

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 14891 *Darby Road/Paoli Road Bridges (2) Over Little Darby Creek and Wigwam Run SR:1015*

LIMITS Over Little Darby Creek and Wigwam Run

Est Let Date: 6/22/2017

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Radnor Township

FC: 17

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 0

PROJECT MANAGER: AECOM/C. Carmichael

CMP: Not SOV Capacity Adding

This project involves rehabilitating or replacing two bridges carrying Darby Paoli Road over Little Darby Creek and Wigwam Run.

This road segment is included in the Delaware County Bicycle Plan. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	185	20											
FD	185		80										
ROW	TOLL												
ROW	STU		301										
ROW	TOLL												
ROW	STU			49									
CON	STU			458									
CON	581			126									
CON	STU				2,856								
CON	581				801								
		20	381	633	3,657	0	0	0	0	0	0	0	0
		Total FY2015-2018		4,691		Total FY2019-2022		0		Total FY2023-2026		0	

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Delaware

MPMS# 15008 *Folcroft Avenue Bridge Over Amtrak/SEPTA Wilmington/Newark Rail Line*

LIMITS Over Amtrak/SEPTA Wilmington/Newark Rail Line

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Folcroft Borough; Sharon Hill Borough

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 3

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 6A

The existing one lane bridge with 5' sidewalks on both sides is currently closed to traffic. The new bridge will be two lanes with 5' sidewalks on both sides and the vertical geometry will be corrected to provide better sight distance. The bicycle and pedestrian checklists will be incorporated into the project.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	TOLL												
PE	STP		250										
PE	STU		250										
ROW	BOF			54									
ROW	183			10									
ROW	LOC			3									
UTL	581				2,203								
UTL	LOC				116								
CON	BOF					4,358							
CON	183					817							
CON	LOC					272							
		0	500	67	2,319	5,447	0	0	0	0	0	0	0
		Total FY2015-2018		2,886		Total FY2019-2022		5,447		Total FY2023-2026		0	

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Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 15183 *Station Road Bridge Over Chester Creek (CB #234)*

LIMITS Over Chester Creek

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Thornbury Township

FC:

AQ Code:S19

PLANNING AREA: Growing Suburb

IPD: 0

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

This project involves rehabilitating or replacing Station Road over Chester Creek in Thornbury Township, a single span bridge. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)													
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<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>
FD	STP	310											
FD	179	77											
ROW	BOF		46										
ROW	179		12										
UTL	STP			45									
UTL	179			11									
CON	STP					1,910							
CON	179					478							
		387	58	56	0	2,388	0	0	0	0	0	0	0
		Total FY2015-2018		501		Total FY2019-2022		2,388		Total FY2023-2026		0	

MPMS# 15225 *Ardmore Avenue Bridge Over SEPTA and Cobbs Creek SR:1018*

LIMITS Over SEPTA and Cobbs Creek

Est Let Date: 4/21/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Haverford Township

FC: 17

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: AECOM/C. Carmichael

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 7B

This project involves rehabilitating or replacing two bridges on Ardmore Avenue between Harvest Lane and Haverford Road. One bridge crosses Cobbs Creek and one crosses SEPTA's Norristown High Speed Line. The 62'-long encased steel stringer bridge carries a 2 lane road and sidewalk over SEPTA's Norristown High Speed Line. This road segment is included in the Delaware County Bicycle Plan. This bridge will complete the connection to the station. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

The project does include construction of new stairs and ADA ramps on both sides of bridge down to the station platform areas.

TIP Program Years (\$ 000)													
<u>Phase</u>	<u>Fund</u>	<u>FY2015</u>	<u>FY2016</u>	<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>
ROW	STU	696											
ROW	LOC	174											
CON	581		117										
CON	STU			6,808									
CON	581			1,702									
CON	STU					2,808							
CON	185					585							
		870	117	8,510	0	3,393	0	0	0	0	0	0	0
		Total FY2015-2018		9,497		Total FY2019-2022		3,393		Total FY2023-2026		0	

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Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 15251 US 1, Baltimore Pike Interchange Improvements SR:0352

LIMITS At PA 352/Middletown Road

Est Let Date: 3/15/2020

IMPROVEMENT Bridge Repair/Replacement

MRPID:5

MUNICIPALITIES: Middletown Township

FC: 12; 14

AQ Code:R3

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: TSS/M. Fausto

CMP: Minor SOV Capacity

Adding Subcorr(s): 5B

This project will entail the reconstruction and reconfiguration of this cloverleaf interchange, originally built in 1939.

This project involves reconstructing the US 1/PA 352 interchange at the terminus of the Media Bypass, upgrading roads and intersections, and traffic signals. Project includes improvements along US 1 beginning at the intersection with PA 452 to east of the Media Bypass, and along PA 352 beginning north of the Williamson Free School entrance drive to the intersection of PA 352 / PA 452. Local street improvements are included to improve circulation and provide access.

This road segment is included in the Delaware County Bicycle Plan. SEPTA 110, 111, and 117 bus routes use Routes 1 and 352.

TIP Program Years (\$ 000)													
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	NHPP	2,404											
FD	581	601											
FD	581		334										
FD	STU			2,000									
FD	NHPP			4,668									
FD	581			1,997									
FD	NHPP					3,331							
FD	581					833							
ROW	581				14,695								
ROW	581					2,695							
ROW	581						8,695						
UTL	NHPP						3,247						
UTL	581						812						
CON	TOLL												
CON	STU							18,727					
CON	NHPP							18,727					
CON	TOLL												
CON	NHPP								18,727				
CON	STU								18,727				
CON	581								23,728				
CON	NHPP									18,727			
CON	STU									18,727			
CON	581									5,364			
		3,005	334	8,665	14,695	6,859	12,754	37,454	61,182	42,818	0	0	0
Total FY2015-2018		26,699				Total FY2019-2022		118,249		Total FY2023-2026		42,818	

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Delaware

MPMS# 15298 *US 1, Township Line Road Bridge Over SEPTA Route 100 Rail Line SR:0001*

LIMITS Over SEPTA Route 100 Rail Line

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Haverford Township; Upper Darby Township

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: Gannett/PTL

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5E

Funding for this project is to address Accrued Unbilled Costs (AUC).

This project includes rehabilitation of the bridge carrying S.R. 0001 (Township Line Road) over the SEPTA Norristown High Speed Line. The existing bridge is a single-span steel I-beam structure that is 62 feet long and 56 feet wide. The proposed bridge will be a prestressed concrete box beam structure that will be 61 feet wide. The existing roadway has four 11-foot lanes, two 5-foot sidewalks, two 1-foot exterior walls, and no median. The proposed roadway will have four 11-foot lanes, two 2-foot shoulders, a 6-foot right sidewalk, a 5-foot left sidewalk, two 1-foot exterior walls, and no median.

This road segment is included in the Delaware County Bicycle Plan.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	NHPP	911											
CON	581	228											
		1,139	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,139		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 15306 *Sellers Avenue Bridge Over Amtrak and SEPTA Wilmington Newark Rail Line SR:2031*

LIMITS Over Amtrak/SEPTA Wilmington Newark Rail Line

Est Let Date: 3/24/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Ridley Park Borough

FC: 17

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: AECOM/C. Carmichael

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 6A

This project involves rehabilitating or replacing the superstructure of the Sellers Avenue Bridge over Amtrak while reusing the existing stone abutments. The roadway profile is expected to be raised between three and four feet. Replacement of the bridge will require the rerouting of catenary wires and the relocation of railroad signals. Vehicular traffic will be detoured around the site but pedestrian access will be maintained using staged construction. The new bridge design will accommodate the existing utilities at this location. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	185	60											
CON	STU	5,771											
CON	185	1,154											
		6,985	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		6,985		Total FY2019-2022		0		Total FY2023-2026		0	

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Delaware

MPMS# 15368 MANOA RD:BRG OVER CK (Bridge) SR:1002

LIMITS OVER COBBS CREEK : HAVERFORD TOWNSHIP :

Est Let Date: 4/6/2017

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Haverford Township

FC: 17

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: HNTB/N. Velaga

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5C, 7B

This project involves rehabilitating or replacing state bridge over Cobbs Creek on Manoa Road between Powder Mill Lane and Karakung Drive in Haverford Township. It is a breakout project from MPMS #88706. This road segment is included in the Delaware County Bicycle Plan. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	STP	204											
PE	185	51											
FD	STP		525										
FD	185		131										
ROW	STP			90									
ROW	185			23									
UTL	STP			45									
UTL	185			11									
CON	STP				571								
CON	185				167								
CON	STP									862			
CON	185									161			
		255	656	169	738	0	0	0	0	1,023	0	0	0
		Total FY2015-2018		1,818		Total FY2019-2022		0		Total FY2023-2026		1,023	

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Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 15406 **PA 452, Market Street Bridge Over Amtrak/SEPTA Wilmington Newark Rail Line SR:0452**

LIMITS Over Amtrak/SEPTA Wilmington Newark Rail Line

Est Let Date: 8/13/2015

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Lower Chichester Township; Marcus Hook Borough

FC: 14

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 2

PROJECT MANAGER: EE/L. Link

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 6A

The existing two lane bridge (built in 1925) with shoulders and 8' sidewalks will be replaced in kind. Handicapped accessible ramps to the SEPTA stations will be provided. SEPTA bus route 119 uses this bridge. This road segment is included in the Delaware County Bicycle Plan. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	STP	2,700											
CON	NHPP	2,534											
CON	581	1,308											
CON	NHPP		5,234										
CON	581		1,308										
CON	NHPP			5,234									
CON	581			1,308									
		6,542	6,542	6,542	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		19,626		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 15438 **Goshen Road SR:1034**

Return

LIMITS South of Darby-Paoli Rd.

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Radnor Township

FC: 17

AQ Code:R4

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 7B

This safety improvement project involves realignment of 443 meters (1453 feet) of Goshen Road which is a two-lane highway. The one cross road along the project length is Montparnasse Place. Improvements to this stop sign-controlled, T-intersection are limited to minor grade adjustments at the curb returns. A modified single-faced concrete barrier will be installed to minimize impacts to adjacent properties. Drainage improvements and guide rail installation are also included in the project scope. The limits of work extend from Segment 0060 Offset 0650 to Segment 0060 Offset 1110.

This road segment is proposed for inclusion in the Delaware County Bicycle Plan.

