

# DVRPC FY 2017-2020 TIP for PA

## 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: 1/25/2018

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Radnor Township

**FC:** 17

AQ Code:S19

**PLAN CENTER:**

IPD: 0

**PROJECT MANAGER:** AECOM/C. Carmichael

**CMP:** Not SOV Capacity Adding

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:** N

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	STU		3,060										
CON	581		765										
		0	3,825	0	0	0	0	0	0	0	0	0	0
<b>Total FY2017-2020</b>		<b>3,825</b>			<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

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

**LIMITS** Over Amtrak/SEPTA Wilmington/Newark Rail Line

Est Let Date: 12/12/2019

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Folcroft Borough; Sharon Hill Borough

**FC:**

AQ Code:NRS

**PLAN CENTER:**

IPD: 4

**PROJECT MANAGER:** TSS/GANNETT/S. New

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 6A

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

The existing one lane bridge is closed to traffic and will be removed. Bridge has been closed since 1997.

#### TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	BOF	339											
PE	183	64											
PE	LOC	21											
UTL	BOF		437										
UTL	183		82										
UTL	LOC		27										
CON	BOF			675									
CON	183			126									
CON	LOC			42									
CON	BOF				675								
CON	183				126								
CON	LOC				42								
		424	546	843	843	0	0	0	0	0	0	0	0
<b>Total FY2017-2020</b>		<b>2,656</b>			<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

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## Pennsylvania - Highway Program (Status: TIP)

### Delaware

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

**LIMITS** Over Chester Creek

Est Let Date: 12/9/2021

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Thornbury Township

**FC:**

AQ Code:S19

**PLAN CENTER:**

IPD: 0

**PROJECT MANAGER:** TSS/GANNETT/S. New

**CMP:** Not SOV Capacity Adding

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

This project involves rehabilitating or replacing Station Road over Chester Creek in Thornbury Township, a single span bridge.

The Station Road bridge is a one lane, reinforced concrete T-beam bridge constructed in 1914 over Chester Creek in Thornbury Township. The width of the bridge is currently 18'-0" due to the numerous bituminous overlays which have concealed the original concrete curbing that previously provided a 16'-8" bridge width. It is currently posted for three tons. The purpose of the project is to correct the structural and safety deficiencies of the bridge to provide a safe and efficient crossing over Chester Creek. The bridge serves residents with local deliveries, school bus transportation, emergency services and access to the local post office located south of the crossing.

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
FD	BOF	328												
FD	179	82												
ROW	BOF		50											
ROW	179		12											
UTL	BOF			50										
UTL	179			12										
CON	BOF					2,197								
CON	179					549								
		<b>410</b>	<b>62</b>	<b>62</b>	<b>0</b>	<b>2,746</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total FY2017-2020</b>			<b>534</b>	<b>Total FY2021-2024</b>				<b>2,746</b>	<b>Total FY2025-2028</b>			<b>0</b>

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## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 15185** *Old Forge Road Over Rocky Run (CB #209) SR:7023*

**Return**

**LIMITS** Over Rocky Run

No Let Date

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Middletown Township

**FC:**

AQ Code:S19

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** TSS/GANNETT

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 5B

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

The existing County-owned one lane bridge will be replaced with a two lane bridge with sidewalk on one side. There will also be a minor realignment of the bridge's horizontal curve.

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	BOF		4										
CON	179		1										
CON	183		1										
		0	6	0	0	0	0	0	0	0	0	0	0
		<b>Total FY2017-2020</b>				<b>Total FY2021-2024</b>				<b>Total FY2025-2028</b>			
		6				0				0			

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

Est Let Date: 1/25/2018

**LIMITS** Over SEPTA and Cobbs Creek

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Haverford Township

**FC:** 17

AQ Code:S19

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** AECOM/C. Carmichael

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 7B

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:** N

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)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	STU	1,333											
CON	581	333											
CON	STU		2,333										
CON	581		583										
CON	STU			2,333									
CON	581			583									
CON	STU				3,333								
CON	581				833								
		1,666	2,916	2,916	4,166	0	0	0	0	0	0	0	0
		<b>Total FY2017-2020</b>				<b>Total FY2021-2024</b>				<b>Total FY2025-2028</b>			
		11,664				0				0			

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## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 15251** *US 1 and PA 352 Interchange, Intersection, and Roadway Improvements SR:0352*

**LIMITS** At PA 352/Middletown Road

Est Let Date: 3/17/2024

**IMPROVEMENT** Intersection/Interchange Improvements

MRPID:5

**MUNICIPALITIES:** Middletown Township

**FC:** 12; 14

AQ Code:R3

**PLAN CENTER:**

IPD: 3

**PROJECT MANAGER:** TSS/M. Fausto

**CMP:** Minor SOV Capacity

CMP Subcorridor(s): 5B

**PennDOT Class:** Safety Improvement

**PennDOT Improvement:** Safety Improvement

**NHPP:** Y

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. Pedestrian facilities will be included in improvements.

