

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

PennDOT

MPMS# 93586 *Downingtown Train Station Rehabilitation*

LIMITS No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Downingtown Borough FC: AQ Code:2025M

PLAN CENTER: Town Center IPD: 3

PROJECT MANAGER: CMP:
 PennDOT Class: PennDOT Improvement: NHPP:

A new Downingtown Station will be constructed at a location that is less than half a mile east of the existing station on State Route 322/ Brandywine Avenue on a section of tangent track in Downingtown Borough, as a result of the Alternative Analysis conducted by PennDOT with Amtrak, SEPTA, and local communities in 2013. The proposed new station will continue to serve Amtrak and SEPTA train service, will be ADA accessible, and will provide 500 foot long high level boarding platforms, approximately 850–950 parking spaces, bicycle and pedestrian access, site lighting and security. The existing station is an enclosed shelter with a low level platform, has 360 parking spaces, and is not ADA accessible. The details of the site configuration will continue to develop as PennDOT works towards the goal of creating a Transit Oriented Development (TOD) with a developer to be determined.

The Downingtown Station is a component of the Keystone Corridor rail service between Philadelphia and Harrisburg. Sharing some of the operating characteristics of the Northeast Corridor (NEC) main line, the Amtrak-owned and operated Philadelphia-Harrisburg segment (104 miles) is a mature passenger corridor, with frequent intercity trains (14 Amtrak round trips per average workday, which operate on the NEC beyond Philadelphia to New York from Harrisburg) and SEPTA commuter trains for part of the route between Downingtown and Philadelphia. There are 22 Amtrak stops and 42 SEPTA stops per weekday at the Downingtown Station. Amtrak ridership numbers for the station are 61,435 riders (FY14-15). This line has multiple tracks, full electrification, and grade separation from the highway grid.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
ROW	5307	2,200													
ROW	341	550													
UTL	5307		1,200												
UTL	341		300												
CON	5337			26,000											
CON	5307			18,000											
CON	341			6,500											
CON	341			4,500											
		2,750	1,500	55,000	0	0	0	0	0	0	0	0	0		
		Total FY2017-2020			59,250	Total FY2021-2024				0	Total FY2025-2028				0

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

PennDOT

MPMS# 108843 *Parkesburg Station Improvements*

New

LIMITS

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Parkesburg Borough

FC:

AQ Code:M8

PLAN CENTER:

IPD:

PROJECT MANAGER: PennDOT BPT

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

This project will complete site evaluation and concept development for the station. The project will also focus on ADA compliance and creating a walkway between the north and south side of Parkesburg Station. Improvements at the station will move the Keystone corridor towards full ADA accessibility and provide an improved environment to foster increased ridership.

The Parkesburg Station located in Chester County is a component of the Keystone Corridor high speed rail service between Philadelphia and Harrisburg. Sharing some of the operating characteristics of the Northeast Corridor (NEC) main line, the Amtrak-owned and operated Philadelphia-Harrisburg segment (104 miles) is a mature passenger corridor, with frequent intercity trains (14 round trips per average workday, most of which operate on the NEC beyond Philadelphia to New York from Harrisburg) and SEPTA commuter trains for part of the route between Downingtown and Philadelphia. There are approximately eight Amtrak stops per day at the Parkesburg Station. This line has multiple tracks, full electrification, and almost complete grade separation from the highway grid.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
PE	5307	2,800													
PE	1516	700													
		3,500	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2017-2020			3,500	Total FY2021-2024				0	Total FY2025-2028				0

Total For PennDOT	2017	2018	2019	2020	2017-2020	2021-2024	2025-2028
	\$6,250	\$1,500	\$55,000	\$0	\$62,750	\$0	\$0

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

Pottstown

MPMS# 59935 *Capital Operating Assistance - Pottstown Area Rapid Transit (PART)*

LIMITS Pottstown Borough No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Pottstown Borough FC: AQ Code:M1

PLAN CENTER: Town Center IPD: 7

PROJECT MANAGER: E. Batdorf CMP: Not SOV Capacity Adding CMP Subcorridor(s): 9A

PennDOT Class: PennDOT Improvement: NHPP:

Pottstown Area Rapid Transit (PART) is a small urban transit system operating five bus routes and ADA paratransit service in the Borough of Pottstown, Upper, Lower, and West Pottsgrove Townships, Limerick Township, and North Coventry Township in both Chester and Montgomery Counties. PART receives an annual apportionment of Federal Section 5307 Funds for operating purposes. PART, by request to FTA, may program apportioned funds for capital purposes.

Pottstown uses the majority of the annual appropriation for operating, and a small portion for equipment purchases and capital projects as required. Section 5340 funds are included with Section 5307 funds.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
OP	5307	800											
OP	1513	1,100											
OP	LOC	80											
OP	5307		850										
OP	1513		1,150										
OP	LOC		80										
OP	5307			850									
OP	1513			1,150									
OP	LOC			80									
OP	5307				850								
OP	1513				1,150								
OP	LOC				80								
OP	5307					870							
OP	1513					1,150							
OP	LOC					80							
		1,980	2,080	2,080	2,080	2,100	0	0	0	0	0	0	0
		Total FY2017-2020			8,220	Total FY2021-2024			2,100	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

Pottstown

MPMS# 95739 *Transportation Capital Improvements*

LIMITS No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Pottstown Borough FC: AQ Code:M10

PLAN CENTER: IPD:

PROJECT MANAGER: E. Batdorf CMP: Not SOV Capacity Adding CMP Subcorridor(s): 9A, 16A

PennDOT Class: PennDOT Improvement: NHPP:

Pottstown Area Rapid Transit plans to implement an Intelligent Transportation System technology project, replace a paratransit van, and begin the replacement of their existing diesel bus fleet with hybrid buses.

Capital projects planned in FY17 - FY21 include:

- FY17: Technology (\$150,000), Paratransit Van (\$110,000)
- FY18: Vehicle and Equipment Purchase: (\$1,555,000)
- FY19: Technology (\$155,000)
- FY20: Technology (\$155,000)
- FY21: Technology (\$155,000)

Technology: Includes but not limited to the acquisition of an IT solution which provides GPS/GIS, predictive arrival, automatic voice annunciation, wireless internet connectivity, real time mapping and monitoring, and a new fare collection upgrade.

Vehicle & Equipment Purchase: Includes but not limited to the replacement of ADA paratransit vans, and/or the replacement of transit buses, as well as informational kiosks, bus shelters, and other amenities.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CAP	PTAF 44	150													
CAP	1517	100													
CAP	LOC	10													
CAP	5307		1,500												
CAP	1517		50												
CAP	LOC		5												
CAP	5307			100											
CAP	1517			50											
CAP	LOC			5											
CAP	5307				100										
CAP	1517				50										
CAP	LOC				5										
CAP	5307					100									
CAP	1517					50									
CAP	LOC					5									
		260	1,555	155	155	155	0	0	0	0	0	0	0		
		Total FY2017-2020			2,125	Total FY2021-2024				155	Total FY2025-2028				0

Total For Pottstown	2017	2018	2019	2020	2017-2020	2021-2024	2025-2028
	\$2,240	\$3,635	\$2,235	\$2,235	\$10,345	\$2,255	\$0

DVRPC FY 2017-2020 TIP for PA

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

MUNICIPALITIES: Radnor Township

FC:

AQ Code:A2

PLAN CENTER:

IPD: 0

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 2C, 7B

PennDOT Class: Air Quality

PennDOT Improvement: Air Quality

NHPP: Y

The Villanova Station project will modernize the station located on the Paoli/Thorndale Regional Rail Line and make it fully ADA accessible. This project will be advanced in phases.

Phase 1 will improve station accessibility and includes the construction of a new, wider pedestrian tunnel with access ramps and stairs, additional parking spaces, stormwater management improvements, new signage, lighting, and passenger amenities. The total budget for Phase 1 is \$20.15 million. SEPTA will use prior year funds and funds programmed FY 2017-2019 to advance Phase 1.