HSIP Safety Funding for this project has been drawn from MPMS #57927

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	HSIP	3											
FD	581	1											
		4	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		4		Total FY2019-2022		0		Total FY2023-2026		0	

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Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 15444 Villanova Pedestrian Bridge

LIMITS Norristown HSL Villanova Station over US 30 to St. Thomas of Villanova Church Plaza

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Radnor Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: TSS/S. Hasan

CMP: Not SOV Capacity Adding

A pedestrian bridge will be provided between the Norristown High Speed Line Villanova station over US 30 to St. Thomas of Villanova Church Plaza, which will connect the rail station, Villanova University's dormitories and parking, and the university main campus. A high level ADA compliant pedestrian facility will span US 30. Related work activities will include the relocation of the existing signalized intersection at the church drive/walkway and the addition of turn lanes on US 30 at the relocated driveway.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	e581		3,000										
CON	e581			1,500									
		0	3,000	1,500	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		4,500		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

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Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 15468 Concord Road Bridge Over Baldwin Run SR:3007

Return

LIMITS Over Baldwin Run

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Aston Township; Chester Township

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: TSS/SPF

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 8A

Funds will cover accrued unbilled costs.

The purpose of this project is to replace the existing culvert which conveys SR 3007 (Locally known as Concord Road) over Baldwin Run. The existing culvert is a stone masonry and concrete arch with a maximum span length of 18', approximate height of fill of 20' from stream bed to roadway grade and approximate width of 28.8' conveying two lanes of traffic. It is scheduled for replacement due to its condition being structurally deficient exhibiting severe cracking in the adjacent retaining walls, loss of mortar along the fascias and section loss in the substructure units. The project will provide a replacement structure along a new alignment located immediately to the west (upstream) of the existing alignment. Traffic will be maintained along the existing alignment during the construction of the new structure and approach roadways. The roadway width will be 36' throughout the project limits. The alignment and profile of the new roadway shall be significantly improved eliminating existing substandard horizontal and vertical curves. The proposed structure will be a 77' long, 16' wide x 10' high reinforced concrete box culvert with flared wingwalls at the inlet and outlet. The proposed roadway will be constructed upon approximately 10' of earthen fill over the top slab of the culvert. Appurtenant roadway features include curb, guiderail, signage, pavement markings, roadway drainage, vegetated swales and a stormwater infiltration basin. The project will impact 0.16 acres of palustrine forested wetlands and will therefore include construction of a 0.5 acre wetland mitigation site which is located in close proximity to the project site.

This road segment is included in the Delaware County Bicycle Plan.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
ROW	STU	87											
ROW	581	22											
CON	185	125											
		234	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		234		Total FY2019-2022		0		Total FY2023-2026		0	

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Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 47147 3rd Street Dam Over Broomall Lake

LIMITS Over Broomall Lake/tributary to Ridley Creek

Est Let Date: 1/31/2019

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Media Borough

FC:

AQ Code:S2

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5D

This project involves rehabilitating or replacing the Broomall Lake dam carrying 3rd St., which is currently closed to traffic due to the dam's deterioration. The project also includes roadway reconstruction and stormwater management improvements. A final alternative for bridge rehabilitation or replacement is determined upon National Environmental Policy Act (NEPA) clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	183	244											
FD	LOC	61											
ROW	183		35										
ROW	LOC		9										
UTL	183			36									
UTL	LOC			9									
CON	183				2,782								
CON	LOC				696								
		305	44	45	3,478	0	0	0	0	0	0	0	0
		Total FY2015-2018		3,872		Total FY2019-2022				Total FY2023-2026			
									0				0

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Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 47986 *Chester Creek Bicycle/Pedestrian Trail*

Return

LIMITS Lenni Road to Chester Creek Road

Actl Let Date: 1/8/2015

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Middletown Township; Aston Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD: 0

PROJECT MANAGER: EE/DVRPC/R.Gallagher

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 2D, 5B, 6A, 8A

This project will fund Phase I of the Chester Creek Bicycle/Pedestrian multi-use trail. Phase I extends from Lenni Road to Chester Creek Road. Improvements include a paved ADA compliant trail and associated facilities, including signage, trailhead parking facilities, bridge rehabilitation at Parkmount Rd. and Pennell Rd., a tunnel at Knowlton Rd., 3 separate crossing of Chester Creek, landscaping, pavement markings, and improvements to at-grade crossings at Mt. Road and Mt. Alverno Road including pedestrain flashers for the at-grade crossing at Lungren Road.

The Chester Creek Trail is intended for transportation purposes, including trips to work, school, shops, and services. When all 3 phases are completed, the Chester Creek Trail will provide bicycle and pedestrian access to SEPTA's new Wawa regional rail station, which will be the new terminus of the Elwyn regional rail line and will connect residential communities with major employment, school, retail, and service centers. The trail will also provide access for residents to various destinations in the corridor, such as Wawa's corporate headquarters and Wawa's dairy plant, the proposed redevelopment project on the site of the Franklin Mint, various businesses in Lenni and Rockdale, Linvilla Orchards, Endless Pools, City of Chester employment sites, and the East Coast Greenway. Phased construction of the Chester Creek Rail Trail is planned from the already designed Wawa regional rail station to Chester City. The Chester Creek Trail is included in the Delaware County Bicycle Plan. Phase II will extend south from the Chester Creek Road terminus of phase 1 to Chester City. Phase III will link with the Wawa station on the extension of the Media-Elwyn regional rail line in Middletown Township and Chester Heights Borough to increase commuting possibilities along the corridor.

This project is part of The Circuit. The Circuit is a 750-mile interconnected network of multi-use trails spanning Greater Philadelphia with Philadelphia and Camden as its hub, and is included in DVRPC's Long-Range Transportation Plan. Circuit trails will generally meet minimum design standards (10-feet wide, paved, and separated from traffic) to reflect their intended use as the arteries of a dedicated regional non-motorized transportation system. Circuit trails located near and connecting to downtown Philadelphia are already used heavily for transportation purposes, and the implementation of the network will further encourage the surging growth of bicycle commuting in the region. At 2.3%, Philadelphia has the highest bike-to-work percentage of the 10 largest cities in the country according the 2013 American Community Survey. This project is also included in the Delaware County Bicycle Plan.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	STU	6,134											
CON	TOLL												
CON	STU		1,097										
		6,134	1,097	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		7,231		Total FY2019-2022		0		Total FY2023-2026		0	

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Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 47992 *New Road Over West Branch of Chester Creek (Crozierville Bridge)*

LIMITS Over West Branch of Chester Creek

Est Let Date: 9/3/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Aston Township

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

Replacement of this County-owned concrete T-beam bridge built in 1931. The superstructure is in poor condition with cracks and significant spalls throughout. Exposed reinforcing steel is visible on the bottom of the deck. The beams are in overall serious condition with exposed reinforcing steel, large spalls, and heavy leaching. If the bridge is not repaired, the concrete will continue to crack and the bridge will continue to deteriorate. The project has been right-sized during the scoping phase of the project. This bridge has a stone façade and is not a structural stone arch bridge. This project is subject to standard PENNDOT design procedures as defined in the Bicycle/Pedestrian Facilities checklist and less than 1/2 mile from the Chester Creek Trail.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	STU	195											
CON	183	37											
CON	LOC	12											
CON	183		441										
CON	LOC		147										
		244	588	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		832		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 47993 *7th Street Bridge Over Chester Creek SR:7023*

LIMITS Over Chester Creek

Est Let Date: 2/11/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Chester City

FC:

AQ Code:S19

PLANNING AREA: Core City

IPD: 4

PROJECT MANAGER: TSS/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 2D, 4D, 6A

Major rehabilitation/superstructure replacement of this County-owned bridge in downtown Chester. This bridge currently has a 12 ton weight limit. This road segment is included in the Delaware County Bicycle Plan. SEPTA 107 and 109 bus routes use this road.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	STU	4,923											
CON	179	1,231											
		6,154	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		6,154		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 57757 *Morton Avenue / Swarthmore Avenue Intersection Improvements and Morton Avenue Sidewalk SR:2025*

LIMITS Morton Avenue from Swarthmore Avenue and 9th Avenue

Est Let Date: 11/17/2016

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Ridley Township; Rutledge Borough

FC: 16

AQ Code:R1

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: Gannett/B. Masi

CMP: Minor SOV Capacity

Adding Subcorr(s): 5C

The project includes widening of the intersection of Morton Ave. and Swarthmore Ave. to provide proper turning radii and left turn lanes. The roadway will be widened and resurfaced at the intersection where needed. Existing lane widths will be maintained except where widening will take place. The new lane widths at this location are 2-12 ft travel lanes, 2-2 ft shoulders and a 10 ft left turn lane. The sidewalk is intermittent through this section of Morton Ave and will be constructed to provide pedestrians with a continuous walkway from Swarthmore Ave. to Ridley High School (9th St.). Traffic signal upgrades/replacement will take pedestrian traffic into account. The four existing traffic signals at the intersection of Morton Ave. and Swarthmore Ave. will be replaced with new signals. The system will be traffic responsive via loop detectors. The project will comply with the Regional ITS Architecture.

TIP Program Years (\$ 000)													
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<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>
CON	TOLL												
CON	CAQ		2,877										
CON	TOLL												
CON	CAQ				359								
		0	2,877	0	359	0	0	0	0	0	0	0	0
		Total FY2015-2018		3,236		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 57772 **Convent Road Bridge Over Chester Creek (CB# 6)**

LIMITS Over Chester Creek

Est Let Date: 2/25/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Aston Township

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5B

This project will entail the complete replacement of the Convent Road Bridge. The existing structure is a two-span concrete structure built in 1927 that carries Convent Road over the confluence of Chester Creek and its west branch. Severe deterioration extends through the deck superstructure and substructure, resulting in a 20-ton weight restriction. The bridge is currently 20 feet wide with a 6 foot wide concrete sidewalk provided on the upstream side of the structure. The bridge is located on a significant horizontal curve at both approaches. Heavy industrial development is present on the northern approach; residential development exists on the southern approach. The two-lane approach roadways are unlined and no safety features are provided.