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	581	1,403											
FD	581		6,748										
FD	581				2,079								
FD	581					6,380							
FD	581							680					
ROW	NHPP					5,216							
ROW	581					1,304							
ROW	NHPP						5,216						
ROW	581						1,304						
ROW	NHPP							5,216					
ROW	581							1,304					
ROW	NHPP								5,216				
ROW	581								1,304				
UTL	581					3,940							
CON	STU								19,155				
CON	NHPP								1,619				
CON	581								7,233				
CON	NHPP									8,932			
CON	STU									8,158			
CON	581									2,233			
CON	NHPP										28,932		
CON	581										7,233		
CON	NHPP											28,932	
CON	581											7,233	
CON	NHPP												20,000
CON	581												5,000
		1,403	6,748	0	2,079	16,840	6,520	7,200	34,527	19,323	36,165	36,165	25,000
		Total FY2017-2020		10,230		Total FY2021-2024		65,087		Total FY2025-2028		116,653	

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## Pennsylvania - Highway Program (Status: TIP)

### Delaware

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

**Return**

**LIMITS** Over SEPTA Route 100 Rail Line

No Let Date

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Haverford Township; Upper Darby Township

**FC:**

AQ Code:S19

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** George Dunheimer ADE CONSTR      **CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 5E

**PennDOT Class:** Bridge Restoration

**PennDOT Improvement:** Bridge Restoration

**NHPP:** Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ROW	STP	0	0	0	0	0	0	0	0	0	0	0	0
		<b>Total FY2017-2020</b>				<b>Total FY2021-2024</b>				<b>Total FY2025-2028</b>			
		0				0				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: 2/1/2018

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Ridley Park Borough

**FC:** 17

AQ Code:S19

**PLAN CENTER:** Town Center

IPD: 1

**PROJECT MANAGER:** AECOM/C. Carmichael      **CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 6A

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:** N

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	STU	4,469											
CON	STP	971											
CON	581	1,360											
		<b>6,800</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>				<b>Total FY2021-2024</b>				<b>Total FY2025-2028</b>			
		6,800				0				0			

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## Pennsylvania - Highway Program (Status: TIP)

### Delaware

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

**LIMITS** OVER COBBS CREEK      : HAVERFORD TOWNSHIP      :

Est Let Date: 3/1/2018

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Haverford Township

**FC:** 17

AQ Code:S19

**PLAN CENTER:**

IPD: 0

**PROJECT MANAGER:** HNTB/N. Velaga

**CMP:** Not SOV Capacity Adding

**CMP Subcorridor(s):** 5C, 7B

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	185	424											
FD	185		717										
ROW	185			127									
UTL	STP			51									
UTL	185			12									
CON	STP				1,669								
CON	185				417								
		<b>424</b>	<b>717</b>	<b>190</b>	<b>2,086</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>				<b>Total FY2021-2024</b>				<b>Total FY2025-2028</b>			
		3,417				0				0			

**MPMS# 15406**      **PA 452, Market Street Bridge Over Northeast Corridor SR:0452**

**LIMITS** Over Amtrak/SEPTA Wilmington Newark Rail Line

Actl Let Date: 9/15/2016

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Lower Chichester Township; Marcus Hook Borough

**FC:** 14

AQ Code:S19

**PLAN CENTER:**

IPD: 4

**PROJECT MANAGER:** TSS/M. Saintval

**CMP:** Not SOV Capacity Adding

**CMP Subcorridor(s):** 6A

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:** Y

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.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	NHPP	250											
FD	185	63											
UTL	NHPP		2,607										
UTL	185		652										
UTL	NHPP			1,793									
UTL	185			448									
CON	NHPP	3,925											
CON	581	400											
CON	NHPP		161										
		<b>4,638</b>	<b>3,420</b>	<b>2,241</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>				<b>Total FY2021-2024</b>				<b>Total FY2025-2028</b>			
		10,299				0				0			

# DVRPC FY 2017-2020 TIP for PA

## 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

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:**

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 8A

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	185	55												
		55	0	0	0	0	0	0	0	0	0	0	0	
		<b>Total FY2017-2020</b>			55	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>			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: 9/26/2019

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Media Borough

**FC:**

AQ Code:S2

**PLAN CENTER:** Town Center

IPD: 3

**PROJECT MANAGER:** TSS/GANNETT/S. New

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 5D

**PennDOT Class:** Bridge Restoration

**PennDOT Improvement:** Bridge Restoration

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
ROW	183	45													
ROW	LOC	11													
UTL	183	45													
UTL	LOC	11													
CON	183					1,125									
CON	LOC					281									
		112	0	0	0	1,406	0	0	0	0	0	0	0		
<b>Total FY2017-2020</b>		112			<b>Total FY2021-2024</b>				1,406				<b>Total FY2025-2028</b>		0

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

**LIMITS** Over West Branch of Chester Creek

Est Let Date: 1/18/2019

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Aston Township

**FC:**

AQ Code:S19

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** TSS/GANNETT/S. New

**CMP:** Not SOV Capacity Adding

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

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 is 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CON	BOF		2,633												
CON	LOC		658												
CON	BOF					208									
CON	LOC					52									
		0	3,291	0	0	260	0	0	0	0	0	0	0		
<b>Total FY2017-2020</b>		3,291			<b>Total FY2021-2024</b>				260				<b>Total FY2025-2028</b>		0



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## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 47993**      **7th Street Bridge Over Chester Creek (CB#186) SR:7023**

**LIMITS** Over Chester Creek

Est Let Date: 1/11/2018

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Chester City

**FC:**

AQ Code:S19

**PLAN CENTER:**

IPD: 5

**PROJECT MANAGER:** TSS/S. New

**CMP:** Not SOV Capacity Adding

**CMP Subcorridor(s):** 2D, 4D, 6A

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

Major rehabilitation/superstructure replacement of this County-owned bridge in downtown Chester. This bridge currently has a 8 ton weight limit. This road segment is included in the Delaware County Bicycle Plan.

The existing bridge, built in 1920, is a 180-foot, two-span steel through-girder structure with stone masonry abutments, masonry retaining wall and two pier columns. This bridge is severely deteriorated and repairs to the bridge cannot restore its structural soundness. It will be replaced with a single span multi-girder structure, with concrete barriers and sidewalks. The substructure will consist of reinforced concrete cantilever abutments and U-shaped wing walls. The new structure will provide 12-foot wide travel lanes, with 4-foot wide shoulders through the project area. An 8-foot sidewalk will be located on both sides of the structure.