Phase 2 will make the station fully ADA accessible and includes full length high-level platforms, new canopies, station building improvements, passenger shelters and passenger amenities. The total budget for Phase 2 is \$10.45 million, which is programmed in FY 2019-2021.

The total project cost is \$30.6 million. Funding is programmed as follows: Prior year funds in the amount of \$7.81 million and \$22.79 million in FY 2017-2021.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
ERC	1514	2,422												
ERC	LOC	81												
ERC	1514		5,133											
ERC	LOC		171											
ERC	1514			4,950										
ERC	LOC			165										
ERC	1514				5,763									
ERC	LOC				192									
ERC	1514					3,786								
ERC	LOC					126								
		2,503	5,304	5,115	5,955	3,912	0	0	0	0	0	0	0	
		Total FY2017-2020			18,877	Total FY2021-2024				3,912	Total FY2025-2028			0

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Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 59966 *Capital Asset Lease Program*

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

FC:

AQ Code:M1

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

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, warehouse facilities, 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CAL	5337	35,802											
CAL	1514	9,873											
CAL	LOC	329											
CAL	5337		5,557										
CAL	5307		30,931										
CAL	1514		10,063										
CAL	LOC		335										
CAL	5337			42,400									
CAL	1514			11,518									
CAL	LOC			384									
CAL	5337				43,200								
CAL	1514				11,744								
CAL	LOC				391								
CAL	5337					44,064							
CAL	1514					11,987							
CAL	LOC					399							
CAL	5337						44,945						
CAL	1514						12,229						
CAL	LOC						408						
CAL	5337							45,844					
CAL	1514							12,476					
CAL	LOC							416					
CAL	5337								46,761				
CAL	1514								12,729				
CAL	LOC								424				
CAL	5337									47,696			
CAL	1514									12,989			
CAL	LOC									433			
CAL	5337										48,650		
CAL	1514										13,267		
CAL	LOC										442		
CAL	5337											49,623	
CAL	1514											13,554	
CAL	LOC											452	
CAL	5337												50,616
CAL	1514												13,833
CAL	LOC												461

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Pennsylvania - Transit Program (Status: TIP)

SEPTA

46,004	46,886	54,302	55,335	56,450	57,582	58,736	59,914	61,118	62,359	63,629	64,910
Total FY2017-2020		202,527		Total FY2021-2024		232,682		Total FY2025-2028		252,016	

MPMS# 59973 Utility Fleet Renewal Program - Non Revenue Vehicles

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

FC:

AQ Code:M2

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

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. These vehicles include automobiles for transit supervisors and operations support personnel; utility vehicles for the maintenance of operating facilities; and service vehicles and equipment for use in garages, shops, and operations support functions. 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 on the vehicle's age, condition and usage within the Authority.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PUR	1514	9,677											
PUR	LOC	323											
PUR	1514		9,677										
PUR	LOC		323										
PUR	1514			9,677									
PUR	LOC			323									
PUR	1514				5,806								
PUR	LOC				194								
PUR	1514					5,806							
PUR	LOC					194							
PUR	1514						5,806						
PUR	LOC						194						
PUR	1514							5,806					
PUR	LOC							194					
PUR	1514								5,806				
PUR	LOC								194				
PUR	1514									5,806			
PUR	LOC									194			
PUR	1514										5,806		
PUR	LOC										194		
PUR	1514											5,806	
PUR	LOC											194	
		10,000	10,000	10,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000	6,000
		Total FY2017-2020		36,000		Total FY2021-2024		24,000		Total FY2025-2028		24,000	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60275 *Debt Service*

LIMITS System-wide No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various FC: AQ Code:M1

PLAN CENTER: IPD:

PROJECT MANAGER: CMP: Not SOV Capacity Adding

PennDOT Class: PennDOT Improvement: NHPP:

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 converted Indexed Rate Revenue Refunding Bonds, Series 2007. These bonds were used to refund the Special Revenue Bonds, Series 1997, which provided funds for the buyout of leases on Bombardier Rail Cars, General Motors Locomotives and Frazer Rail Car Maintenance Shop and for other capital improvement projects, including the Market-Frankford Subway Elevated car acquisition, Broad Street Subway Line cable replacement, Frazer Yard interlocking construction and Market-Frankford Subway Elevated Line infrastructure improvements.
- Payments on Fixed Rate Revenue Bonds, Series 2010. These 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.
- Payments on Capital Grant Receipts Bonds, Series FY 2011. These bonds are being used for the procurement of 120 new railcars (Silverliner V's) and the rehabilitation of the Wayne Junction Intermodal Facility.
- Payments on future bonds. SEPTA anticipates issuing municipal bonds in the second four years of the TIP (FY 2021-FY 2024). Repayment of these bonds is expected to begin in FY 2023.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
DS	5337	13,656											
DS	PTAF 44	32,886											
DS	1514	3,905											
DS	LOC	1,264											
DS	5337		13,256										
DS	PTAF 44		32,799										
DS	1514		3,797										
DS	LOC		1,258										
DS	5337			13,656									
DS	PTAF 44			32,760									
DS	1514			5,839									
DS	LOC			1,324									
DS	5337				13,656								
DS	PTAF 44				25,356								
DS	1514				7,175								
DS	LOC				1,113								
DS	5337					13,656							
DS	PTAF 44					25,269							
DS	1514					9,110							
DS	LOC					1,175							
DS	5337						13,656						
DS	PTAF 44						12,934						
DS	1514						9,110						
DS	LOC						750						
DS	5337							13,656					
DS	PTAF 44							12,934					
DS	1514							25,562					
DS	LOC							1,298					

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60317 Federal Preventive Maintenance

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

FC:

AQ Code:M1

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
OP	5337	16,305											
OP	5307	19,895											
OP	LOC	9,050											
OP	5337		36,200										
OP	LOC		9,050										
OP	5307			6,255									
OP	5337			29,945									
OP	LOC			9,050									
OP	5307				36,200								
OP	LOC				9,050								
OP	5307					36,200							
OP	LOC					9,050							
OP	5307						36,200						
OP	LOC						9,050						
OP	5337							19,799					
OP	5307							16,401					
OP	LOC							9,050					
OP	5307								24,200				
OP	5337								12,000				
OP	LOC								9,050				
OP	5307									28,200			
OP	5337									8,000			
OP	LOC									9,050			
OP	5307										36,200		
OP	LOC										9,050		
OP	5307											36,200	
OP	LOC											9,050	
OP	5307												9,095
OP	5337												27,105
OP	LOC												9,050
		45,250	45,250	45,250	45,250	45,250	45,250	45,250	45,250	45,250	45,250	45,250	45,250
		Total FY2017-2020		181,000		Total FY2021-2024		181,000		Total FY2025-2028		181,000	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60335 *City Hall / 15th Street Stations*

LIMITS City Hall / 15th Street Station in Philadelphia

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Center City Philadelphia

FC:

AQ Code:M8

PLAN CENTER: Metropolitan Center

IPD: 5

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 10A, 14A

PennDOT Class:

PennDOT Improvement:

NHPP:

This project will rehabilitate City Hall Station on the Broad Street Line and 15th Street Station on the Market-Frankford Line. The improvements to be completed include the installation of new elevators and ramps to all levels of both stations, wider ramped corridors connecting the stations, and accessible fare line gates. The station interiors will be updated with new architectural finishes, signs, Art-in-Transit, seating and other amenities, lighting, public address systems, and closed-circuit TV. Structural repairs and upgrades will be completed to improve mechanical and natural ventilation, and prevent / intercept water infiltration and inflow. The 15th Street / City Hall Stations project has been divided into the following phases: Dilworth Park Phase (complete), 15th Street Station Phase, Inter-Station Connections and City Hall Station Structural Work Phase, and the City Hall Station Phase.