A new structure will replace the existing bridge along the same alignment; the width of the new structure will be wider than the existing. Although significant changes to the roadway and bridge profile are not anticipated, minor roadway approach work will be required. The new structure will comply with current PennDOT design standards including an increased weight limit, which will allow the passage of larger vehicles. The bridge currently has a PennDOT sufficiency rating of 18.3. This bridge is .1 mile from the Chester Creek Trail. This project is subject to standard PennDOT design procedure as defined in the Bicycle/Pedestrian Facilities checklist.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	BOF	111											
CON	BOF		3,315										
CON	179		718										
		111	4,033	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		4,144		Total FY2019-2022				0		Total FY2023-2026	
												0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 57773 *Lloyd Street Bridge Over Amtrak/SEPTA Wilmington Newark Rail Line (CB)*

LIMITS Over Amtrak/SEPTA Rail Line between 5th Street and 6th Streets

Est Let Date: 5/7/2020

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Chester City

FC:

AQ Code:S19

PLANNING AREA: Core City

IPD: 3

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 4D, 6A

Due to structural defects, this project involves rehabilitating or replacing the Lloyd Street bridge, which was constructed in 1899. This bridge, which serves the industrial waterfront is currently closed to traffic. The pedestrian walkways had been closed due to holes in the decking. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	BOF	891											
FD	183	194											
FD	LOC	55											
ROW	581		1,204										
ROW	LOC		63										
UTL	581			2,235									
UTL	LOC			117									
CON	BOF					8,343							
CON	183					1,564							
CON	LOC					521							
		1,140	1,267	2,352	0	0	10,428	0	0	0	0	0	0
		Total FY2015-2018		4,759		Total FY2019-2022		10,428		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 64790 MacDade Boulevard Closed Loop Signal System SR:2006

LIMITS South Avenue to Cherry Street

Est Let Date: 11/15/2016

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Glenolden Borough; Collingdale Borough

FC: 14

AQ Code:2020M

PLANNING AREA: Developed Community

IPD: 3

PROJECT MANAGER: TSS/H.Freed

CMP: Minor SOV Capacity

Adding Subcorr(s): 6A

The project limits are along MacDade Boulevard from South Avenue to Cherry Street. The following 11 intersections are currently signalized and the equipment will be replaced with new state of the art controllers to allow for coordinated signalization and improved traffic flow management and pedestrian safety: (1) MacDade Boulevard & South Avenue; (2) MacDade Boulevard & Knowles Avenue; (3) MacDade Boulevard & Ashland Avenue; (4) MacDade Boulevard & Cooke Avenue; (5) MacDade Boulevard & Oak Lane (S.R. 2015); (6) MacDade Boulevard & Lafayette Avenue; (7) MacDade Boulevard & Woodlawn Avenue; (8) MacDade Boulevard & Clifton Avenue (S.R. 2013); (9) MacDade Boulevard & Felton Avenue; (10) MacDade Boulevard & Roberta Avenue; and (11) MacDade Boulevard & Cherry Street. The following two intersections are currently signalized, but the traffic signals will be removed and replaced with stop control for the side streets: (12) MacDade Boulevard & Jackson Avenue and (13) MacDade Boulevard & Sharon Avenue.

The system will initially be implemented with time of day programs. However, the system will be specified to be traffic responsive capable allowing traffic responsive timings and programs to be implemented in the future, if desired. The system will be a true 'closed loop' system where the system can be monitored from either a direct connect or remote central monitoring station. PennDOT's District 6-0 Office will have direct access to the central monitor system and the main server will be located there. The municipalities will have access to the system through separate work stations via the internet (VPN). The traffic signals will be connected via fiber optic cable.

ADA compliant curb ramps, countdown hand/man pedestrian signal heads and pedestrian push buttons are proposed. Some of the intersections use standard red-yellow-green signals for pedestrians that will be replaced with universal hand/man pedestrian signal heads with countdown timers. The northbound approach of Oak Lane will be widened to provide a dedicated left turn lane. This road segment is included in the Delaware County Bicycle Plan. SEPTA's Route 107 and 113 buses use this road.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	TOLL												
FD	CAQ	75											
ROW	CAQ		200										
CON	TOLL												
CON	CAQ		6,010										
		75	6,210	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		6,285		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 64791 PA 420, Kedron Avenue SR:0420

LIMITS At Franklin Avenue

Est Let Date: 6/13/2016

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Ridley Township

FC: 14

AQ Code:R1

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: Plans/C. Veiga

CMP: Minor SOV Capacity

Adding Subcorr(s): 5C

Existing signalization and geometry is outdated. Substandard signal head configuration and size create a safety hazard. Roadway geometry is not adequate for proper turn movements, especially for buses. Traffic movement is impacted by inability of buses to negotiate turns. Intersection is heavily used by both SEPTA Route 107 and school buses. Proposed solution would be modernization of signals, road widening and channelization. Project would alleviate safety problems and enhance turning movements. Design and ROW are being advanced by the township.

This road segment is included in the Delaware County Bicycle Plan.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	LOC	53											
ROW	CAQ		109										
UTL	LOC		28										
CON	CAQ			766									
		53	137	766	0	0	0	0	0	0	0	0	0
Total FY2015-2018		956							0	Total FY2023-2026			
									0				

MPMS# 64821 Gradyville Road (Bridge) SR:7208

LIMITS PA 252 Newtown St. Rd. Bishop Hollow Rd.

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Newtown Township

FC:

AQ Code:S19

PLANNING AREA: Growing Suburb

IPD:

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 10C

Funding programmed in FY16 for this project is to pay a claim settlement with the contractor.

This project consists of widening and replacing the existing, functionally obsolete 14-foot single span steel I-beam bridge that carries Gradyville Road over Hunter Run. The proposed structure will be designed to accommodate a 28-foot wide cartway (two 11-foot travel lanes and two 3-foot shoulders) and will provide an increased hydraulic opening. Currently there are two 10.5-foot travel lanes with no shoulder. The project also involves a minimal amount of approach roadway work to tie the bridge into the existing 20-foot wide roadway. Traffic safety features will be upgraded to include adequate guiderail at each bridge approach and adequate bridge deck width. Upon completion of the project, the reconstructed bridge will accommodate one travel lane in each direction on the bridge.

This project included in the Delaware County Bicycle Plan. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	183		150										
		0	150	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018		150							0	Total FY2023-2026			
									0				

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 65911 *Marcus Hook Streetscape (TE) SR:0013*

LIMITS US 13, Delaware State Line to Trainer Borough

No Let Date

IMPROVEMENT Streetscape

MUNICIPALITIES: Marcus Hook Borough

FC: 14

AQ Code:X12

PLANNING AREA: Developed Community

IPD: 2

PROJECT MANAGER: EE/DVRPC/J.Coscia

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 6A

The Marcus Hook Streetscape Improvement Project looks to improve the appearance of SR 0013 (Post Road / 10th Street) and SR 0452 (Market Street), improve pedestrian and bicycle facilities, rescale the highway to suit current conditions, and construct the Borough's portion of the larger East Coast Greenway.

The improvements are divided into three sections: refinery, business, and residential. The refinery section extends from the Delaware/Pennsylvania state line to Green Street. The improvements will include traffic calming devices, landscaping, traffic signal equipment replacement, restriping of the roadway to reduce the cartway from four lanes to two lanes, with dedicated left turn lanes and signage. The transition from four lanes to two lanes will begin in the State of Delaware. The business section extends from Green Street to the railroad tracks, approximately 170 feet from McClenachan Terrace. The improvements will include traffic calming devices, landscaping, concrete pavers, parking meter replacement, traffic signal equipment replacement, restriping of the roadway and signage. The residential section extends from the railroad tracks to Marcus Hook Creek. The improvements will include traffic calming devices, landscaping, traffic signal equipment replacement, restriping of the roadway and signage.

Landscaping, construction of East Coast Greenway multi-use path, and reduction of through lanes on Route 13 from 4 lanes to 2. Additional interpretive signage is planned through the industrial section.

This road segment is included in the Delaware County Bicycle Plan. In the spring of 2002 this project was recommended for funding through the Transportation Enhancements Program. \$1,507,000 will be drawn from MPMS #64984 at the appropriate time.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	
CON	TOLL													
CON	STU	1,861												
		1,861	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2015-2018			1,861	Total FY2019-2022				0	Total FY2023-2026			0

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 69665 South Creek Road Bridge Over Brandywine Creek SR:3101

LIMITS Over Brandywine Creek

Est Let Date: 5/17/2018

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Chadds Ford Township; Pennsbury Township

FC: 17

AQ Code:S19

PLANNING AREA: Growing Suburb

IPD: 1

PROJECT MANAGER: TSS/S. Fellin

CMP: Not SOV Capacity Adding

This project takes place on SR 3101, Section DRB, South Creek Road over Brandywine Creek in Chadds Ford Township, Delaware County and Pennsbury Township in Chester County. The project involves rehabilitating or replacing an existing structurally deficient and functionally obsolete C.I.P. Reinforced Concrete Arch Deck Closed Spandrel bridge. Also included are bridge approach roadway reconstruction and minor utility relocations. This road segment is included in the Delaware County Bicycle Plan, and is Bicycle PA Route L.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

		TIP Program Years (\$ 000)											
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<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>
FD	STU	637											
FD	185	159											
ROW	STU		219										
ROW	185		55										
UTL	STU			90									
UTL	185			23									
CON	STU					5,886							
CON	185					1,536							
CON	STP						1,040						
CON	STU						6,926						
CON	185						1,926						
		796	274	113	0	7,422	9,892	0	0	0	0	0	0
		Total FY2015-2018		1,183		Total FY2019-2022		17,314		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 69815 US 322, Environmental Mitigation (MIT) SR:3025

LIMITS US 1 to West of CSX Railroad bridge

Est Let Date: 9/17/2015

IMPROVEMENT Other

MRPID:50

MUNICIPALITIES: Upper Chichester Township; Bethel Township; Concord Township

FC: 14

AQ Code:S2

PLANNING AREA: Developed Community; Growing Suburb

IPD: 0

PROJECT MANAGER: TSS/P. Berthold

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 8A

The project involves mitigation measures for widening and improving SR 3025 to a four lane typical section with a median barrier from US Route 1 in Concord Township, through Bethel Township, to just west of the CSX Bridge in Upper Chichester Township. The project includes development of a wetland mitigation site on the former Patterson tract in Thornbury Township, Delaware County and relocation of the Department's maintenance facility at SR 3025 and SR 261 to Concord Township property at SR 3025 and Fellowship Drive/Station Road North, including realignment of Station Road North. The relocation of the maintenance facility will involve development of the new site with buildings, storage and parking.