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	STP	5,582											
CON	179	1,395											
		<b>6,977</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>		<b>6,977</b>		<b>Total FY2021-2024</b>				<b>0</b>			
						<b>0</b>				<b>Total FY2025-2028</b>			
										<b>0</b>			

**MPMS# 48168**      **Baltimore Pike Signals SR:2016**

**Return**

**LIMITS** Bishop Avenue to US 13/Church Lane

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Clifton Heights Borough; East Lansdowne Borough; Lansdowne Boro

**FC:** 14

AQ Code:2025M

**PLAN CENTER:**

IPD: 3

**PROJECT MANAGER:** HNTB/G. Gumas

**CMP:** Minor SOV Capacity

**CMP Subcorridor(s):** 5E

**PennDOT Class:** Safety Improvement

**PennDOT Improvement:** Safety Improvement

**NHPP:** Y

The project consists of the upgrade and interconnection of 16 signalized intersections along a 3.2-mile multi-lane state route to enhance motor vehicle flow along the corridor. Signalization improvements will specifically involve full modernization of intersection signalization equipment. Existing equipment will be removed and replaced by new equipment including signal supports, traffic controllers, signal heads and all electrical equipment including wires and conduit

This road segment is included in the Delaware County Bicycle Plan. SEPTA 107 and 109 bus routes use this road.

Intersections in the project are Baltimore and the following cross streets: Bishop, Delmar/Home Depot, Oak, Church Street, Springfield, Diamond, SEPTA Route 102, Marple, Jackson/K-Mart, Scottdale/Burmout, Martin/Mansfield, Lansdowne, Wycombe, Union, Giant, Penn/Fourth, and Church Lane. Also, on Springfield the following cross streets: Broadway, West Madison and Woodlawn.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	TOLL												
FD	CAQ	50											
		<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>		<b>50</b>		<b>Total FY2021-2024</b>				<b>0</b>			
						<b>0</b>				<b>Total FY2025-2028</b>			
										<b>0</b>			

# DVRPC FY 2017-2020 TIP for PA

## 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: 8/15/2019

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Ridley Township; Rutledge Borough

**FC:** 16

AQ Code:R1

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** Gannett/B. Masi

**CMP:** Minor SOV Capacity

CMP Subcorridor(s): 5C

**PennDOT Class:** Safety Improvement

**PennDOT Improvement:** Safety Improvement

**NHPP:** N

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	TOLL												
CON	CAQ			69									
CON	TOLL				3,756								
CON	CAQ												
		0	0	69	3,756	0	0	0	0	0	0	0	0
		<b>Total FY2017-2020</b>		<b>3,825</b>		<b>Total FY2021-2024</b>			<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

# DVRPC FY 2017-2020 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

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

**Return**

**LIMITS** Over Chester Creek

No Let Date

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Aston Township

**FC:**

AQ Code:S19

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** TSS/GANNETT/S. New

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 5B

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028			
FD	BOF															
ROW	BOF															
		0	0	0	0	0	0	0	0	0	0	0	0			
		<b>Total FY2017-2020</b>				0	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>				0

# DVRPC FY 2017-2020 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: 5/24/2018

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Chester City

**FC:**

AQ Code:S19

**PLAN CENTER:**

IPD: 5

**PROJECT MANAGER:** TSS/GANNETT/S. New

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 4D, 6A

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

The Lloyd Street Bridge, which was constructed in 1899, is in poor condition. This bridge, which serves the industrial waterfront is currently closed to traffic. The pedestrian walkways have been closed due to holes in the decking. This project will remove the existing bridge. A separate project will provide for a replacement bridge in the future.

### TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CON	BOF			1,800											
CON	183			337											
CON	LOC			112											
CON	BOF				1,800										
CON	183				337										
CON	LOC				112										
		0	0	2,249	2,249	0	0	0	0	0	0	0	0		
				<b>Total FY2017-2020</b>	<b>4,498</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>				<b>0</b>

# DVRPC FY 2017-2020 TIP for PA

## 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: 7/13/2017

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Collingdale Borough; Glenolden Borough

**FC:** 14

AQ Code:2020M

**PLAN CENTER:**

IPD: 5

**PROJECT MANAGER:** TSS/H. Freed

**CMP:** Minor SOV Capacity

CMP Subcorridor(s): 6A

**PennDOT Class:** Congestion Reduction

**PennDOT Improvement:** Congestion Reduction

**NHPP:** Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	CAQ		40										
CON	TOLL												
CON	CAQ	6,190											
		<b>6,190</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>		<b>6,230</b>		<b>Total FY2021-2024</b>				<b>0</b>			
						<b>Total FY2025-2028</b>				<b>0</b>			

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

MPMS# 64791 PA 420, Kedron Avenue SR:0420

LIMITS At Franklin Avenue

Est Let Date: 6/21/2018

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Ridley Township

FC: 14

AQ Code:R1

PLAN CENTER:

IPD: 2

PROJECT MANAGER: Plans/C. Veiga

CMP: Minor SOV Capacity

CMP Subcorridor(s): 5C

PennDOT Class: Safety Improvement

PennDOT Improvement: Safety Improvement

NHPP: Y

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. Pedestrian Hand/Man signals with countdown indicators will be provided at each crossing. 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
UTL	TOLL													
UTL	CAQ	6												
CON	TOLL													
CON	CAQ			862										
		6	0	862	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			868	Total FY2021-2024				0	Total FY2025-2028			0