The total project cost is \$146.47 million. Funding is programmed as follows: Prior year funds in the amount of \$29.63 million and \$116.84 million in FY 2017-2021.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514	6,835											
ERC	LOC	228											
ERC	1514		4,839										
ERC	LOC		161										
ERC	OTH		15,538										
ERC	1514			16,904									
ERC	LOC			563									
ERC	OTH			17,467									
ERC	1514				40,848								
ERC	LOC				1,361								
ERC	1514					11,701							
ERC	LOC					390							
		7,063	20,538	34,934	42,209	12,091	0	0	0	0	0	0	0
		Total FY2017-2020		104,744		Total FY2021-2024		12,091		Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60540 *Parking Improvements*

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

FC:

AQ Code:2035M

PLAN CENTER: Town Center

IPD: 5

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

This program will provide for the construction, renovation and expansion of SEPTA's parking facilities. Currently programmed projects include:

- 69th Street Transportation Center Parking Garage - \$31.01 million (Prior Years-FY 2019)
- Conshohocken Station & Parking - \$30 million (FY 2017-2020)
- Fern Rock Transportation Center Complex - \$77.5 million (FY 2022-Future Years)
- Gwynedd Valley Station Parking - \$2.54 million (Prior Years-FY 2017)
- Noble Station Parking Garage and Storage Track - \$53 million (Prior Years-FY 2018 & FY 2021-2025)
- Philmont Station Parking - \$3 million (FY 2022-2023)

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514	2,180											
ERC	LOC	73											
ERC	1514		2,431										
ERC	LOC		81										
ERC	1514			11,124									
ERC	LOC			371									
ERC	1514				11,129								
ERC	LOC				371								
ERC	1514					12,474							
ERC	LOC					416							
ERC	1514						13,985						
ERC	LOC						466						
ERC	1514							12,552					
ERC	LOC							418					
ERC	1514								11,807				
ERC	LOC								393				
ERC	1514									11,371			
ERC	LOC									379			
ERC	1514										11,371		
ERC	LOC										379		
ERC	1514											11,371	
ERC	LOC											379	
ERC	1514												12,348
ERC	LOC												412
		2,253	2,512	11,495	11,500	12,890	14,451	12,970	12,200	11,750	11,750	11,750	12,760
		Total FY2017-2020		27,760		Total FY2021-2024		52,511		Total FY2025-2028		48,010	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60574 Paoli Transportation Center

LIMITS Paoli Transportation Center in Chester County

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Tredyffrin Township

FC:

AQ Code:2035M

PLAN CENTER: Town Center

IPD: 3

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

This project provides for the engineering and construction of a new multi-modal transportation center in Paoli, Chester County. The new facility will be located on the Paoli/Thorndale Regional Rail Line at the approximate location of the existing station. The project will be advanced in two phases.

Phase 1 will make the existing station ADA accessible. This phase includes construction of a pedestrian overpass with a total of three elevators linking inbound and outbound station parking lots as well as a new full length high-level center platform. The outbound parking areas will be reconfigured and pedestrian linkages, such as sidewalks and crosswalks, will be provided throughout the station area. The total budget for Phase 1 is \$36 million. SEPTA, Amtrak and PennDOT are all contributing to the cost of Phase 1 construction. SEPTA's portion of Phase 1 construction is \$12 million, which is being supported by prior year funds and funds programmed in FY 2017 and FY 2018.

Phase 2 includes an intermodal station complex complete with an additional high-level platform on the outbound side, passenger amenities, enhanced bus facilities and a 600-plus space commuter parking garage. The total budget for Phase 2 is \$51.2 million, which is programmed in FY 2023-2025. Advancement of the Darby Road Bridge improvements is a necessary requirement for Phase 2 construction.

Complementing this project is MPMS #47979 Paoli Transportation Center Road Improvements / Darby Road Bridge, which will replace the North Valley Road (SR 1005) over Amtrak / SEPTA (BMS# 15-1005-0080-1331 adjacent to the Paoli Train Station) with a new bridge across from the intersection of Lancaster Avenue and Darby Road.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514	2,903											
ERC	LOC	97											
ERC	1514		3,387										
ERC	LOC		113										
ERC	1514						13,065						
ERC	LOC						435						
ERC	1514								18,871				
ERC	LOC								629				
ERC	1514									17,613			
ERC	LOC									587			
		3,000	3,500	0	0	0	0	13,500	19,500	18,200	0	0	0
		Total FY2017-2020		6,500		Total FY2021-2024			33,000		Total FY2025-2028		18,200

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60582 Vehicle Overhaul Program

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

FC:

AQ Code:M3

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

SEPTA's Vehicle Overhaul Program (VOH) provides for the systematic replacement or upgrade of systems on SEPTA's rolling stock. Vehicles are scheduled for overhauls during their service lives based on vehicle type. A vehicle must receive periodic overhauls if it is 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 preventive maintenance allows SEPTA to purchase material and produce rebuilt components in an efficient and effective manner. In addition to vehicle overhauls, this program also provides for vehicle campaigns. Campaigns address both critical items and vehicle equipment upgrades and modifications, which are accomplished on a fleet-wide basis. The Vehicle Overhaul Program will allow SEPTA to continue its overhaul of rolling stock, thus ensuring continued safe and reliable service.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CAP	5337	22,140											
CAP	5307	37,726											
CAP	1514	14,646											
CAP	LOC	488											
CAP	5307		29,123										
CAP	5337		31,741										
CAP	1514		14,725										
CAP	LOC		491										
CAP	5307			24,800									
CAP	5337			36,000									
CAP	1514			14,710									
CAP	LOC			490									
CAP	5307				24,390								
CAP	5337				37,210								
CAP	1514				14,903								
CAP	LOC				497								
CAP	5307					36,121							
CAP	5337					26,279							
CAP	1514					15,097							
CAP	LOC					503							
CAP	5307						36,121						
CAP	5337						21,399						
CAP	1514						20,787						
CAP	LOC						693						
CAP	5337							38,400					
CAP	5307							25,600					
CAP	1514							15,484					
CAP	LOC							516					
CAP	5307								25,118				
CAP	5337								39,682				
CAP	1514								15,678				
CAP	LOC								522				
CAP	5307									28,853			
CAP	5337									36,747			
CAP	1514									15,871			
CAP	LOC									529			

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

CAP	5307									26,605			
CAP	5337									39,795			
CAP	1514									16,065			
CAP	LOC									535			
CAP	5307										28,378		
CAP	5337										38,822		
CAP	1514										16,258		
CAP	LOC										542		
CAP	5307											63,226	
CAP	5337											4,774	
CAP	1514											16,452	
CAP	LOC											548	
		75,000	76,080	76,000	77,000	78,000	79,000	80,000	81,000	82,000	83,000	84,000	85,000
		Total FY2017-2020		304,080	Total FY2021-2024				318,000	Total FY2025-2028		334,000	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60599 *Paratransit Vehicle Purchase*

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

FC:

AQ Code:M10

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

This project provides for the acquisition of revenue vehicles for SEPTA's Paratransit and Shared Ride operations, known as Customized Community Transportation (CCT). The vehicles acquired will replace existing vehicles that have exceeded their useful life. The revenue vehicles will be owned by SEPTA and will be used by contracted carriers to service these operations.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PUR	5307	5,600											
PUR	1514	1,355											
PUR	LOC	45											
PUR	5307		2,400										
PUR	1514		581										
PUR	LOC		19										
PUR	5307			5,600									
PUR	1514			1,355									
PUR	LOC			45									
PUR	5307				5,600								
PUR	1514				1,355								
PUR	LOC				45								
PUR	5307					5,600							
PUR	1514					1,355							
PUR	LOC					45							
PUR	5307						5,600						
PUR	1514						1,355						
PUR	LOC						45						
PUR	5307							5,600					
PUR	1514							1,355					
PUR	LOC							45					
PUR	5307								5,600				
PUR	1514								1,355				
PUR	LOC								45				
PUR	5307									5,600			
PUR	1514									1,355			
PUR	LOC									45			
PUR	5307										5,600		
PUR	1514										1,355		
PUR	LOC										45		
PUR	5307											5,600	
PUR	1514											1,355	
PUR	LOC											45	
PUR	5307												5,600
PUR	1514												1,355
PUR	LOC												45
		7,000	3,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000	7,000
		Total FY2017-2020		24,000		Total FY2021-2024		28,000		Total FY2025-2028		28,000	

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

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

LIMITS System-wide No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various **FC:** AQ Code:M5

PLAN CENTER: IPD:

PROJECT MANAGER: **CMP:** Not SOV Capacity Adding

PennDOT Class: **PennDOT Improvement:** **NHPP:**

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.