ROW and UTL for this project will be completed under MPMS# 69816.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	SXF		6,462										
CON	581		1,615										
		0	8,077	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		8,077		Total FY2019-2022				0		Total FY2023-2026	
												0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 69816 US 322, US 1 to Featherbed Lane (Section 101) SR:0322

LIMITS US 1 to Featherbed Lane

Est Let Date: 1/5/2017

IMPROVEMENT Roadway New Capacity

MRPID:50

MUNICIPALITIES: Concord Township

FC: 14

AQ Code:2025M

PLANNING AREA: Growing Suburb

IPD: 1

PROJECT MANAGER: TSS/P. Berthold

CMP: Major SOV Capacity

Adding Subcorr(s): 5B, 8A

The project involves widening SR 322 (currently two lanes) to a four lane typical section with a median barrier from US Route 1 in Concord Township to east of Mattson Road/Featherbed Lane near Clayton Park and the Bethel Township line. Auxiliary right turn lanes will be provided at intersections.

Intersection improvements will include the following:

- Reconstruction of existing traffic signal at US Route 1 and construction of additional turn lanes on SR 322.
- Elimination of through and left turn traffic movements on Spring Valley Road and left turn traffic movements on SR 322.
- Reconstruction of existing traffic signal at Fellowship Road/Station Road Connector and reconstruction of Fellowship Road intersection to accommodate 4 lanes on SR 322 and a turn lane on Station Road Connector.
- Elimination of left turns from and into Station Road (SR 3025).
- Construction of a jughandle and a new traffic signal at Cambridge Drive intersection.
- Construction of a new traffic signal at Mattson Road/Featherbed Lane.

Although the widening from two lanes to four lanes will primarily entail widening to the south of the existing road to make use of the available right-of way, widening to the north or about the center will be done at some locations to minimize impacts to environmental and community resources. The bridge over SEPTA/ Webb Creek and the bridge over Smith Bridge Road will be replaced. Sound barriers and retaining walls will also be constructed in this section. This project may include other revisions as necessary. SEPTA's Route 119 bus uses this road.

See MPMS #14747 for design funding. MPMS #'s 69815, 69816, and 69817 contain construction phases for the US 322 project. This project includes ROW and UTL work for MPMS# 69815.

Project CMP (Congestion Management Process) commitments include strategies such as improvements for transit users, bicyclists, pedestrians, and drivers on the existing road network (operations). See DVRPC's 2009 annual memoranda on supplemental strategies for details related to this project.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	NHPP			7,171									
CON	581			2,050									
CON	NHPP				27,183								
CON	TOLL												
CON	STU				1,685								
CON	581				4,702								
CON	STP					398							
CON	STU					2,727							
CON	NHPP					26,676							
CON	581					6,049							
CON	NHPP						7,278						
CON	581						255						
CON	581							1,882					
CON	NHPP									4,296			
		0	0	9,221	33,570	35,850	7,533	1,882	0	4,296	0	0	0
		Total FY2015-2018		42,791		Total FY2019-2022		45,265		Total FY2023-2026		4,296	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 69817 US 322, Featherbed Lane to I-95 (Section 102) SR:0322

LIMITS East Mattson Road/Featherbed Lane to just West of CSX bridge in Upper Chichester Township

Est Let Date: 1/10/2019

IMPROVEMENT Roadway New Capacity

MRPID:50

MUNICIPALITIES: Upper Chichester Township; Bethel Township; Concord Township **FC:** 14; 16

AQ Code:2025M

PLANNING AREA: Developed Community; Growing Suburb

IPD: 2

PROJECT MANAGER: TSS/P. Berthold

CMP: Major SOV Capacity

Adding Subcorr(s): 8A

The project involves widening and improving SR 322 to a four lane typical section with a median barrier from east of Mattson Road/Featherbed Lane near Clayton Park and the Concord Township/Bethel Township line, through Bethel Township, to just west of the CSX Bridge in Upper Chichester Township. The existing two lane section of SR 322 will be widened to 4 or 5 lanes with jughandles or exclusive left turn lanes to accommodate left turns at intersections. Between Chelsea Parkway and Cherry Tree Road a fifth center lane will accommodate left turns into and out of the adjacent commercial properties. Auxiliary right turn lanes will be provided at intersections. The existing four lane section from east of Cherry Tree Road to just west of the CSX Bridge will be improved. SEPTA's Route 119 bus uses this road.

Intersection Improvements will include the following:

- Closure of existing intersection of Garnet Mine Road (SR 3038, west of Foulk Road intersection).
- Reconstruction of Foulk Road (SR 261) interchange to a diamond configuration, including two new traffic signals.
- Construction of a new traffic signal at SR 322 eastbound ramps and Garnet Mine Road (SR 3038).
- Elimination of left turns from and into Colonial Drive.
- Reconstruction of existing traffic signal at Creek Parkway and reconstruction of Creek Parkway intersection to accommodate 4 lanes on SR 322.
- Elimination of left turns from and into Sommers Lane.
- Reconstruction of existing traffic signal at Chelsea Parkway and reconstruction of Chelsea Parkway intersection to accommodate 4 lanes on SR 322.
- Reconfiguration and reconstruction of Cherry Tree Road/Bethel Road intersection to accommodate 4 lanes on SR 322, including construction of a new traffic signal, a Bethel Road connector and left turn lanes on SR 322.
- Reconstruction of Market Street (SR 452) interchange to a partial cloverleaf configuration, including two new traffic signals.

Although the widening from two lanes to four lanes will primarily entail widening to the south of the existing road to make use of the available right-of way, widening to the north or about the center will be done at some locations to minimize impacts to environmental and community resources. The project includes the replacement of 10 bridges and major culverts. Sound barriers and retaining walls will also be constructed in this section. This project may include other revisions as necessary.

See MPMS #14747 for design funding. MPMS #'s 69815, 69816, and 69817 contain construction phases for the US 322 project
TEA-21 DEMO 0486 - PA ID #116 - \$13,220,615

Project CMP (Congestion Management Process) commitments include strategies such as improvements for transit users, bicyclists, pedestrians, and drivers on the existing road network (operations). See DVRPC's 2009 annual memoranda on supplemental strategies for details related to this project.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
ROW	SXF	480											
ROW	581	120											
UTL	SXF	120											
UTL	581	30											
CON	NHPP					4,280							
CON	581					1,070							
CON	NHPP						16,280						
CON	581						4,070						
CON	NHPP							51,280					
CON	581							12,820					
CON	TOLL												
CON	STU								6,250				
CON	NHPP								48,280				
CON	581								12,070				
		750	0	0	0	5,350	20,350	64,100	66,600	0	0	0	0
		Total FY2015-2018		750		Total FY2019-2022		156,400		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 70219 **PA 291, East Coast Greenway**

LIMITS Darby Creek to Wanamaker Avenue

Est Let Date: 4/23/2015

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Tinicum Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD: 2

PROJECT MANAGER: EE/DVRPC/J. Coscia

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 4C, 6A

Construction of the East Coast Greenway in Tinicum Township, including approximately 3500 feet of multi-use hard surface trail on the south side of Route 291 from Darby Creek to 2nd street, amenities and signing. Once fully connected to adjacent segments of the East Coast Greenway, this trail is intended principally for transportation purposes, including trips to work, school, shops and services. Also included in the project is construction of the Tinicum-Fort Mifflin trail, which is approximately 3200 feet of multi-use hard surface trail along the southerly side of 2nd Street, which will connect the main trail proposed through Tinicum Township to the Fort Mifflin National Park site. Additional funding is included in project MPMS# 71200. This project is included on the Delaware County Bicycle Plan.

This project is part of The Circuit. The Circuit is a 750-mile interconnected network of multi-use trails spanning Greater Philadelphia with Philadelphia and Camden as its hub, and is included in DVRPC's Long-Range Transportation Plan. Circuit trails will generally meet minimum design standards (10-feet wide, paved, and separated from traffic) to reflect their intended use as the arteries of a dedicated regional non-motorized transportation system. Circuit trails located near and connecting to downtown Philadelphia are already used heavily for transportation purposes, and the implementation of the network will further encourage the surging growth of bicycle commuting in the region. At 2.3%, Philadelphia has the highest bike-to-work percentage of the 10 largest cities in the country according the 2013 American Community Survey.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	STU	766											
CON	CAQ	413											
		1,179	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,179		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 70228 **I-476, MacDade Boulevard Ramp Improvements SR:2006**

LIMITS I-476 to Fairview Road

Est Let Date: 12/15/2016

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Ridley Township

FC: 11; 14

AQ Code:R3

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: AECOM/K. Caparra

CMP: Minor SOV Capacity

Adding Subcorr(s): 2D, 6A

Channelization & signalization of shopping center entrance and reconfiguration of northbound I-476 / eastbound MacDade Boulevard off-ramp. Traffic safety concerns generated the need for this project. Congestion on I-476 Northbound causes drivers to exit at MacDade Blvd, cross 4 lanes of traffic, and reenter I-476. The project also includes the creation of a full access signalized intersection at a local shopping center. A former uncontrolled median opening at the shopping center entrance was closed due to excessive accidents. SEPTA's Route 113 bus uses MacDade Boulevard.

This road segment is included in the Delaware County Bicycle Plan.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
ROW	STP		120										
ROW	581		30										
CON	581				3,768								
CON	581					3,768							
		0	150	0	3,768	3,768	0	0	0	0	0	0	0
		Total FY2015-2018		3,918		Total FY2019-2022		3,768		Total FY2023-2026		0	

MPMS# 70245 **Chester City Access Improvements II SR:2028**

LIMITS Chestnut Street/Morton Avenue, 10th Street to 12th

Est Let Date: 11/5/2015

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Chester City

FC: 14

AQ Code:R1

PLANNING AREA: Core City

IPD: 5

PROJECT MANAGER: HNTB/G. Gumas

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 2D, 4D, 6A

This project entails the improvement of the Chestnut Street and Morton Avenue corridor which provides mobility between I-95 and PA 291 in the City of Chester. Specifically, work includes the widening of Chestnut Street from I-95 to 10th Street without adding additional travel lanes, and the reconfiguration of the intersections at 12th /Chestnut St., Chestnut St./10th St./ Morton Ave. (SR 0013), and Morton/Potter/5th/6th. Also includes drainage improvements, signalization and signing improvements along the corridor; vertical clearance improvements at the Amtrak overpass; and minor rehabilitation and painting of the I-95 overpass and maintenance of traffic during construction. This project was broken out from MPMS # 57780/TIP #7915.

This road segment is included in the Delaware County Bicycle Plan. SEPTA's Route 113 bus uses Morton Avenue.