# DVRPC FY 2017-2020 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: 5/16/2019

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Pennsbury Township; Chadds Ford Township

**FC:** 17

AQ Code:S19

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** TSS/S. Fellin

**CMP:** Not SOV Capacity Adding

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:** N

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	STU	717											
FD	581	179											
ROW	STU		239										
ROW	581		60										
UTL	STU			101									
UTL	581			26									
CON	STU					4,617							
CON	581					1,154							
CON	STU						4,617						
CON	581						1,154						
CON	STU							4,617					
CON	581							1,154					
		<b>896</b>	<b>299</b>	<b>127</b>	<b>0</b>	<b>5,771</b>	<b>5,771</b>	<b>5,771</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>		<b>1,322</b>		<b>Total FY2021-2024</b>		<b>17,313</b>		<b>Total FY2025-2028</b>		<b>0</b>	

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

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

Return

LIMITS US 1 to West of CSX Railroad bridge

Actl Let Date: 7/28/2016

IMPROVEMENT Other

MRPID:50

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

AQ Code:S2

PLAN CENTER:

IPD: 0

PROJECT MANAGER: TSS/P. Berthold

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 8A

PennDOT Class: Additional Lanes

PennDOT Improvement: Additional Lanes

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	SXF	759												
		759	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			759	Total FY2021-2024				0	Total FY2025-2028			0



# DVRPC FY 2017-2020 TIP for PA

## 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

ctl Let Date: 12/22/2016

IMPROVEMENT Roadway New Capacity

MRPID:50

MUNICIPALITIES: Concord Township

FC: 14

AQ Code:2025M

PLAN CENTER:

IPD: 2

PROJECT MANAGER: TSS/P. Berthold

CMP: Major SOV Capacity

CMP Subcorridor(s): 5B, 8A

PennDOT Class: Additional Lanes

PennDOT Improvement: Additional Lanes

NHPP: Y

The project involves widening SR 322 (currently two lanes) to a four lane typical section with a grassy median strip 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	NHPP	21,120												
CON	581	5,280												
CON	NHPP		22,056											
CON	581		5,514											
CON	NHPP			11,951										
CON	581			2,988										
		<b>26,400</b>	<b>27,570</b>	<b>14,939</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total FY2017-2020</b>			<b>68,909</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

# DVRPC FY 2017-2020 TIP for PA

## 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: 1/17/2019

**IMPROVEMENT** Roadway New Capacity

MRPID:50

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

AQ Code:2035M

**PLAN CENTER:**

IPD: 2

**PROJECT MANAGER:** TSS/P. Berthold

**CMP:** Major SOV Capacity

CMP Subcorridor(s): 8A

**PennDOT Class:** Additional Lanes

**PennDOT Improvement:** Additional Lanes

**NHPP:** Y

The project involves widening and improving SR 322 to a four lane typical section with a grassy median strip 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ROW	NHPP	5,658											
ROW	581	1,414											
ROW	NHPP			5,658									
ROW	581			1,414									
ROW	NHPP				5,658								
ROW	581				1,414								
UTL	NHPP					4,872							
UTL	581					1,218							
CON	NHPP												
CON	SXF												
CON	581												
CON	NHPP					12,106							
CON	581					3,026							
CON	STP											1,345	
CON	NHPP											3,072	
CON	581											1,104	

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

CON	NHPP							299					
CON	581							74					
CON	NHPP								31,618				
CON	581								10,662				
CON	NHPP									31,618			
CON	581									7,904			
CON	NHPP										48,208		
CON	581										12,052		
		7,072	0	7,072	22,040	21,222	0	5,521	373	42,280	39,522	60,260	0
		<b>Total FY2017-2020</b>		36,184		<b>Total FY2021-2024</b>		27,116		<b>Total FY2025-2028</b>		142,062	

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

**LIMITS** Darby Creek to Wanamaker Avenue

Actl Let Date: 3/10/2016

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Tincum Township

**FC:**

AQ Code:A2

**PLAN CENTER:**

IPD: 2

**PROJECT MANAGER:** EE/DVRPC/J. Coscia

**CMP:** Not SOV Capacity Adding

**CMP Subcorridor(s):** 4C, 6A

**PennDOT Class:** Bicycle/Pedestrian

**PennDOT Improvement:** Bicycle/Pedestrian

**NHPP:**

Construction of the East Coast Greenway in Tincum 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 Tincum-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 Tincum 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-foot 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 to the 2013 American Community Survey.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	CAQ	779											
		779	0	0	0	0	0	0	0	0	0	0	0
		<b>Total FY2017-2020</b>		779		<b>Total FY2021-2024</b>		0		<b>Total FY2025-2028</b>		0	

# DVRPC FY 2017-2020 TIP for PA

## 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: 4/26/2018

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Ridley Township

**FC:** 11; 14

AQ Code:R2

**PLAN CENTER:**

IPD: 3

**PROJECT MANAGER:** AECOM/K. Caparra

**CMP:** Minor SOV Capacity

CMP Subcorridor(s): 2D, 6A

**PennDOT Class:** Highway Restoration

**PennDOT Improvement:** Highway Restoration

**NHPP:** Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
FD	581	182												
FD	STU		560											
FD	581		140											
CON	NHPP	76												
CON	STP	3,106												
CON	581	795												
CON	STU			3,182										
CON	581			795										
		<b>4,159</b>	<b>700</b>	<b>3,977</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total FY2017-2020</b>			<b>8,836</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