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.

Phase 1 of the project included the complete design, partial deployment and testing of the data network and the SEPTA Key system. Phase 2 includes the installation of the system on Rail Transit, Trolley and Bus fleets. In the last phase of the project, Regional Rail, Parking Operations, and Customized Community Transportation (CCT) will transition to the SEPTA Key.

Companion projects supporting the SEPTA Key project and incorporated in the total project budget include: bus and trolley farebox upgrade; Market-Frankford Line and Broad Street Line fiber optics improvements; electrical support for new fare lines at five downtown Railroad stations (Temple University, Jefferson, Suburban Station, 30th Street Station and University City); 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.

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

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

The total project cost is \$267.90 million. Funding is programmed as follows: Prior year funds in the amount of \$69.99 million and \$197.91 million in FY 2017-2019.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CAP	5307	30,000											
CAP	5337	30,000											
CAP	1514	16,597											
CAP	LOC	554											
CAP	5337		49,674										
CAP	5307												
CAP	1514		18,467										
CAP	LOC		616										
CAP	5307			38,788									
CAP	1514			12,786									
CAP	LOC			426									
		77,151	68,757	52,000	0	0	0	0	0	0	0	0	0
		Total FY2017-2020	197,908			Total FY2021-2024	0			Total FY2025-2028	0		

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60636 *Elwyn to Wawa Rail Restoration*

LIMITS Elwyn to Wawa, Delaware County

No Let Date

IMPROVEMENT Transit Improvements

MRPID:P

MUNICIPALITIES: Middletown Township

FC:

AQ Code:2025M

PLAN CENTER:

IPD: 3

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 5B

PennDOT Class:

PennDOT Improvement:

NHPP:

This project will provide for a three mile restoration of rail service from the existing Media/Elwyn Regional Rail Line terminus at Elwyn, Delaware County, to a new terminus in Wawa, Delaware County along the existing railroad line, 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 rehabilitation; a bi-directional signal system with automated train controls and positive train control; communications system improvements; the replacement of three bridges; and the rehabilitation of one bridge and three culverts.

The new terminus at Wawa 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; and a 600+ car parking deck. The new facility will be fully ADA compliant. A new traffic intersection and access road connecting U.S Route 1, a major highway artery in the area, to the station will be constructed. Additional project elements include the construction of a railcar storage/maintenance yard and crew facility on SEPTA property in Lenni, Delaware County.

The total project cost is \$150.6 million. Funding is programmed as follows: Prior year funds in the amount of \$12.64 million and \$137.96 million in FY 2017-2021.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514	1,359											
ERC	LOC	45											
ERC	1514		6,323										
ERC	LOC		211										
ERC	OTH		30,462										
ERC	1514			22,708									
ERC	LOC			757									
ERC	OTH			12,533									
ERC	1514				30,984								
ERC	LOC				1,033								
ERC	OTH				15,000								
ERC	1514					16,010							
ERC	LOC					534							
		1,404	36,996	35,998	47,017	16,544	0	0	0	0	0	0	0
		Total FY2017-2020		121,415		Total FY2021-2024		16,544		Total FY2025-2028		0	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60638 *Regional Rail Car, Locomotive, and Trolley Acquisition*

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

FC:

AQ Code:M10

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

This program provides for the replacement and addition of rail cars, locomotives, and trolleys. It will replace vehicles and equipment that have exceeded their useful life, and provide for fleet expansion to meet present and projected increases in ridership. Planned procurements include:

Electric Locomotives - \$162 million (Prior Years-FY 2019)

This project provides for the acquisition of new electric locomotives. The acquisition of new locomotives will allow SEPTA to retire its current, life-expired locomotives and accommodate the planned acquisition of new multi-level push-pull railcars to address growing ridership. A contract was awarded in July 2015 for thirteen ACS-64 locomotives with an option for up to an additional five. The locomotives are expected to be delivered in calendar year 2018.

Multi-Level Regional Rail Cars and Coaches - \$194.63 million (Prior Years-FY 2023)

This project provides for the acquisition of 45 new multi-level push-pull passenger railcars. These cars are required to accommodate growing ridership and increased service capacity needs on SEPTA's Regional Rail system. These cars are additions to SEPTA's current fleet of 45 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 wider aisles, 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 announcement and corresponding video screen display 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. The railcars are expected to be delivered in calendar years 2019 and 2020.

Trolley Acquisition and Infrastructure - \$713.25 million (Prior Years-FY 2028)

This project provides for the modernization of SEPTA's Trolley service through the acquisition of new articulated trolleys, and associated planning and infrastructure improvements to accommodate these new vehicles. The goals of the project are to provide a system in full compliance with the ADA; ensure a safer and more reliable transit service; control vehicle acquisition costs by providing faster, higher capacity service; and reduce operating costs through fleet right-sizing. The new trolleys will operate on City Transit Routes 10, 11, 13, 15, 34, 36 and Suburban Transit Routes 101 & 102. In addition to the acquisition and infrastructure improvements, the planning process will also evaluate the feasibility of trolley service restoration on Routes 23 and 56. The trolleys will require a complex and closely interrelated series of infrastructure upgrades in areas such as communications, signals, power supplies, subway station and in-street stop upgrades, track and bridge improvements, fare payment and trolley maintenance.

Regional Rail Cars, Silverliner VI - \$1.1 billion (FY 2024-Future Years)

This project provides for the purchase of new railcars to replace SEPTA's Silverliner IV railcar fleet. The Silverliner IV railcars were built between 1974 and 1976, and by the time of replacement, the cars will be well past their expected useful life. Vehicles acquired will fully comply with ADA requirements and federal and state regulations regarding safety features and systems.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PUR	1514	15,479											
PUR	LOC	516											
PUR	1514		5,174										
PUR	OTH		60,000										
PUR	LOC		172										
PUR	1514			32,544									
PUR	OTH			25,000									
PUR	LOC			1,085									
PUR	5337				30,033								
PUR	1514				15,655								
PUR	LOC				522								
PUR	5337					40,100							
PUR	1514					32,098							
PUR	LOC					1,070							

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

PUR	5337				44,099															
PUR	1514				72,681															
PUR	LOC				2,423															
PUR	5307					30,320														
PUR	5337					6,400														
PUR	1514					79,716														
PUR	LOC					2,657														
PUR	5307								23,003											
PUR	5337								12,000											
PUR	1514								79,072											
PUR	LOC								2,635											
PUR	5307											15,268								
PUR	5337											18,000								
PUR	1514											83,935								
PUR	LOC											2,797								
PUR	5307												9,516							
PUR	5337												22,000							
PUR	1514												90,468							
PUR	LOC												3,015							
PUR	5307													7,743						
PUR	5337													22,000						
PUR	1514													92,000						
PUR	LOC													3,066						
PUR	5337																			27,950
PUR	1514																			102,594
PUR	LOC																			3,419
		15,995	65,346	58,629	46,210	73,268	119,203	119,093	116,710	120,000	124,999	124,809	133,963							
		Total FY2017-2020		186,180		Total FY2021-2024		428,274		Total FY2025-2028		503,771								

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 60651 Substations and Power Improvements