A final alternative for bridge rehabilitation or replacement is determined upon National Environmental Policy Act (NEPA) clearance.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
ROW	STP		40										
ROW	581		10										
UTL	STP			171									
UTL	581			43									
CON	581				4,637								
		0	50	214	4,637	0	0	0	0	0	0	0	0
		Total FY2015-2018		4,901		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 71200 **PA 291, East Coast Greenway/Industrial Heritage Highway (TE) SR:0291**

LIMITS 2nd Street, Poolsen Avenue to 4th Avenue

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Tinicum Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD: 2

PROJECT MANAGER: EE/DVRPC/LS

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 4C, 6B

Construction of the East Coast Greenway in Tinicum Township, including approximately 3500 feet of multi-use hard surface trail on the south side of Route 291 from Darby Creek to 2nd street, amenities and signing. Also included in the project is construction of the Tinicum-Fort Mifflin trail, which is approximately 3200 feet of multi-use hard surface trail along the southerly side of 2nd Street (SR 2002), which will connect the main trail proposed through Tinicum Township to Fort Mifflin. Additional funding is included in project MPMS# 71200. Additional funding is included in MPMS# 70219

This project is included in the Delaware County Bicycle Plan.

\$700,000 TE funds were approved during the FY2004 project selection process, to be programmed at the appropriate time, drawing funds from MPMS #64984.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	STU		475										
		0	475	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018		475				Total FY2019-2022				0			
										Total FY2023-2026			
										0			

MPMS# 72913 **Chester Commercial Business District (HTSSRS)**

LIMITS Avenue of the States/Welsh Street/East 6th Street

No Let Date

IMPROVEMENT Streetscape

MUNICIPALITIES: Chester City

FC:

AQ Code:A2

PLANNING AREA: Core City

IPD: 4

PROJECT MANAGER: EE/DVRPC/JC

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 2D, 4D, 6A

Specific improvements will include streetscape enhancements that include new curbs, sidewalks, lighting, landscaping and other improvements along the triangle of streets created by the 600 blocks of Avenue of the States and Welsh Street, and East Sixth Street between Avenue of the States and sixth Street. The project seeks to build upon the ongoing revitalization of the City of Chester's Central Business District (CBD).

This project was recommended in the spring of 2005 for funding through the HTSSRS program. \$922,300 funding will be drawn down at the appropriate time.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TCSP	1,000											
CON	STP	480											
		1,480	0	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018		1,480				Total FY2019-2022				Total FY2023-2026			
										0			

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 75800 *College Avenue Bridge Over SEPTA Norristown High Speed Line and Cobb's Creek SR:1026*

LIMITS Over SEPTA Norristown High Speed Line and Cobb's Creek

Est Let Date: 8/27/2015

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Haverford Township

FC: 17

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: HNTB/N. Velaga

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 7B

This project involves rehabilitating or replacing the College Avenue (SR 1026) bridge over SEPTA. The current bridge is on a substandard vertical curve in order to provide clearance for SEPTA. This road segment is included in the Delaware County Bicycle Plan. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
ROW	581	891											
UTL	TOLL												
UTL	STU	1,313											
CON	581	7,175											
		9,379	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			9,379	Total FY2019-2022			0	Total FY2023-2026			0

MPMS# 77460 *Lincoln Avenue Renaissance Project (TE) SR:0420*

Return

LIMITS Lincoln Avenue, Maryland Avenue to Chester Pike

Est Let Date: 7/16/2015

IMPROVEMENT Streetscape

MUNICIPALITIES: Prospect Park Borough

FC: 14

AQ Code:X12

PLANNING AREA: Developed Community

IPD: 3

PROJECT MANAGER: EE/DVRPC/J.Coscia

CMP: Not SOV Capacity Adding

Improving the visual edges of Lincoln Ave. by installing plantings and small markers such as decorative fencing. Improvements to the SEPTA train station landscaping will be implemented. Additional improvements include street lights, furniture, benches, trash receptacles, sign posts, street name signs, and minor sidewalk and curb repair.

In the spring of 2006 this project was recommended for funding through the Home Town Streets Program. \$632,500 will be drawn from MPMS #64984 at the appropriate time.

December 11, 2014 - In summer of 2014, PennDOT held a competitive round of 2-years worth of funding. As a result, this project was one of 13 projects across the DVRPC region that received \$300,000 on 11/10/2014 through the statewide TAP program (MPMS #60560) out of the \$7.8 million awarded to the region. Statewide, PennDOT made \$33 million available for 56 projects across the state.

This road segment is included in the Delaware County Bicycle Plan.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL	150											
CON	TAP												
CON	TOLL												
CON	STU		663										
CON	TAP		300										
		150	963	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			1,113	Total FY2019-2022			0	Total FY2023-2026			0

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 79329 *Bridgewater Road Extension*

Return

LIMITS Concord Road to PA 452/US 322

Est Let Date: 3/4/2021

IMPROVEMENT Roadway New Capacity

MRPID:117

MUNICIPALITIES: Upper Chichester Township; Aston Township; Chester Township

FC: 14; 17

AQ Code:2035M

PLANNING AREA: Developed Community

IPD: 2

PROJECT MANAGER: TSS/PWB

CMP: Major SOV Capacity

Adding Subcorr(s): 8A

Project to extend Bridgewater Road to either SR 452 (Market Street) or US 322. This candidate project is a breakout of MPMS #15477, where the PE phase for this breakout is located.

TIP Program Years (\$ 000)														
<u>Phase</u>	<u>Fund</u>	<u>FY2015</u>	<u>FY2016</u>	<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>	
ROW	TOLL													
ROW	STP										692			
UTL	TOLL													
UTL	STP										692			
CON	STU												17,622	
CON	581												4,406	
		0	0	0	0	0	0	0	0	0	1,384	0	22,028	
Total FY2015-2018		0				Total FY2019-2022				Total FY2023-2026				23,412

MPMS# 80051 *Rosemont Avenue Bridge Over Darby Creek (CB #73)*

LIMITS Over Darby Creek

Est Let Date: 2/11/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Springfield Township; Upper Darby Township

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 2

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5E

This project includes the complete removal and replacement of the Delaware County Bridge #73, a 72' single span, narrow, severely deteriorated, 12 ton concrete encased steel bridge construction in 1921. The project will include minor improvements to the approach roadway and safety features associated with the bridge. The bridge is located at a T-intersection. The replacement structure will be single span bridge designed to meet current PennDOT standards. The benefit to the bridge replacement project is that it will ensure the preservation of this stream crossing for the estimated 3,798 vehicles per day (as recorded in 2003) which currently use the bridge. The project will also greatly improve the load carrying capacity of the structure, improve the roadway and bridge geometry, and provide current safety features. The Darby Creek Greenway Trail is proposed to run along the Upper Darby side of the creek and Ellson Glen Park is on the Springfield side of the creek.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)													
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<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>
CON	STP		1,672										
CON	179		418										
		0	2,090	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		2,090		Total FY2019-2022			0	Total FY2023-2026			0

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 86368 *Mount Alverno Road Bridge Over Chester Creek (CB #9)*

LIMITS Over Chester Creek

Est Let Date: 1/7/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Middletown Township; Aston Township

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

The project will include the replacement of a single span, concrete bridge constructed in 1926. The structure is located in Aston and Middletown Townships. The bridge has the following condition ratings: deck - N, super - 3, sub - 5. This bridge is an arch under fill and therefore does not have a deck. Sufficiency rating: 33.7

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
UTL	STP	42											
UTL	179	11											
CON	STU		442										
CON	179		121										
CON	BOF			1,481									
CON	179			360									
		53	563	1,841	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		2,457		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 86370 *Tribbitt Avenue Bridge Over Hermesprot Creek (CB #237)*

LIMITS Over Hermesprot Creek

Est Let Date: 10/13/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Darby Township; Folcroft Borough

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 0

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 6A

This project involves replacing or rehabilitating a single span, concrete slab bridge located in Folcroft Borough and Darby Township. The bridge has the following condition ratings: deck - 5, super - 5, sub - 4. Sufficiency rating: 41.8

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
UTL	STP		44										
UTL	179		11										
CON	STU			1,873									
CON	179			468									
		0	55	2,341	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		2,396		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 87119 **Nether Providence Township Sidewalks (SRTSF- Round 1/TAP)**

LIMITS Wallingford Avenue

Est Let Date: 1/14/2016

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Nether Providence Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: EE/DVRPC/K.Lawrence

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5C

This project will install 4,425 linear feet of sidewalks and curbing along the north side of Wallingford Avenue (SR 3024), which will create a safer route to Wallingford Elementary School. This section of roadway is designated a Hazardous Walking Route by PennDOT per March 2005 DVRPC Study, and these improvements will remove Wallingford Avenue from the Hazard Route list.

This project was awarded \$304,500 in federal Safe Routes to School (SRTSF) funding in May of 2009. In addition, \$225,000 Regional TAP funds were approved during the 2014 project selection process, to be programmed at the appropriate time, drawing funds from MPMS #64984. Any additional funds required to complete the project will be provided locally.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	SRTSF	239											
CON	STP		18										
CON	TOLL												
CON	TAP		225										
		239	243	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		482		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 87120 **Upper Darby Township Sidewalks (SRTSF) - Round 1**

LIMITS Township Line Road

Est Let Date: 6/18/2015

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Upper Darby Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: EE/DVRPC/K. Lawrence

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5C

This project will construct sidewalks, curb cuts, and other improvements to provide a safer route leading to the Aronimink Elementary School on Bond Avenue. Improvements include construction of sidewalks along the west side of Township Line Road (TLR) to commence at Pilgrim Lane to the convergence of TLR and State Road (SR); construction of 6 curb cuts for ramps at the west side of TLR at both corners of Bella Vista Road (BVR), 2 on the north corner of BVR and 4 at the south corner of BVR (Includes Crosswalk for Pedestrians); installation of guard railing along the west side of TLR from the north corner of BVR to the south corner of BVR; installation of 140 linear feet (l.f.) of retaining wall along west side of TLR within the north & south corners of BVR. This road segment is included in the Delaware County Bicycle Plan.