# DVRPC FY 2017-2020 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

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

**Return**

**LIMITS** 2nd Street, Poolsen Avenue to 4th Avenue

Actl Let Date: 3/10/2016

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Tincum Township

**FC:**

AQ Code:A2

**PLAN CENTER:**

IPD: 2

**PROJECT MANAGER:** EE/DVRPC/J. Coscia

**CMP:** Not SOV Capacity Adding

**CMP Subcorridor(s):** 4C, 6B

**PennDOT Class:** Transportation Enhancement

**PennDOT Improvement:** Transportation Enhancement

**NHPP:**

Construction of the East Coast Greenway in Tincum 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 Tincum-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 Tincum 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	STU	775												
		775	0	0	0	0	0	0	0	0	0	0	0	
		<b>Total FY2017-2020</b>			<b>775</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

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

**Return**

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

Actl Let Date: 6/18/2015

**IMPROVEMENT** Streetscape

**MUNICIPALITIES:** Chester City

**FC:**

AQ Code:A2

**PLAN CENTER:**

IPD: 4

**PROJECT MANAGER:** George Dunheimer ADE CONSTR **CMP:** Not SOV Capacity Adding

**CMP Subcorridor(s):** 2D, 4D, 6A

**PennDOT Class:** Home Town Streets

**PennDOT Improvement:** Home Town Streets

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	STP	68												
CON	STU	28												
CON	STU		60											
		96	60	0	0	0	0	0	0	0	0	0	0	
		<b>Total FY2017-2020</b>			<b>156</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 79329**      **Bridgewater Road Extension**

**LIMITS** Concord Road to PA 452/US 322

Est Let Date: 12/12/2024

**IMPROVEMENT** Roadway New Capacity

MRPID:117

**MUNICIPALITIES:** Aston Township; Chester Township; Upper Chichester Township

**FC:** 14; 17

AQ Code:2035M

**PLAN CENTER:**

IPD: 2

**PROJECT MANAGER:** TSS/P. Berthold

**CMP:** Major SOV Capacity

CMP Subcorridor(s): 8A

**PennDOT Class:** New Alignment

**PennDOT Improvement:** New Alignment

**NHPP:** Y

The existing Bridgewater Road (SR 3018), which currently ends in the Bridgewater Business Park west of Concord Road (SR 3007), would be extended to connect with either PA 452 or US 322 through Chester, Upper Chichester, and Aston Townships. This project would provide a more direct truck route between two industrial parks (Bridgewater Business Park and I-95 Industrial Park), I-95, and US 322. Currently, truck drivers must navigate a circuitous route (Concord and Bethel Roads) with difficult turns and drive through a low-income residential neighborhood and by a school. The residential community along Bethel Road in Chester City and Chester Township is subject to a heavy volume of truck traffic, which should be directed onto another route. The other potential truck route goes well to the north and involves an intersection which is physically constrained and difficult/impossible for truck turns. Preliminary engineering for the new road, which would be about one mile long, was begun by PennDOT in 2007 and terminated shortly thereafter. This project complements and was a breakout project of MPMS 15477 (I-95/US 322/Highland Avenue interchange)."

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	581		1,093											
FD	581						1,230							
ROW	581							950						
UTL	STU							760						
UTL	581							190						
CON	STU								15,657					
CON	581								3,914					
		0	1,093	0	0	0	1,230	1,900	19,571	0	0	0	0	
		<b>Total FY2017-2020</b>		<b>1,093</b>		<b>Total FY2021-2024</b>			<b>22,701</b>			<b>Total FY2025-2028</b>		<b>0</b>

# DVRPC FY 2017-2020 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: 9/14/2017

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Middletown Township; Aston Township

**FC:**

AQ Code:S19

**PLAN CENTER:**

IPD: 2

**PROJECT MANAGER:** TSS/GANNETT/S. New

**CMP:** Not SOV Capacity Adding

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

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.

The structure is in overall serious condition with noticeable vibration under vehicular traffic and is currently posted with a 30-ton weight restriction. The bridge superstructure consists of a cast in place reinforced concrete closed spandrel arch exhibiting heavy cracking, rust staining and efflorescence. The bridge substructure consists of reinforced concrete abutments and U-shaped wing walls and exhibits rotation due to heavy scouring as well as cracking throughout. Substandard safety features include improper post spacing of the guiderail, improper or lack of a connection between the guiderail and parapet, and the limited sight distance on the north approach due to the existing parapet. It will be replaced with a single span composite steel multi-girder bridge, with a 109'-9" clear span. The new bridge will have an increased hydraulic opening which will decrease the water surface elevation of the 100-year flood. The proposed abutments will be located outside the existing streambed. The bridge approaches will be reconstructed to provide an 11-foot wide travel lane in each direction with 5-foot wide shoulders.

**TIP Program Years (\$ 000)**

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
UTL	BOF	45												
UTL	179	12												
CON	BOF	2,122												
CON	179	530												
		<b>2,709</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total FY2017-2020</b>			<b>2,709</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

# DVRPC FY 2017-2020 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

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

**LIMITS** Over Hermesprot Creek

Est Let Date: 8/9/2018

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Darby Township; Folcroft Borough

**FC:**

AQ Code:S19

**PLAN CENTER:**

IPD: 4

**PROJECT MANAGER:** TSS/GANNETT/S. New

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 6A

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:**

This project involves replacing or rehabilitating a single span, concrete slab bridge located in Folcroft Borough and Darby Township.