LIMITS System-wide railroad substations No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

FC:

AQ Code:M6

PLAN CENTER:

IPD: 0

PROJECT MANAGER: **CMP:** Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

This program provides for improvements to SEPTA's rail service traction power supply system. Critical components of the power system have far exceeded their useful life and are in need of repair. Program work includes replacing transformers, trolley breakers, feeder switches, substation switchgears, protective relaying, and catenary. Currently programmed substation and power projects include:

Railroad Substations:

- Allen Lane Substation - \$15 million (FY 2025-Future Years)
- Ambler Substation - \$10.88 million (Prior Years-FY 2017)
- Brill Substation Overhaul - \$12.8 million (FY 2025-Future Years)
- Jenkintown Substation - \$34.05 million (Prior Years-FY 2017)
- Morton and Lenni Substations - \$18.14 million (Prior Years-FY 2017)
- Wayne Junction Static Frequency Converters #1-4 - \$55.75 million (Prior Years-FY 2022)

Multi-modal Substation Overhaul Program:

- Substation Design and Equipment Purchase - \$25.77 million (Prior Years-FY 2021)
- Lansdale, Chestnut Hill East, 18th/12th/Portal, Hatboro Construction - \$25.24 million (FY 2018-2022)
- Neshaminy, Bethayres, Yardley Construction - \$24.58 million (FY 2018-2022)
- Market, Ellen, Ranstead Construction - \$18.68 million (FY 2019-2022)
- Broad, Loudon, Castor Construction- \$19.95 million (FY 2018-2022)
- Woodbourne Construction - \$23.49 million (FY 2020-2024)
- Transit Substation Overhaul Program - \$45 million (FY 2027-Future Years)

Power Program:

- 30th Street West Catenary Replacement - \$77 million (Prior Years-FY 2022)
- Airport Line Catenary Replacement - \$1 million (FY 2018-2021)
- Chestnut Hill East Line Catenary Replacement - \$5.5 million (FY 2020-2024)
- Fox Chase Line Catenary Replacement - \$2.75 million (FY 2021-2024)
- Regional Rail Power Feeder Cable Improvements - \$3 million (FY 2025-2028)
- Wayne Junction Yard Catenary Replacement - \$1.25 million (FY 2023-2026)

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514	12,048											
ERC	LOC	6,969											
ERC	1514		7,117										
ERC	OTH		25,000										
ERC	LOC		237										
ERC	1514			14,348									
ERC	LOC			478									
ERC	OTH			15,000									
ERC	5307				11,731								
ERC	1514				12,942								
ERC	LOC				431								
ERC	OTH				10,000								
ERC	1514					34,190							
ERC	LOC					1,139							
ERC	1514						39,933						
ERC	LOC						1,331						
ERC	1514							21,513					
ERC	LOC							717					
ERC	1514								21,286				

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 73214 **Ardmore Transportation Center**

LIMITS Ardmore Transportation Center

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Lower Merion Township

FC:

AQ Code:2035M

PLAN CENTER: Town Center

IPD: 1

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 7B

PennDOT Class:

PennDOT Improvement:

NHPP:

The Ardmore Transportation Center project on the Paoli/Thorndale Regional Rail Line will modernize the station and make it fully ADA accessible. This project will be completed in 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 stairs and ramps; improved lighting; new signage; landscaping and site improvements including storm water management; and preparing the foundation for a future parking garage. Phase 1 costs include design for Phase 1. The total budget for Phase I is \$36.29 million. SEPTA will use prior year funds and funds programmed in FY 2018 to advance Phase 1.

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. The total budget for Phase II is \$26.05 million. SEPTA is programming \$10 million towards Phase 2 construction in FY 2026 and FY 2027. Phase 2 will be advanced upon identification of funding partners and alternate funding sources.

The total project cost is \$62.34 million. Funding is programmed as follows: Prior year funds in the amount of \$28.99 million (\$18.9 million Federal / \$5.4 million State Department of Transportation / \$3.5 million State Redevelopment Assistance Capital Program (RCAP) / \$1.2 million local), \$7.3 million in FY 2018, and \$10 million in FY 2026 and FY 2027. An additional \$16.05 million will be programmed when funding sources are identified.

		TIP Program Years (\$ 000)															
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028				
ERC	5337		10,133														
ERC	1514		2,452														
ERC	LOC		82														
ERC	1514									6,890							
ERC	LOC									230							
ERC	1514											2,787					
ERC	LOC											93					
		0	12,667	0	0	0	0	0	0	0	7,120	2,880	0				
		Total FY2017-2020		12,667		Total FY2021-2024				0				Total FY2025-2028		10,000	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 77183 *Transit and Regional Rail Station Program*

LIMITS System-wide stations No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various **FC:** AQ Code:M8

PLAN CENTER: IPD: 3

PROJECT MANAGER: **CMP:** Not SOV Capacity Adding

PennDOT Class: **PennDOT Improvement:** **NHPP:**

This program provides for the construction, reconstruction, or rehabilitation of transit and regional rail stations and terminals, bus and trolley loop facilities, transportation centers, bicycle facilities, and parking expansions and improvements. All improvements will fully comply with the Americans with Disabilities Act of 1990.

Currently programmed projects include:

Railroad Stations

- Bicycle Transit Access Program - \$2.5 million (Prior Years-FY 2020)
- Devon Station - \$20 million (FY 2026-2028)
- East Falls Station - \$19.5 million (FY 2022-2026)
- Hatboro Station - \$7.15 million (FY 2024-2028)
- Jenkintown-Wyncote Station High Level Platforms - \$25.32 million (Prior Years-FY 2021)
- Lawndale Station - \$11.5 million (FY 2024-2027)
- Marcus Hook Station - \$22.5 million (FY 2025-Future Years)
- Roslyn Station - \$6.5 million (FY 2024-2028)
- Secane Station - \$21.15 million (Prior Years-FY 2018)
- Suburban Station Passenger and Crew Amenities - \$4.17 million (FY 2017)
- Swarthmore Station Roof and Canopy - \$.81 million (Prior Years-FY 2017)
- Willow Grove Station - \$6.5 million (FY 2021-2025)
- Wyndmoor Station Canopy and Roof Replacement - \$1.54 million (Prior Years-FY 2017)
- Wyndmoor Station - \$19.5 million (FY 2025-Future Years)
- Wynnewood Station - \$19.5 million (FY 2026-Future Years)
- Yardley Station - \$5.5 million (Prior Years-FY 2018)

Transit Stations

- 5th Street Station - \$13 million (Prior Years-FY 2020)
- 11th Street Station - \$9.5 million (FY 2020-2023)
- 40th Street Station - \$10.92 million (Prior Years-FY 2018)
- Arrott Transportation Center (Margaret-Orthodox Station) - \$38.46 million (Prior Years-FY 2019)
- Center City Concourses Improvements - \$59.65 million (Prior Years-FY 2021)
- Elevator/Escalator Program - \$22.78 million (FY 2022-2028)
- Erie Station on the Broad Street Line - \$9 million (FY 2022-2024)
- Fairmount Station - \$18 million (FY 2026-Future Years)
- Hunting Park Station - \$5.5 million (FY 2024-2028)
- South Broad Street Line Station - \$7 million (FY 2020-2024)
- Susquehanna-Dauphin Station on the Broad Street Line - \$14.9 million (FY 2017-2019)
- Villanova Station on the Norristown High Speed Line - \$6 million (FY 2018-2020)
- Wyoming Station on the Broad Street Line - \$5 million (FY 2025-2028)

Bus and Trolley Loop Program

- Bethlehem Pike - \$1.75 million (FY 2022-2023)
- City Avenue - \$5.28 million (FY 2017-2018)
- Ridge and Summit - \$1.75 million (FY 2023-2024)
- Rising Sun and Olney - \$1.75 million (FY 2024-2025)
- Wissahickon Transportation Center - \$14.25 million (FY 2017-2022)
- Westmoreland - \$1.75 million (FY 2019-2021)
- Wycombe - \$2 million (FY 2026-2027)