This project was awarded \$242,893 in federal Safe Routes to School (SRTSF) funding in May of 2009. Any additional funds required to complete the project will be provided locally.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	SRTSF	191											
		191	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		191		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 88407 I-95 Overhead Bridges

LIMITS Bridges over I-95

Est Let Date: 11/19/2015

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Chester City

FC: 11; 14

AQ Code:S19

PLANNING AREA: Core City

IPD:

PROJECT MANAGER: AECOM/C. Beissel

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 4D, 6A

This project entails rehabilitation and painting of eight (8) bridges spanning I-95 in the City of Chester. The estimated construction cost of this project is \$20,000,000 - \$25,000,000. The bridges are the Crosby Street Pedestrian Bridge, Edgmont Avenue (SR 0352), Madison Street (SR 0320), Upland Street (SR 0320), Potter Street, Walnut Street Pedestrian Bridge, Chestnut Street and Melrose Ave. The Potter Street and Melrose Ave. bridges will have their decks replaced. The Chestnut Street Bridge will have a bituminous overlay and the rocker bearings reset. The Upland Street Bridge deck will have an LMC overlay. All bridges will have miscellaneous concrete repairs, have the protective fence repaired or replaced, and will be painted. Edgmont Avenue and Chestnut Street are included in the Delaware County Bicycle Plan. SEPTA's Route 113 bus uses Melrose Avenue.

		TIP Program Years (\$ 000)												
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<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>	
FD	NHPP	195												
FD	185	49												
UTL	NHPP	200												
UTL	185	50												
CON	185			6,733										
CON	185				11,602									
		494	0	6,733	11,602	0	0	0	0	0	0	0	0	
		Total FY2015-2018		18,829		Total FY2019-2022				0		Total FY2023-2026		0

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 92323 *Wanamaker Ave o/ Darby Ck (Bridge) SR:0420*

LIMITS Delaware County - Darby Ck is border between Tinicum Township and Prospect Park Boro

Est Let Date: 7/27/2017

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Prospect Park Borough; Tinicum Township

FC: 14

AQ Code:S19

PLANNING AREA: Developed Community; Rural Area

IPD: 3

PROJECT MANAGER: TSS/M. Saintval

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 6A

This project involves rehabilitating or replacing the state bridge over the Darby Creek on Wanamaker Avenue between US 13 and I-95 in Tinicum Township and Prospect Park Borough. Structurally Deficient bridge breakout project from MPMS #88706. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical exclusion clearance. This road segment is included on the Delaware County Bicycle Plan.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
STUDY	TOLL												
STUDY	STP		40										
FD	NHPP	339											
FD	185	85											
ROW	NHPP		262										
ROW	185		66										
UTL	NHPP			270									
UTL	185			68									
CON	185				4,057								
CON	185					4,057							
		424	368	338	4,057	4,057	0	0	0	0	0	0	0
		Total FY2015-2018		5,187		Total FY2019-2022		4,057		Total FY2023-2026		0	

MPMS# 92808 *Marshall Rd o/ Cobbs Crk (Bridge)*

Return

LIMITS Between Cobbs Creek Parkway and 69th Street

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Upper Darby Township

FC: 16

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 5

PROJECT MANAGER: HNTB/NV

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 10A

Bridge rehabilitation or replacement of state bridge over Cobbs Creek on Marshall Road between Cobbs Creek Parkway and 69th Street in Upper Darby Township. Structurally Deficient bridge breakout project from MPMS #88706. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	STP								1,107				
FD	185								277				
ROW	STP										59		
ROW	185										15		
UTL	STP										117		
UTL	185										29		
CON	185											21,176	
		0	0	0	0	0	0	0	1,384	0	220	21,176	0
		Total FY2015-2018		0		Total FY2019-2022		1,384		Total FY2023-2026		21,396	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 95429 US 202 and US 1 Loop Roads

LIMITS Completion of Hillman Drive

Est Let Date: 2/8/2018

IMPROVEMENT Roadway New Capacity

MRPID:123

MUNICIPALITIES: Chadds Ford Township

FC: 14

AQ Code:2025M

PLANNING AREA: Growing Suburb

IPD: 1

PROJECT MANAGER: Gannett/V. Genua

CMP: Major SOV Capacity

Adding Subcorr(s): 5B, 8A

The project completes the loop roads on the southeast and southwest corner, connecting Hillman Drive to Painters Crossing/Brandywine Drive in the southwest quadrant. This new connection constitutes a minor roadway extension, but will not widen existing roads. The northeast and northwest quadrants have the existing completed loop roads, State Farm Drive and Brandywine Drive, respectively. Applied Card Way, the southeastern loop road, will be completed by a developer. Turning movements will be made at the intersections (i.e., no jug handles) for the proposed loop road connections, and at the Route 202/US 1 intersection. A completed loop road system will divert traffic from the Route 202/US 1 intersection. Roadway will include sidewalks, crosswalks, enhanced bus stop areas in consultation with SEPTA, and bicycle lanes or paved shoulders. SEPTA Route 111 serves this area. Extension of the right turn lane from northbound Route 1 to southbound Route 202 is also part of this project.

This is a companion project to MPMS #105131.

Project CMP (Congestion Management Process) commitments include sidewalks and crosswalks, enhanced bus stop areas in consultation with SEPTA, and bike lanes or paved shoulders. See DVRPC's 2014-2015 memorandum on supplemental strategies for details related to this project.

TIP Program Years (\$ 000)													
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<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>
FD	STP			699									
FD	581			175									
FD	STP				432								
FD	581				108								
ROW	STP			270									
ROW	581			68									
UTL	STP			135									
UTL	581			34									
CON	STP				2,814								
CON	581				703								
CON	NHPP					432							
CON	581					108							
		0	0	1,381	4,057	540	0	0	0	0	0	0	0
Total FY2015-2018				5,438		Total FY2019-2022		540		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 96946 Ellis Town Center

LIMITS

No Let Date

IMPROVEMENT Roadway New Capacity

MRPID:162

MUNICIPALITIES: Newtown Township

FC: 14; 17

AQ Code:2017M

PLANNING AREA: Growing Suburb

IPD: 1

PROJECT MANAGER: TSS/T. Stevenson

CMP: Major SOV Capacity

Adding Subcorr(s): 10C

This is Phase 1 of the Roadway Improvements for the Ellis Preserve planned development. Phase 1 includes: constructing a bypass/relief route (Loop Road), from PA 3 at the Medical drive intersection to PA 252 at the existing SAP access, widening Clyde Lane from two lanes to four lanes by adding a left turn lane and a right turn lane on the southbound approach to PA 3, widening Bishop Hollow Road from two lanes to three lanes by adding a right turn lane on the northbound approach to PA 3, constructing a southbound PA 252 right turn lane at Winding Way, widening the northern side of PA 3 from Clyde Lane to Winding Way to account for an anticipated future westbound PA 3 through lane, extending the PA 3 westbound left turn lane at Bishop Hollow, installing ADA compliant pedestrian facilities on all four corners of the PA 3/Clyde Lane/Bishop Hollow Road intersection, installing ADA compliant pedestrian facilities on the southwest corner of the Winding Way/PA 252 intersection, installing ADA compliant pedestrian facilities on northwest and southwest corners of the PA 252/ SAP Driveway (Loop Road) intersection, installing ADA compliant pedestrian facilities on northeast corner of the PA 3/ Winding Way/Roe Lane intersection, installing a new traffic signal at the Winding Way/Clyde Lane intersection to work in conjunction with the existing/new signal at the Winding Way/PA 252 intersection, installing new traffic signal equipment at the PA 3/Clyde Lane/Bishop Hollow Road intersection, installing new traffic signal equipment at the PA 252/ SAP Driveway (Loop Road) intersection, installing new traffic signal equipment at the PA 3/ Winding Way/Roe Lane intersection, and retiming traffic signals along PA 3 and PA 252.

The whole project is a 210-acre master planned development located near the intersection of Route 252 (Newtown Street Road) and Route 3 (West Chester Pike) in Newtown Square. Plans for future development are being finalized and will include a fully integrated mixture of office, retail and residential uses. Ellis Town Square will offer a variety of retail stores and dining establishments designed around open aired central plazas and pedestrian pathways.

The overall estimated transportation construction cost of this project, is \$12,000,000, while the private development investment is estimated at \$544,000,000.

PA 3 and Bishop Hollow Road are included in the Delaware County Bicycle Plan and are used by SEPTA 104, 118, and 120 bus routes.

Project CMP (Congestion Management Process) commitments include include turning lanes, new traffic signals, updated signal timings on PA 3 and PA 252, new ADA compliant pedestrian facilities at several intersections along both PA 3 and PA 252, and coordination to upgrade transit in the area, potentially including bus shelters. See DVRPC's 2014-2015 memorandum on supplemental strategies for details related to this project.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	581		500										
CON	581ED		500										
CON	LOC		202										
CON	581ED			3,500									
CON	LOC			1,478									
		0	1,202	4,978	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		6,180		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 98216 Michigan Ave over Little Crum Creek (CB# 210)

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Ridley Township

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: TSS/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 6A

This project is a bridge rehabilitation/replacement of the County owned Michigan Avenue bridge over Little Crum Creek, which is structurally deficient. The bridge is posted with a 12 ton weight restriction and requires continual maintenance to remain open. Various elements of the bridge are in poor condition. The project needs are listed below: 1) Load Carrying Capacity - Eliminate the "Structurally Deficient" designation. - Accommodate school buses, local delivery vehicles and emergency vehicles. 2) Structure Integrity - - Bring the facility up to current design standards. The existing 12-ton carrying capacity restricts the type of traffic that can use the bridge. With an ADT of 6,583 vehicles per day, the bridge no longer provides the necessary community link that it once did. The bridge is a concrete slab that is in poor condition with heavy spalling revealing corroded reinforcement steel, especially near the deck drains. In addition, the substructure of the bridge is in poor condition with exposed, heavily scaled abutments. The channel rating is poor as a result of the alignment resulting in heavy scaling and pockets of undermining at the exposed north abutment. The existing safety features associated with the bridge do not meet PennDOT standards.

Funding for this project will be drawn down from the County Bridge Line Item (MPMS# 95447) at the appropriate time.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	183	201											
PE	LOC	50											
PE	183		14										
PE	LOC		4										
PE	183				65								
PE	LOC				16								
		251	18	0	81	0	0	0	0	0	0	0	0
		Total FY2015-2018		350		Total FY2019-2022				0			
										Total FY2023-2026			
										0			

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 98217 *Hilldale Road over Darby Creek (CB# 149)*

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Lansdowne Borough; Upper Darby Township

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: TSS/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5E

This project is a bridge rehabilitation/replacement of the County owned Hilldale Road bridge over Darby Creek in Lansdowne Borough and Upper Darby Township, Delaware County.