The existing bridge, built in 1932, is a 25-foot single-span bridge with a 16'-11" clear span. The bridge superstructure consists of a reinforced concrete slab with reinforced concrete parapets exhibiting heavy cracking, efflorescence and spalling throughout. The bridge substructure consists of reinforced concrete abutments and U-shaped wing walls exhibiting severe spalling, moderate to heavy efflorescence and cracking throughout. The bridge is considered "structurally deficient," limiting its load carrying capacity to a maximum of 18 tons except combination loads of 24 tons. The bridge will be replaced with a 28-foot single-span composite pre-stressed concrete adjacent plank beam bridge. The new structure will have a wider clear span of 17'-9" locating the proposed abutments outside of the existing waterway. The new bridge will have an increased hydraulic opening which will decrease the water surface elevation of the 100-year flood. Tribbett Avenue will be reconstructed to provide one 11-foot wide travel lane in each direction. A 4-foot wide shoulder will be provided on the upstream side of the bridge and a 2-foot wide shoulder on the downstream side.

		TIP Program Years (\$ 000)														
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028			
UTL	BOF	47														
UTL	179	12														
CON	BOF	1,987														
CON	179	497														
		<b>2,543</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			
		<b>Total FY2017-2020</b>			<b>2,543</b>				<b>Total FY2021-2024</b>				<b>0</b>			
									<b>Total FY2025-2028</b>				<b>0</b>			

**MPMS# 88400** *US 1, Chester County Line to Pole Cat Road*

**Return**

**LIMITS** Delaware County

No Let Date

**IMPROVEMENT** Roadway Rehabilitation

**MUNICIPALITIES:**

**FC:** 12; 14

AQ Code:S10

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Plans/C. Veiga

**CMP:**

**PennDOT Class:** Highway Restoration

**PennDOT Improvement:** Highway Restoration

**NHPP:** Y

Delaware County Route 1 Paving and ADA Ramp Reconstruction

		TIP Program Years (\$ 000)														
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028			
PE	581	50														
FD	581		50													
UTL	581		15													
CON	STU					3,400										
CON	581					850										
CON	STU						3,400									
CON	581						850									
		<b>50</b>	<b>65</b>	<b>0</b>	<b>0</b>	<b>4,250</b>	<b>4,250</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			
		<b>Total FY2017-2020</b>			<b>115</b>				<b>Total FY2021-2024</b>				<b>8,500</b>			
									<b>Total FY2025-2028</b>				<b>0</b>			



# DVRPC FY 2017-2020 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

MPMS# 90128 PA252 o/ Springton Reservoir (Bridge)

LIMITS Delaware County, SR 252

Est Let Date: 9/27/2018

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Upper Providence Township; Marple Township

FC: 14

AQ Code:S19

PLAN CENTER:

IPD: 2

PROJECT MANAGER: TSS/M. Saintval

CMP:

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: Y

Replacement of the PA 252 (Palmer's Mill Road) Bridge over Crum Creek at Springton Reservoir in Marple and Upper Providence Townships, Delaware County.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ROW	TOLL												
ROW	NHPP	125											
UTL	TOLL												
UTL	STP	250											
CON	185		1,788										
CON	581		2,010										
CON	581			2,151									
CON	581				5,370								
CON	581					299							
CON	581						4,531						
		375	3,798	2,151	5,370	299	4,531	0	0	0	0	0	0
		Total FY2017-2020		11,694		Total FY2021-2024		4,830		Total FY2025-2028			0

# DVRPC FY 2017-2020 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: 9/26/2019

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Tinicum Township; Prospect Park Borough

**FC:** 14

AQ Code:S19

**PLAN CENTER:** Town Center

IPD: 3

**PROJECT MANAGER:** TSS/M. Saintval

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 6A

**PennDOT Class:** Bridge Replacement

**PennDOT Improvement:** Bridge Replacement

**NHPP:** Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ROW	STP		278										
ROW	581		70										
UTL	STP		287										
UTL	581		72										
CON	TOLL												
CON	NHPP												
CON	NHPP				700								
CON	NHPP					6,637							
CON	185					1,159							
CON	NHPP						1,211						
CON	NHPP							1,476					
CON	581								409				
		0	707	0	700	7,796	1,211	1,476	409	0	0	0	0
		<b>Total FY2017-2020</b>		<b>1,407</b>		<b>Total FY2021-2024</b>		<b>10,892</b>		<b>Total FY2025-2028</b>			<b>0</b>

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

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

**LIMITS** Between Cobbs Creek Parkway and 69th Street

Est Let Date: 12/8/2022

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Upper Darby Township

**FC:** 16

AQ Code:S19

**PLAN CENTER:**

IPD: 6

**PROJECT MANAGER:** HNTB/N. Velaga

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 10A

**PennDOT Class:** Bridge Restoration

**PennDOT Improvement:** Bridge Restoration

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	185	401											
PE	185		129										
FD	185		820										
ROW	STP			45									
ROW	185			11									
UTL	STP				93								
UTL	185				23								
CON	581					710							
CON	185					1,845							
CON	185						627						
CON	185							794					
CON	581								5,248				
		<b>401</b>	<b>949</b>	<b>56</b>	<b>116</b>	<b>0</b>	<b>2,555</b>	<b>627</b>	<b>6,042</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>		<b>1,522</b>		<b>Total FY2021-2024</b>		<b>9,224</b>		<b>Total FY2025-2028</b>		<b>0</b>	

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 95429**      **US 202 and US 1 Loop Road**

**LIMITS** Completion of Hillman Drive

Est Let Date: 8/13/2019

**IMPROVEMENT** Roadway New Capacity

MRPID:123

**MUNICIPALITIES:** Chadds Ford Township

**FC:** 14

AQ Code:2025M

**PLAN CENTER:**

IPD: 2

**PROJECT MANAGER:** Gannett/V. Genua

**CMP:** Major SOV Capacity

CMP Subcorridor(s): 5B, 8A

**PennDOT Class:** New Alignment

**PennDOT Improvement:** New Alignment

**NHPP:** Y

The project completes the loop road on the 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, northwest, and southeast quadrants have the existing completed loop roads, State Farm Drive, Brandywine Drive, and Applied Card Way, respectively. See MPMS 105131 for Applied Card Way. 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, as well as improvements to intersection of Route 202/State Farm Drive/Brandywine Drive, are 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 2013-2014 memorandum on supplemental strategies for details related to this project.

### TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	STP	424											
FD	581	106											
ROW	STP		437										
ROW	581		109										
UTL	TOLL												
UTL	STP			563									
CON	STU					1,829							
CON	STP					139							
CON	581					492							
		530	546	563	0	0	2,460	0	0	0	0	0	0
		<b>Total FY2017-2020</b>		<b>1,639</b>		<b>Total FY2021-2024</b>		<b>2,460</b>		<b>Total FY2025-2028</b>		<b>0</b>	

# DVRPC FY 2017-2020 TIP for PA

## 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  
**PLAN CENTER:** IPD: 3  
**PROJECT MANAGER:** TSS/S. New **CMP:** Not SOV Capacity Adding **CMP Subcorridor(s):** 6A  
**PennDOT Class:** Bridge Replacement **PennDOT Improvement:** Bridge Replacement **NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	183	0	0	0	0	0	0	0	0	0	0	0	0
		<b>Total FY2017-2020</b>				<b>Total FY2021-2024</b>				<b>Total FY2025-2028</b>			
		0				0				0			

# DVRPC FY 2017-2020 TIP for PA

## 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

PLAN CENTER: IPD: 5

PROJECT MANAGER: TSS/S. New CMP: Not SOV Capacity Adding CMP Subcorridor(s): 5E

PennDOT Class: Bridge Restoration PennDOT Improvement: Bridge Restoration NHPP:

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.

Delaware County Bridge #149, originally built in 1928, is a 92 foot two-span reinforced concrete T-beam bridge. The County is taking proactive action by replacing Hilldale Road Bridge due to the rapid deterioration of T-beam bridges in recent years. A lightly vegetated island is located downstream of the pier, and the east downstream banks are lined with gabion baskets that extend approximately 300 feet downstream. The island is forcing the flow towards the adjacent embankment. A traffic count performed in 2009 indicates an average daily traffic (ADT) of 2,379 vehicles per day.

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
FD	183	183												
FD	LOC	46												
FD	183		183											
FD	LOC		46											
		<b>229</b>	<b>229</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total FY2017-2020</b>			<b>458</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**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

**PLAN CENTER:** IPD: 2

**PROJECT MANAGER:** TSS/S. New **CMP:** Not SOV Capacity Adding **CMP Subcorridor(s):** 6A

**PennDOT Class:** Bridge Restoration **PennDOT Improvement:** Bridge Restoration **NHPP:**

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.

Built in 1927, the existing South Avenue Bridge is a single span reinforced concrete slab bridge. The parapets over the structure are forty-inch high pigeonhole parapets with forty-inch high solid concrete parapets over the wing walls. The concrete structure has an overall span length of 20 feet with a weight restriction of 13 tons, except combinations of 24 tons. The bridge carries two lanes of traffic over Muckinipattis Creek and has a curb-to-curb width of 32 feet with 7' sidewalks on both the upstream and downstream sides. South Avenue approaching the structure has a 32 foot wide cartway with 6-inch curb and 4-foot sidewalk between Ridgeway Ave and Chester Pike (SR 13). There is existing sidewalk along South Avenue on the downstream side of the structure providing pedestrian access to Chester Pike, the sidewalk on the upstream side of the structure ends at the limits of the parapet wall.

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	183	356											
PE	LOC	89											
FD	183	320											
FD	LOC	80											
		<b>845</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>	<b>845</b>			<b>Total FY2021-2024</b>	<b>0</b>			<b>Total FY2025-2028</b>	<b>0</b>		

# DVRPC FY 2017-2020 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 99668 PA 291 Drainage Improvement**

**New**

**LIMITS** Between Crum Creek and Darby Creek

No Let Date

**IMPROVEMENT**

**MUNICIPALITIES:** Tinicum Township; Eddystone Borough; Ridley Park Borough

**FC:**

AQ Code:X13

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Plans/S. Hasan

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project will fund drainage improvements on PA 291 from the bridge over Crum Creek to the bridge over Darby Creek, including the installation of new inlets and pipes, and construction of ditches to alleviate the existing flooding of the roadway. The existing pavement will be milled and overlaid. Base repairs will be completed as necessary to repair damage to the roadway from previous flooding.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	581	75												
FD	581		15											
ROW	581			75										
UTL	581			50										
CON	TOLL					1,000								
CON	STU													
		75	15	125	0	1,000	0	0	0	0	0	0	0	
		Total FY2017-2020			215	Total FY2021-2024				1,000	Total FY2025-2028			0

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

**LIMITS**

Actl Let Date: 3/23/2017

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Swarthmore Borough

**FC:**

AQ Code:A2

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** EE/DVRPC/K. Lawrence

**CMP:**

**PennDOT Class:** Transportation Enhancement

**PennDOT Improvement:** Transportation Enhancement

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TOLL													
CON	TAU	510												
CON	TOLL													
CON	TAU		100											
		510	100	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			610	Total FY2021-2024				0	Total FY2025-2028			0