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	5339	4,000											
ERC	1514	4,597											
ERC	1514	15,223											

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

ERC	LOC	153											
ERC	LOC	507											
ERC	1514	19,171											
ERC	LOC	638											
ERC	1514	12,499											
ERC	LOC	417											
ERC	1514	15,015											
ERC	LOC	500											
ERC	1514	14,079											
ERC	LOC	469											
ERC	1514	20,491											
ERC	LOC	683											
ERC	1514	19,737											
ERC	LOC	658											
ERC	1514	19,552											
ERC	LOC	652											
ERC	1514	18,105											
ERC	LOC	603											
ERC	1514	23,345											
ERC	LOC	778											
ERC	1514	25,944											
ERC	LOC	865											
ERC	1514	28,192											
ERC	LOC	939											
		24,480	19,809	12,916	15,515	14,548	21,174	20,395	20,204	18,708	24,123	26,809	29,131
		Total FY2017-2020	72,720			Total FY2021-2024	76,321			Total FY2025-2028	98,771		

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 90497 Infrastructure Safety and Renewal Program

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES:

FC:

AQ Code:M9

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

The annual Infrastructure Safety Renewal Program (ISRP) provides for the restoration of SEPTA's 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; fencing; 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; escalators; elevators; parking; and accessibility improvements.
- Signals and Communications 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, sprinkler systems, tunnel lighting, duct banks, vehicle servicing equipment, bridges and other support functions.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514	42,097											
ERC	LOC	1,403											
ERC	1514		43,065										
ERC	LOC		1,435										
ERC	1514			44,033									
ERC	LOC			1,467									
ERC	1514				45,000								
ERC	LOC				1,500								
ERC	1514					45,968							
ERC	LOC					1,532							
ERC	1514						46,936						
ERC	LOC						1,564						
ERC	1514							47,904					
ERC	LOC							1,596					
ERC	1514								48,871				
ERC	LOC								1,629				
ERC	1514									49,839			
ERC	LOC									1,661			
ERC	1514										50,807		
ERC	LOC										1,693		
ERC	1514											51,775	
ERC	LOC											1,725	
ERC	1514												52,742
ERC	LOC												1,758
		43,500	44,500	45,500	46,500	47,500	48,500	49,500	50,500	51,500	52,500	53,500	54,500
		Total FY2017-2020	180,000		Total FY2021-2024		196,000		Total FY2025-2028		212,000		

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 90512 SEPTA Bus Purchase Program

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES:

FC:

AQ Code:M10

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

SEPTA's Bus Fleet Management Plan provides for the annual acquisition of different size buses based upon needs and route characteristics including vehicles that have exceeded their useful life and are in need of replacement. The current bus fleet consists of a variety of buses ranging from 60-Foot articulated and 40-Foot buses for City Transit and Suburban service routes to 27-Foot and 30-Foot buses for contracted service routes.

The Bus Purchase Program provides the following benefits: 1) Dependable and improved service for our customers, 2) Systematic replacement of aging components of the fleet, 3) Maintaining an average bus fleet age of approximately six years and 4) Introduction of new technology to the fleet.

Each new bus will have a public address system that will enable the operator to clearly communicate with passengers inside and outside the vehicle. For the hearing and visually impaired, an audio/visual annunciating system will be installed, which will automatically announce upcoming bus stops and informational messages. All buses will be low-floor and equipped for wheelchairs to address accessibility needs. Additional features include an on-board video surveillance system and a bicycle rack.

In FY 2017 through 2020, SEPTA will purchase five hundred twenty-five (525) 40-Foot buses to replace SEPTA's existing 2000-2004 NABI 40-Foot buses, which will have exceeded their useful service life of 12 years by the time of replacement.

Funding for this program is also provided from MPMS #65109, FHWA Transit Flex to SEPTA.

State Bond 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PUR	5339	7,259											
PUR	5307	9,106											
PUR	1514	27,645											
PUR	LOC	922											
PUR	5307		40,773										
PUR	5339		9,943										
PUR	1514		16,405										
PUR	LOC		547										
PUR	5307			31,268									
PUR	5339			7,649									
PUR	1514			13,549									
PUR	LOC			452									
PUR	5307				31,065								
PUR	5339				7,852								
PUR	1514				13,549								
PUR	LOC				452								
PUR	5307					31,065							
PUR	5339					7,852							
PUR	1514					13,549							
PUR	LOC					452							
PUR	5307						31,065						
PUR	5339						7,852						
PUR	1514						13,549						
PUR	LOC						452						
PUR	5339							7,852					
PUR	5307								31,065				

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

PUR	1514					13,549							
PUR	LOC					452							
PUR	5307							31,065					
PUR	5339							7,852					
PUR	1514							13,549					
PUR	LOC							452					
PUR	5307								31,065				
PUR	5339								7,852				
PUR	1514								13,549				
PUR	LOC								452				
PUR	5307									31,065			
PUR	5339									7,852			
PUR	1514									13,549			
PUR	LOC									452			
PUR	5307										31,065		
PUR	5339										7,852		
PUR	1514										13,549		
PUR	LOC										452		
PUR	5307											31,065	
PUR	5339											7,852	
PUR	1514											13,549	
PUR	LOC											452	
		44,932	67,668	52,918	52,918	52,918	52,918	52,918	52,918	52,918	52,918	52,918	52,918
		Total FY2017-2020	218,436			Total FY2021-2024	211,672			Total FY2025-2028	211,672		

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 93588 *Exton Station*

LIMITS Exton Station in Chester County

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: West Whiteland Township

FC:

AQ Code:2035M

PLAN CENTER:

IPD: 1

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 7E

PennDOT Class:

PennDOT Improvement:

NHPP:

The Exton Station Improvement project will modernize the station located on the Paoli/Thorndale Regional Rail Line. This project will be advanced in phases.

Phase 1 encompasses the construction of high-level platforms with canopies and wind screens, stormwater management improvements, and a new station building. The station facilities will be fully ADA compliant. New lighting, signage, security features, and passenger amenities will also be provided. The total budget for Phase 1 is \$23.44 million. SEPTA will use prior year funds and funds programmed in FY 2018 to advance Phase 1.

Phase 2 comprises the construction of bus circulation loops with bus shelters. The planned bus circulator loops will promote intermodal access to the station. Phase 3 includes the development and construction of a fully accessible, multi-level parking garage with pathways to the station platforms. The Phase 2 and 3 budget is \$39.5 million. SEPTA will use funds programmed in FY 2020 to FY 2024 to advance Phase 2 and 3.

The total project cost is \$62.94 million. Funding is programmed as follows: Prior year funds in the amount of \$14.94 million, \$8.5 million in FY 2018 and FY \$39.5 million FY 2020-2024.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514		8,226										
ERC	LOC		274										
ERC	1514				2,419								
ERC	LOC				81								
ERC	1514					13,065							
ERC	LOC					435							
ERC	1514						11,613						
ERC	LOC						387						
ERC	1514							6,774					
ERC	LOC							226					
ERC	1514								4,355				
ERC	LOC								145				
		0	8,500	0	2,500	13,500	12,000	7,000	4,500	0	0	0	0
		Total FY2017-2020		11,000		Total FY2021-2024		37,000		Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 95402 *Bridge Program*

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES:

FC:

AQ Code:M9

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

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 million (FY 2022-Future Years)
- Chestnut Hill West Regional Rail Line, 7 Bridges (Philadelphia) - \$35 million (FY 2023-Future Years)
- Crum Creek Viaduct Replacement (Delaware County) - \$89.86 million (Prior Years-2018)
- Mainline-Schuylkill Bridges (Philadelphia) - \$56 million (FY 2022-2028)
- Media/Elwyn Line Viaducts, 3 Bridges (Delaware County) - \$35 million (Prior Years-2017)
- Norristown High Speed Line Bridge 0.15 (Delaware County) - \$15.5 million (Prior Years-2020)
- Norristown High Speed Line Bridge 12.81 (Montgomery County) - \$30.5 million (FY 2021-2025)
- Stone Arch Bridges Phase 2 (Multiple Locations) - \$10 million (FY 2017-2021)