Funding for this project will be drawn down from the County Bridge Line Item (MPMS# 95447) at the appropriate time.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)													
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	183												
		0	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			0	Total FY2019-2022			0	Total FY2023-2026			0

MPMS# 98218 *South Avenue over Muckinipattis Creek (Mulford Bridge) (CB# 142)*

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Glenolden Borough; Norwood Borough

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 0

PROJECT MANAGER: TSS/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 6A

This project is a bridge rehabilitation/replacement of the County owned South Avenue Road Bridge over Muckinipattis Creek (Mulford Bridge) in Glenolden and Norwood Boroughs, Delaware County.

Funding for this project will be drawn down from the County Bridge Line Item (MPMS# 95447) at the appropriate time.

A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)																	
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026				
PE	183	0	0	0	0	0	0	0	0	0	0	0	0				
		Total FY2015-2018				0				Total FY2019-2022				0			
										Total FY2023-2026				0			

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 102276 I-476/I-95 Interchange

Return

LIMITS I-95(0060/0000 to 0060/2500, I-476 (0002/0000 to 0004/2000),& SR 8025(Ramp Segments 0010 and 050 Actl Let Date: 10/9/2014

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Nether Providence Township; Ridley Township; Chester City

FC:

AQ Code:R3

PLANNING AREA: Developed Community; Core City

IPD:

PROJECT MANAGER: George Dunheimer ADE CONSTR **CMP:**

Funds will provide for lane modifications between the I-95 NB/I-476 NB interchange and the entrance of the MacDade Boulevard ramp on I-476 NB. Pavement reconstruction, resurfacing, and restriping of the I-95/I-476 NB segment in Delaware County, including new sign installments, will accommodate these modifications. Specifically, the existing three-lane I-95 NB approaching I-476 NB will convert its middle lane to a through or exit lane to I-476 NB. Vehicles can then continue on I-95 NB using the two lanes on I-95 NB or exit to I-476 NB using the other two lanes. A drop right lane will be added on the I-95 SB to I-476 NB segment at MacDade Boulevard and on I-476 NB (650 feet south of the MacDade Boulevard ramp). A single lane will also be created from two existing lanes for a portion of I-95 SB to I-476 NB.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	NHPP	70											
PE	581	8											
CON	STU	467											
CON	NHPP	40											
CON	LOC	128											
CON	NHPP		500										
CON	LOC		56										
		713	556	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,269		Total FY2019-2022				0			
										Total FY2023-2026			
										0			

MPMS# 102290 SR 202 (Wilmington-West Chester Pike) Adaptive Signal System (ARLE 4)

ARLE

LIMITS

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Chadds Ford Township; Concord Township

FC:

AQ Code:2017M

PLANNING AREA: Growing Suburb

IPD: 1

PROJECT MANAGER: MS/V. Temino

CMP: Minor SOV Capacity

Adding Subcorr(s): 8A

This project funded by the Automated Red Light Enforcement (ARLE) Round 4 program will be used to install adaptive signal control at nine (9) intersections along Wilmington-West Chester Pike (SR 0202) from Oakland Road to Johnson Farm Lane in Concord and Chadds Ford Townships.

The Automated Red Light Enforcement (ARLE) program targets high crash intersections within the Commonwealth of Pennsylvania with the implementation of an automated system that records violations by drivers who run red lights and are fined for their violation. The projects assist municipalities to implement cost-effective upgrades to traffic lights and other basic systems that will improve safety, reduce congestion, and enhance mobility.

Round 4 (2013 ARLE funds) award: \$432,000. Round 4 of ARLE awarded approximately a total of \$8.8 million statewide.

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 102291 **SR 0452 (Pennell Road) Corridor Improvements (ARLE 4)**

ARLE

LIMITS

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Aston Township

FC:

AQ Code:2017M

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: MS/V. Temino

CMP: Minor SOV Capacity

Adding Subcorr(s): 8A

This project funded by the Automated Red Light Enforcement (ARLE) Round 4 program will be used to expand the fiber optic closed loop traffic signal system for six (6) signalized intersections along Pennell Road (SR 0452) from Segment 0170/Offset 0000 to Segment 0180/Offset 0214 in Aston Township. It will also involve traffic counts at all six intersections and the development of optimized signal timings and coordination settings.

The Automated Red Light Enforcement (ARLE) program targets high crash intersections within the Commonwealth of Pennsylvania with the implementation of an automated system that records violations by drivers who run red lights and are fined for their violation. The projects assist municipalities to implement cost-effective upgrades to traffic lights and other basic systems that will improve safety, reduce congestion, and enhance mobility.

Round 4 (2013 ARLE funds) award: \$82,000. Round 4 of ARLE awarded approximately a total of \$8.8 million statewide.

MPMS# 102834 **Pedestrian and Bicycle Accessibility Enhancements (TAP)**

LIMITS

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Swarthmore Borough

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: EE/DVRPC/K. Lawrence

CMP:

This project will provide for the installation of sidewalks and safety enhancements at several crosswalk locations in the Borough of Swarthmore.

\$420,000 Regional TAP funds were approved during the 2014 project selection process, to be programmed at the appropriate time, drawing funds from MPMS #64984.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TAU		420										
		0	420	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		420		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 102835 *Hillside Road Pedestrian Safety Improvements (TAP)*

LIMITS Hillside Rd from Glenloch Rd to Crum Lynne Rd. Glenloch Rd along Hillside Rd to W. Dupont Ave.

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Ridley Park Borough

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: EE/DVRPC/K. Lawrence

CMP: Not SOV Capacity Adding

Construct an enhanced crosswalk across W. Dupont Avenue and a new pedestrian path from Dupont Street through Eastlake Park (Borough-owned park), replace the footbridge over Little Crum Creek, and construct sidewalk along Hillside Road to Glenloch Road. The current conditions along this route include a standard crosswalk across Dupont Street to nowhere (it ends into an upright curb), an undefined path across a baseball field, a dilapidated footbridge over the creek, and no sidewalk along Hillside Road. Construct sidewalk along Hillside Road from Glenloch Road to Crum Lynne Road and to construct an enhanced crosswalk across Crum Lynne Road. There is intermittent sidewalk along Hillside Road in this stretch.

The limits for this project are along Hillside Road from Glenloch Road to Crum Lynne Road. Glenloch Road along Hillside Road through Eastlake Park to W. Dupont Ave.

\$530,000 Regional TAP funds were approved during the 2014 project selection process, to be programmed at the appropriate time, drawing funds from MPMS #64984.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TAU												
		0	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			0	Total FY2019-2022			0	Total FY2023-2026			0

MPMS# 103216 *Jansen Avenue Grade Crossing*

New

LIMITS Between PA 291 and Old Tinicum Island Road

Est Let Date: 5/18/2017

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Tinicum Township

FC:

AQ Code:S8

PLANNING AREA: Rural Area

IPD:

PROJECT MANAGER: MAL/M. Lang

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 4C, 6A

This project will install a railroad warning lights at the Jansen Avenue grade crossing which is located between PA 291 and Old Tinicum Island Road in Tinicum Township, Chester County. This project is part of the statewide Highway-Rail Grade Crossing Program.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	RRX												
		0	273	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			273	Total FY2019-2022			0	Total FY2023-2026			0

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 103217 Main Street Grade Crossing

New

LIMITS Between 5th and 7th Streets

Est Let Date: 7/19/2018

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Darby Borough

FC:

AQ Code:S8

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: Gannett/S. New

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 6A

The Main Street-CSX rail line grade crossing (US DOT #140641S) in Darby Borough needs to be updated and may include improvements such as new gates, lights, traffic signals (if warranted), drainage, and improvements to the crossing surface and roadway for all users at and around the grade crossing. This grade crossing currently poses significant safety concerns as it accommodates train traffic from a major interstate freight line throughout the day, vehicular traffic from two roads (Main St. and Sixth St.), and pedestrian traffic from nearby schools and retail establishments. Adding to the crossing's complexity is SEPTA's trolley route 11 that operates within the Main St. cartway and bisects the freight rail line (with trolley stops located on both sides of the grade crossing). The grade crossing was the subject of a two phase study conducted by DVRPC and overseen by a broad-based steering committee (see DVRPC publication #11012 and #12014).

This project was selected from the 2015 Pennsylvania Statewide Rail-Highway Grade Crossing Program for \$337,653 RRX funds.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	581	750											
CON	RRX			150									
CON	RRX				188								
		750	0	150	188	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,088		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 103525 *Paper Mill Road over Darby Creek (Worrall Bridge/CB #221) (Act13)*

New

LIMITS Worrall Bridge/CB #221

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Newtown Township

FC:

AQ Code:S19

PLANNING AREA: Growing Suburb

IPD:

PROJECT MANAGER: McCormickTaylor/AE

CMP:

Worrall Bridge is a single span concrete rigid frame bridge, carrying Paper Mill Road over Darby Creek in Newtown Township, Delaware County. The bridge was built in 1927 and spans 36 feet with a curb to curb width of 22 feet. This bridge has a posted weight restriction of 15 tons, Except Combinations 20 Tons.

The superstructure condition is rated as 'Fair', exhibiting typical 1/8 inch wide transverse and diagonal cracking with efflorescence and surface map cracking. The concrete surrounding the deck inlets is heavily deteriorated with exposed and corroded reinforcing steel. Due to the structure type, there is no separate deck component. Work performed will be analysis of the existing structure and design of a rehabilitated or new structure. Rehabilitation or reconstruction will include installation of scour countermeasures, minimal approach roadway work and upgrading safety features to current standards. A temporary crossing will be provided for reconstruction as the bridge is situated on a dead end road.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	ACT13	200											
FD	ACT13		100										
ROW	ACT13		15										
CON	ACT13	250											
CON	ACT13		850										
		450	965	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,415		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 104172 *Pedestrian Facilities Improvement (ARLE 5)*

LIMITS

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Concord Township

FC:

AQ Code:A2

PLANNING AREA: Growing Suburb

IPD:

PROJECT MANAGER: MS/V. Temino

CMP: Not SOV Capacity Adding

This project was selected as part of PennDOT's Automated Red-Light Enforcement (ARLE) Round 5 program. The existing pedestrian facilities at the intersection of Baltimore Pike (SR 0001) and Evergreen Drive in Concord Township will be improved, such as by crosswalk striping, ADA Ramps, push buttons and all appurtenant work.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	244	33											
		33	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		33		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 104308 Walkable Wallingford

New

LIMITS Copples Lane from Callender Lane to the existing walk at the Strath Haven Middle School

Est Let Date: 8/25/2016

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Nether Providence Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: EE/DVRPC/K. Lawrence

CMP:

The project will provide upgrades to Township's walkways and trails to improve pedestrian safety and encourage walking and biking. The new curb and sidewalk would run on the north side of Copples Lane from Callender Lane to the existing walk at the Strath Haven Middle School (a distance of about 2300 lineal feet) .