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514	29,514											
ERC	LOC	984											
ERC	1514		37,496										
ERC	LOC		1,249										
ERC	1514			18,003									
ERC	LOC			600									
ERC	1514				15,004								
ERC	LOC				500								
ERC	1514					15,290							
ERC	LOC					510							
ERC	1514						18,301						
ERC	LOC						609						
ERC	1514							15,460					
ERC	LOC							515					
ERC	1514								15,697				
ERC	LOC								523				
ERC	1514									15,857			
ERC	LOC									528			
ERC	1514										14,516		
ERC	LOC										484		
ERC	1514											14,516	
ERC	LOC											484	
ERC	1514												14,511
ERC	LOC												484
		30,498	38,745	18,603	15,504	15,800	18,910	15,975	16,220	16,385	15,000	15,000	14,995
		Total FY2017-2020		103,350		Total FY2021-2024		66,905		Total FY2025-2028		61,380	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 102565 *Track Improvement Program*

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MRPID:AY

MUNICIPALITIES:

FC:

AQ Code:M9

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

This program will provide for improvements to SEPTA's track and right-of-way. Projects will return rail infrastructure to a state of good repair and help preserve rail transit service for current and future customers. This program will renew and replace street track and special work, continuous welded rail (CWR), ties, and timbers. Currently programmed projects include:

- Bridge Street Yard - \$3 million (FY 2020-2021)
- Norristown Regional Rail Line 3rd Track - \$34.5 million (FY 2026-Future Years)
- Norristown High Speed Line (NHSL) Tie Replacement and Continuous Welded Rail - \$26 million (Prior Years-FY 2023)
- Route 10, 11, 13 and 36 Track Improvements - \$10 million (FY 2022-2024)
- Route 101/102 Yard Tracks Program - \$5.69 million (FY 2018-2020)
- Trolley Diversion Routes and Revenue/Non-Revenue Tracks Improvements - \$27.25 million (FY 2024-2028)

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CAP	1514	3,668											
CAP	LOC	123											
CAP	1514		4,011										
CAP	LOC		134										
CAP	1514			4,063									
CAP	LOC			134									
CAP	1514				4,550								
CAP	LOC				151								
CAP	1514					4,452							
CAP	LOC					149							
CAP	1514						4,646						
CAP	LOC						155						
CAP	1514							4,753					
CAP	LOC							161					
CAP	1514								4,552				
CAP	LOC								153				
CAP	1514									4,592			
CAP	LOC									155			
CAP	1514										4,598		
CAP	LOC										153		
CAP	1514											4,596	
CAP	LOC											155	
CAP	1514												4,598
CAP	LOC												153
		3,791	4,145	4,197	4,701	4,601	4,801	4,914	4,705	4,747	4,751	4,751	4,751
		Total FY2017-2020		16,834		Total FY2021-2024		19,021		Total FY2025-2028		19,000	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 102567 *Roof Program*

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES:

FC:

AQ Code:M8

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

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 - \$1.75 million (FY 2022-2024)
- 69th Street Terminal/MSHL Shop Roof Replacement - \$14.1 million (Prior Years-FY 2019)
- 2nd & Wyoming / Berridge Shop Roof Replacement - \$15.84 million (Prior Years-FY 2018)
- Broad Substation Roof Replacement - \$2 million (Prior Years-FY 2018)
- Comly Roof Replacement - \$7.7 million (FY 2020-2022)
- Courtland Shop Roof Replacement - \$7.15 million (FY 2018-2020)
- Overbrook Maintenance Facility Roof - \$7.55 million (Prior Years-FY 2019)
- Railroad Stations Roof Program - \$21 million (FY 2023-2028)
- Sansom Substation Roof Replacement - \$2 million (FY 2022-2024)
- Southern Garage Roof Replacement - \$7.7 million (FY 2019-2022)
- Substations and Maintenance Roof Program - \$21 million (FY 2023-2028)

TIP Program Years (\$ 000)

Phase	Fund	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	<u>FY2027</u>	<u>FY2028</u>
ERC	1514	7,657											
ERC	LOC	255											
ERC	1514		9,318										
ERC	LOC		311										
ERC	1514			7,872									
ERC	LOC			262									
ERC	1514				7,910								
ERC	LOC				264								
ERC	1514					8,032							
ERC	LOC					268							
ERC	1514						7,328						
ERC	LOC						244						
ERC	1514							7,135					
ERC	LOC							238					
ERC	1514								7,466				
ERC	LOC								249				
ERC	1514									6,774			
ERC	LOC									226			
ERC	1514										6,774		
ERC	LOC										226		
ERC	1514											6,774	
ERC	LOC											226	
ERC	1514												6,774
ERC	LOC												226
		7,912	9,629	8,134	8,174	8,300	7,572	7,373	7,715	7,000	7,000	7,000	7,000
		Total FY2017-2020		33,849		Total FY2021-2024		30,960		Total FY2025-2028		28,000	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 102569 Maintenance & Transportation Facilities

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES:

FC:

AQ Code:M11

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

This project provides for improvements at SEPTA's bus and rail maintenance shops, facilities maintenance shops, and office buildings. Program elements include replacement of vehicle washer, lift, and boiler systems; wheel truing program; bus and steel wheel lift programs; underground storage tank replacement program; construction of a new district employee facilities; and paving improvements. Currently programmed projects include:

- Allegheny Washer - \$3.55 million (Prior Years-FY 2018)
- Boiler Replacement Program - \$12 million (Prior Years-FY 2028)
- Bus Lift Program - \$10.5 million (FY 2022-2028)
- Environmental Cleanup - \$5.89 million (FY 2017-2028)
- Frankford District Employee Facilities - \$9.7 million (Prior Years-FY 2018)
- Frontier Garage Roof, Washer, and Paving - \$9.95 million (Prior Years-FY 2019)
- Overhead and Fire Doors - \$8.75 million (FY 2022-2028)
- On-Site Power for Major Facilities - \$15 million (FY 2017-2028)
- Overbrook Washer - \$3.2 million (FY 2022-2025)
- Powelton Yard Facility Improvements - \$3.92 million (Prior Years-FY 2018)
- SEPTA Headquarters Improvements - \$5.32 million (Prior Years-FY 2017)
- Southern Garage Stormwater Management and Pavement - \$4.92 million (Prior Years-FY 2018)
- Steel Wheel Lift Program - \$12 million (FY 2017-2028)
- Underground Storage Tank Replacement Program - \$21 million (FY 2017-2028)
- Vehicle Washer Program - \$14 million (FY 2022-2028)
- 103 Victory Avenue Facility Improvements - \$10.47 million (Prior Years-FY 2018)
- Wheel Truing Program - \$15 million (FY 2017-2028)

Also included in this program is the Frazer Rail Shop and Yard Upgrade project. This project will upgrade the Frazer Maintenance Facility to accommodate the expansion of SEPTA's railcar and locomotive fleets including new multi-level cars. Work includes extending three existing storage tracks and adding three 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 upgraded and mechanical equipment and electrical connections will be replaced. The budget for this project is \$139 million. Funding is programmed as follows: prior fiscal years and FY 2017-2020.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514	14,114											
ERC	LOC	470											
ERC	1514		17,838										
ERC	OTH		19,000										
ERC	LOC		594										
ERC	1514			17,731									
ERC	OTH			30,000									
ERC	LOC			591									
ERC	1514				27,444								
ERC	OTH				25,000								
ERC	LOC				915								
ERC	1514					25,211							
ERC	LOC					840							
ERC	1514						14,274						
ERC	LOC						476						
ERC	1514							14,390					
ERC	LOC							480					
ERC	1514								14,032				

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

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

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

FC:

AQ Code:M6

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

This program provides for improvements to SEPTA's communications systems, signal systems, and information technology infrastructure. Projects will upgrade hardware and software, replace equipment that has reached or exceeded its useful life, and bring systems to a state of good repair. Currently programmed projects include:

- 30th to Arsenal Catenary, Signals and ROW Improvements - \$41.8 million (Prior Years-FY 2018)
- Beth Interlocking and Signal Improvements - \$7 million (FY 2022-2027)
- Broad Street Subway Ridge Spur Signals - \$6.5 million (Prior Years-FY 2018)
- CARD System Replacement - \$32.5 million (Prior Years-FY 2021)
- Hunt/Wayne Interlocking - \$14 million (FY 2022-2026)
- Information Technology Program - \$60 million (FY 2017-2028)
- Media/Elwyn ATC Upgrade - \$3.65 million (Prior Years-FY 2019)
- Railroad Interlocking Improvement Program - \$40 million (FY 2025-Future Years)
- Real Time Information / Audio Visual Public Address (AVPA) - \$34.73 million (Prior Years-FY 2020)
- Route 101/102 Positive Train Control - \$74.96 million (Prior Years-FY 2019)
- Scheduling System Enhancements - \$8.1 million (FY 2017-2018)
- York Interlocking - \$7 million (FY 2018-2022)

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CAP	1514	17,423											
CAP	LOC	581											
CAP	3028		5,800										
CAP	1514		30,954										
CAP	LOC		1,032										
CAP	1514			26,128									
CAP	LOC			871									
CAP	1514				26,133								
CAP	LOC				871								
CAP	1514					24,674							
CAP	LOC					822							
CAP	1514						24,413						
CAP	LOC						814						
CAP	1514							20,207					
CAP	LOC							673					
CAP	1514								17,149				
CAP	LOC								571				
CAP	1514									19,452			
CAP	LOC									648			
CAP	1514										19,384		
CAP	LOC										646		
CAP	1514											19,123	
CAP	LOC											637	
CAP	1514												19,316
CAP	LOC												644
		18,004	37,786	26,999	27,004	25,496	25,227	20,880	17,720	20,100	20,030	19,760	19,960
		Total FY2017-2020		109,793		Total FY2021-2024		89,323		Total FY2025-2028		79,850	

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 103626 *Resiliency Program*

LIMITS No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: FC: AQ Code:M6

PLAN CENTER: IPD:

PROJECT MANAGER: CMP:

PennDOT Class: PennDOT Improvement: NHPP:

The Resiliency Program provides funding for seven projects that proactively address infrastructure vulnerabilities. On September 22, 2014, approximately \$3.6 billion was made available by the Federal Transit Administration under the Public Transportation Emergency Relief Program (Section 5324) for competitively selected projects in response to Hurricane Sandy. SEPTA was selected to receive \$86.76 million in federal funds (\$115.68 million total) to advance projects which intend to protect public transportation infrastructure that have been repaired or rebuilt after Hurricane Sandy or that is at risk of being damaged or destroyed by a future natural disaster.

SEPTA was selected to receive funding for the following projects:

- Ancillary Control Center - \$12 million total
- Flood Mitigation at Jenkintown - \$19.9 million total
- Manayunk/Norristown Line Shoreline Stabilization - \$6 million total
- Railroad Embankment/Slope Stabilization - \$25 million total
- Railroad Signal Power Reinforcement - \$42.7 million total
- Sharon Hill Line Flood Mitigation - \$5 million total
- Subway Pump Room Emergency Power - \$5 million total

SEPTA previously initiated work on these projects and obligated \$89.41 million. The balance of funding for the Resiliency Program or \$26,269,955 is programmed in FY 2017 and will support the following projects: Flood Mitigation at Jenkintown; Manayunk/Norristown Line Shoreline Stabilization; Railroad Embankment/Slope Stabilization; Sharon Hill Line Flood Mitigation.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
ERC	5324	19,702												
ERC	1514	6,356												
ERC	LOC	212												
		26,270	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020	26,270		Total FY2021-2024				0	Total FY2025-2028				0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 105572 *Lansdale Area Improvements*

LIMITS Lansdale Train Station and 9th Street Train Station

No Let Date

IMPROVEMENT Transit Improvements

MRPID:CG

MUNICIPALITIES: Lansdale Borough

FC:

AQ Code:2020M

PLAN CENTER: Town Center

IPD: 4

PROJECT MANAGER:

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

This project provides for the improvements to the Lansdale Station area. The project includes construction of a fully accessible 680-space parking garage at the Lansdale Regional Rail Station, resulting in a total of 895 parking spaces at the station. A pedestrian overpass will provide a direct connection to a future Transit Oriented Development (TOD) project on the Borough's Madison Avenue parking lot. In addition, the following Lansdale area companion improvements will be advanced: Enhancements to the Main Street entrance to the station; construction of a bus layover area on Railroad Street south of Main Street adjacent to the tracks; and construction of a new station at 9th Street (complete). The total project cost is \$43.25 million.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514	8,513											
ERC	LOC	284											
ERC	1514		7,637										
ERC	LOC		255										
		8,797	7,892	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020		16,689		Total FY2021-2024				0			
						Total FY2025-2028				0			

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

MPMS# 107011 Safety and Security Improvements

New

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES:

FC:

AQ Code:M6

PLAN CENTER:

IPD:

PROJECT MANAGER:

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Safety is a key objective of SEPTA's Strategic Business Plan. All projects are grounded in a safety-first methodology. This new program addresses SEPTA's goal to provide passengers with safe, reliable, and efficient transportation. The program includes projects that will improve station, tunnel, and facility ventilation systems, interoperable communications, bus operations, and security infrastructure. Currently programmed projects include:

- Allegheny Garage Ventilation - \$3.67 million (FY 2017-2018)
- AT&T and Suburban Stations Ventilation Improvements - \$20 million (Prior Years-FY 2018)
- Bus Turn Alerting System - \$4.63 million (FY 2017-2019)
- Jefferson Station Platform Ventilation System - \$5.08 million (Prior Years-FY 2018)
- Midvale Facility and Security Enhancements - \$26.7 million (FY 2017-2021)
- Pump Rooms - \$10 million (FY 2022-2028)
- Radio Interoperability - \$24.89 million (Prior Years-FY 2019)
- Safety and Security Infrastructure Hardening Program - \$14 million (FY 2017-Future Years)
- Tunnel Ventilation Evaluation - \$1.3 million (Prior Years-FY 2017)
- Wayne Junction Yard Security Improvements - \$2.5 million (FY 2017-2018)

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ERC	1514	13,548											
ERC	LOC	451											
ERC	1514		14,412										
ERC	LOC		480										
ERC	1514			15,089									
ERC	LOC			503									
ERC	1514				14,526								
ERC	LOC				484								
ERC	1514					12,007							
ERC	LOC					400							
ERC	1514						4,839						
ERC	LOC						161						
ERC	1514							4,838					
ERC	LOC							161					
ERC	1514								4,887				
ERC	LOC								163				
ERC	1514									4,839			
ERC	LOC									161			
ERC	1514										4,839		
ERC	LOC										161		
ERC	1514											4,839	
ERC	LOC											161	
ERC	1514												3,900
ERC	LOC												130
		13,999	14,892	15,592	15,010	12,407	5,000	4,999	5,050	5,000	5,000	5,000	4,030
		Total FY2017-2020		59,493		Total FY2021-2024		27,456		Total FY2025-2028		19,030	

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Transit Program (Status: TIP)

SEPTA

Total For	2017	2018	2019	2020	2017-2020	2021-2024	2025-2028
SEPTA	\$604,572	\$786,902	\$712,496	\$667,065	\$2,771,035	\$2,468,221	\$2,468,188