This will result in an interconnected network of trails for recreation and inter-modal access to public transportation (SEPTA Commuter Rail Line) and community destinations. A major purpose of these sidewalks is to improve safety for students walking to school because Copples Lane has been identified by DVRPC as a Hazardous Route to School and intersects Providence Road at the Middle School/High School complex, and students must currently walk in the street to get to the Strath Haven Middle School and Strath Haven High School.

December 11, 2014 - In summer of 2014, PennDOT held a competitive round of 2-years worth of funding. As a result, this project was one of 13 projects across the DVRPC region that received \$444,100 on 11/10/2014 through the statewide TAP program (MPMS #60560) out of the \$7.8 million awarded to the region. Statewide, PennDOT made \$33 million available for 56 projects across the state.

This project also received \$225,000 DVRPC Regional TAP funds (TAU) , under the title of Walkable Wallingford.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TAP			445									
		0	0	445	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		445		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 104465 *Langford Run Road (PA3/I-476/Lawrence Rd)*

New

LIMITS Between PA3 and Lawrence Road

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Haverford Township; Marple Township

FC:

AQ Code:2017M

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: TSS/T. Stevenson

CMP:

This project is for roadway improvements for the planned Langford Run Road development. This project includes: 1.) reconfiguring the SB I-476 off-ramp connections with PA 3 by removing the right-turn channelized slip lane and lengthening/repurposing the off-ramp thru lane to be a shared right-thru lane; 2.) signalizing and reconstructing the PA 3/Langford Run Road intersection by adding a WB left-turn lane (on PA 3) and extending the 3rd EB thru lane (on PA 3); 3.) signalizing and reconstructing the Lawrence Road/Langford Run Road intersection by adding a left-turn lane on Lawrence Road, and 4.) retiming traffic signals and installing an adaptive signal system along PA 3 and Lawrence Road.

The planned Langford Run Road development is on a 66.86 acre parcel in the southwest quadrant of the I-476 and PA 3 (West Chester Pike) interchange in Marple Township. Plans for future development include construction of 173,818 square feet of new retail/commercial space, a 108 room hotel with a restaurant, and 147 new town homes. Plans are being finalized and will include a combination of retail and residential uses. The overall estimated transportation construction cost of this project, is \$2,961,000, while the private development investment is estimated at \$121,400,000.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	e581	2,000											
CON	OTH	961											
		2,961	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		2,961		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 104609 *Penn Avenue Grade Crossing*

New

LIMITS Between Intersections of 4th and 10th Streets

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Marcus Hook Borough

FC:

AQ Code:S8

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: MAL/M. Lang

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 6A

This project will install railroad warning devices and high type surface at the Penn Avenue grade crossing which is located between the intersections of 4th and 10th Streets in Marcus Hook Borough, Delaware County. This project is part of the statewide Highway-Rail Grade Crossing Program.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	RRX	270											
		270	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		270		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 104610 *Erickson Avenue Grade Crossing*

New

LIMITS Between the intersection of 3rd Street & Old Tinicum Island Road

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Tinicum Township

FC:

AQ Code:S8

PLANNING AREA: Rural Area

IPD:

PROJECT MANAGER: MAL/M. Lang

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 4C, 6A

This project will install railroad warning devices at the Erickson Avenue grade crossing which is located between the intersection of 3rd Street and Old Tinicum Island Road in Tinicum Township, Delaware County. This project is part of the statewide Highway-Rail Grade Crossing Program.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	RRX			69									
CON	RRX				149								
		0	0	69	149	0	0	0	0	0	0	0	0
Total FY2015-2018					218	Total FY2019-2022			0	Total FY2023-2026			0

MPMS# 105074 *Chester Safety Cameras*

New

LIMITS Chester City

No Let Date

IMPROVEMENT Streetscape

MUNICIPALITIES: Chester City

FC:

AQ Code:S6

PLANNING AREA: Core City

IPD:

PROJECT MANAGER: HNTB/A. Kim

CMP:

Funding is provided for the addition of security cameras, streetscape improvements, and lighting to improve pedestrian safety in the City of Chester.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	411	147											
FD	LOC	50											
CON	411	603											
CON	LOC	300											
		1,100	0	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018					1,100	Total FY2019-2022			0	Total FY2023-2026			0

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 105131 **US 202 and US 1 Connector Road**

New

LIMITS Applied Card Way; US 202 and US 1

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Chadds Ford Township; Concord Township

FC:

AQ Code:2017M

PLANNING AREA: Growing Suburb

IPD:

PROJECT MANAGER: HNTB/A. Kim

CMP:

Funding is provided to complete the southeastern loop road, Applied Card Way, to connect US 202 and US 1 in Concord and Chadds Ford Townships. Construction also includes related sidewalks, lighting and pedestrian safety amenities. A completed loop road system will divert traffic from the Route 202/US 1 intersection.

This is a companion project to MPMS #95429.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	411	3,000											
CON	LOC	3,000											
		6,000	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		6,000		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 105257 **Swarthmore Avenue LED**

New

LIMITS Intersection along North Swarthmore Ave

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Ridley Park Borough

FC:

AQ Code:NRS

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: Daniel Farley

CMP:

Ridley Park Borough wants to upgrade three existing traffic signal intersections and two school speed limit signals along North Swarthmore Avenue from the existing incandescent light fixtures to efficient LED modules, including the existing pedestrian crossing signals.

North Swarthmore Avenue and West Dupont Street, North Swarthmore Avenue and West Ridley Avenue, North Swarthmore Avenue and West Sellers Avenue, North Swarthmore Avenue near West Rodgers Street.

TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	A-073		14										
CON	LOC		14										
		0	28	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		28		Total FY2019-2022		0		Total FY2023-2026		0	

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 107152 Local Asset Data Collection - Delaware County

LIMITS Countywide

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

FC:

AQ Code:X5

PLANNING AREA:

IPD:

PROJECT MANAGER: Jim Mosca

CMP:

Improve transportation planning and asset management strategies through the identification and collection of missing critical data on all locally-owned roads and bridges over eight feet in length in Delaware County.

TIP Program Years (\$ 000)													
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<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>
STUDY	TOLL												
STUDY	STU		100										
		0	100	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		100		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 107177 Moore Road Sidewalk Project (TAP)

New

LIMITS Brookhaven Road to the Nether Providence Elementary School to Creekside Swim Club

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Nether Providence Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: EE/DVRPC/R. Gallagher

CMP:

The Moore Road project is to establish a continuous concrete curb and walk along the north side of Moore Road from Brookhaven Road to the Nether Providence Elementary School and continuing to a local public swim club, Creekside Swim Club, at the corner of Georgetown Road.

Project was awarded \$825,000 regional TAP (TAU) funds from the 2016 TAP round, which was approved by the March 24, 2016 DVRPC Board. Approximately \$7.6 million was available for the five-county Southeastern Pennsylvania region.

TIP Program Years (\$ 000)													
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TAU												
		0	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			0	Total FY2019-2022			0	Total FY2023-2026			0

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Delaware

MPMS# 107178 *Springfield Township Sidewalk Improvements (TAP)*

New

LIMITS SEPTA Transit Station and Health Campus/Golf View Estates

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Springfield Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: EE/DVRPC/R. Gallagher

CMP:

The Sproul Road corridor will be enhanced with a continuous sidewalk connection between the SEPTA transit station and Springfield Hospital/Healthplex/Golf View Estates active adult community, and defined curb cuts and crosswalks for safe pedestrian movements.

Project was awarded \$280,000 regional TAP (TAU) funds from the 2016 TAP round, which was approved by the March 24, 2016 DVRPC Board. Approximately \$7.6 million was available for the five-county Southeastern Pennsylvania region.

TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	TAU										
		0	0	0	0	0	0	0	0	0	0
Total FY2015-2018		0		Total FY2019-2022		0		Total FY2023-2026		0	

Total For Delaware	2015	2016	2017	2018	2015-2018	2019-2022	2023-2026
	\$63,181	\$44,861	\$57,129	\$87,355	\$252,526	\$368,633	\$92,945

DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Interstate Management Program

Delaware

MPMS# 15477 I-95/322/Conchester Hwy. Interchange/Impvts. (322) SR:0095

LIMITS: I-95 at Rt. 322

No Let Date

MUNICIPALITIES: Upper Chichester Township; Chester City; Chester Township

IMPROVEMENT: Intersection/Interchange Improvements

FC: 11; 14; 16

AQ Code:2035M

PLANNING AREA Developed Community; Core City

IPD: 6

PROJECT MANAGER: TSS/PWB

CMP: Major SOV Capacity

CMP Subcorridor(s): 4D, 8A

This project is a component of the Statewide Interstate Management Program (IMP). The project entails the reconfiguration of the interchange connecting I-95 and US 322 and the interchange of US 322 and Bethel Road. The project area extends along I-95 from just south of the US 322 interchange north to the Commodore Barry Bridge Off Ramp and along US 322 from the I-95 interchange to SR 452 (Market Street) to the west. Among other safety issues, a major weave across three high volume lanes of traffic occurs when vehicles enter I-95 from US 322 eastbound and are destined to US 322 eastbound and the Commodore Barry Bridge. The area along I-95 has been recognized as a Physical Highway Bottleneck under the FHWA's Significant Traffic Bottleneck Initiative.

Alternatives for the interchange will include providing additional auxiliary lanes on I-95 between Highland Avenue and the Commodore Barry Bridge ramps at I-95. I-95 SB may include the existing three through lanes plus an additional fourth auxiliary lane between ramps. I-95 NB may include the existing three through lanes, the existing auxiliary lane and an additional auxiliary lane. A point of access study will be prepared which will include an evaluation of providing two direct movements that currently are not provided at the interchange: I-95 NB to US 322 WB and US 322 EB to I-95 SB. The project will also entail the bridge rehabilitation or replacement of five existing bridges including Highland Avenue over I-95 and the US 322 bridge over CSXT.

This project is integral to the Delaware Valley Freight Corridors Initiative.

TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	581-IM									3,000	
		0	0	0	0	0	0	0	0	3,000	0
		Total FY2015-2018			0	Total FY2019-2022			0	Total FY2023-2026	
										3,000	

Total For Delaware	2015	2016	2017	2018	2015-2018	2019-2022	2023-2026
	\$0	\$0	\$0	\$0	\$0	\$0	\$3,000