# DVRPC FY 2017-2020 TIP for PA

## 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

**PLAN CENTER:** Town Center

IPD: 2

**PROJECT MANAGER:** EE/DVRPC/K. Lawrence **CMP:** Not SOV Capacity Adding

**PennDOT Class:** Transportation Enhancement **PennDOT Improvement:** Transportation Enhancement

**NHPP:**

Construct an enhanced crosswalk across W. Dupont Street 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TOLL													
CON	TAU		530											
		0	530	0	0	0	0	0	0	0	0	0	0	
		<b>Total FY2017-2020</b>			530	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>			0

**MPMS# 103216 Jansen Avenue Grade Crossing**

**LIMITS** Between PA 291 and Old Tincum Island Road No Let Date

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Tincum Township

**FC:**

AQ Code:S8

**PLAN CENTER:**

IPD: 3

**PROJECT MANAGER:** MAL/M. Lang **CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 4C, 6A

**PennDOT Class:** Rail Highway Grade Crossing **PennDOT Improvement:** Rail Highway Grade Crossing

**NHPP:**

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	RRX*				273									
		0	0	0	273	0	0	0	0	0	0	0	0	
		<b>Total FY2017-2020</b>			273	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>			0

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 103217**    *Main Street Grade Crossing*

**LIMITS** Between 5th and 7th Streets

Est Let Date: 12/15/2018

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Darby Borough

**FC:**

AQ Code:S8

**PLAN CENTER:** Town Center

IPD: 5

**PROJECT MANAGER:** Gannett/S. New

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 6A

**PennDOT Class:** Rail Highway Grade Crossing

**PennDOT Improvement:** Rail Highway Grade Crossing

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	581		811										
FD	581			580									
FD	STU												
FD	581									134			
ROW	581												
UTL	581	50											
UTL	STP							2,610					
UTL	581							652					
CON	TOLL												
CON	RRX				228								
CON	TOLL												
CON	RRX					100							
CON	STU											9,980	
		50	811	580	228	100	0	0	3,262	134	0	9,980	0
		Total FY2017-2020			1,669	Total FY2021-2024			3,362	Total FY2025-2028			10,114

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 104308** *Walkable Wallingford - Copples Lane Sidewalk*

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

No Let Date

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Nether Providence Township

**FC:**

AQ Code:A2

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** EE/DVRPC/K. Lawrence

**CMP:**

**PennDOT Class:** Transportation Enhancement

**PennDOT Improvement:** Transportation Enhancement

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	TAU												
		0	0	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020			0	Total FY2021-2024			0	Total FY2025-2028			0

# DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

## Delaware

MPMS# 104343 US 322 over CSX

New-B

LIMITS I-95 Interchange to PA 452 Interchange

Est Let Date: 6/7/2018

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Upper Chichester Township

FC:

AQ Code:S19

PLAN CENTER:

IPD: 2

PROJECT MANAGER: TSS/P. Berthold

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Replacement of the bridge carrying SR 322 over CSX and Bethel Road.

### TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	NHPP	1,122											
PE	TOLL												
PE	TOLL												
PE	NHPP		1,000										
FD	NHPP			1,126									
FD	TOLL												
ROW	581					920							
ROW	581						274						
UTL	NHPP					1,194							
CON	STU							16,257					
CON	STP							170					
CON	TOLL												
CON	NHPP								2,998				
CON	TOLL												
CON	TOLL												
CON	STP												12,244
		1,122	1,000	1,126	0	2,114	274	16,427	2,998	0	0	0	12,244
		Total FY2017-2020			3,248	Total FY2021-2024			21,813	Total FY2025-2028			12,244

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

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

**LIMITS** Between PA3 and Lawrence Road

No Let Date

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Haverford Township; Marple Township

**FC:**

AQ Code:2020M

**PLAN CENTER:**

IPD: 3

**PROJECT MANAGER:** TSS/T. Stevenson

**CMP:**

**PennDOT Class:** Congestion Reduction

**PennDOT Improvement:** Congestion Reduction

**NHPP:** Y

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.) signaling 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.) signaling 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	e581	1,000												
CON	OTH	961												
CON	e581		1,000											
		<b>1,961</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total FY2017-2020</b>			<b>2,961</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

**MPMS# 104610** *Erickson Avenue Grade Crossing*

**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

**PLAN CENTER:**

IPD: 3

**PROJECT MANAGER:** MAL/M. Lang

**CMP:** Not SOV Capacity Adding

**CMP Subcorridor(s):** 4C, 6A

**PennDOT Class:** Rail Highway Grade Crossing

**PennDOT Improvement:** Rail Highway Grade Crossing

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	RRX				218									
		<b>0</b>	<b>0</b>	<b>0</b>	<b>218</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total FY2017-2020</b>			<b>218</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 105074** *Chester Safety Cameras*

**LIMITS** Chester City

No Let Date

**IMPROVEMENT** Streetscape

**MUNICIPALITIES:** Chester City

**FC:**

AQ Code:S6

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** HNTB/A. Kim

**CMP:**

**PennDOT Class:** MultiModal

**PennDOT Improvement:** MultiModal

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
UTL	411	147												
UTL	LOC	53												
CON	411			147										
CON	LOC			394										
		<b>200</b>	<b>0</b>	<b>541</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total FY2017-2020</b>			<b>741</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

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

**Return**

**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

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** HNTB/A. Kim

**CMP:**

**PennDOT Class:** MultiModal

**PennDOT Improvement:** MultiModal

**NHPP:** Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	411	57												
ROW	411	833												
UTL	411	184												
CON	LOC	1,591												
		<b>2,665</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
		<b>Total FY2017-2020</b>			<b>2,665</b>	<b>Total FY2021-2024</b>				<b>0</b>	<b>Total FY2025-2028</b>			<b>0</b>

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 105656**    *Traffic Signal Pedestrian Accommodations - (Aston Twp)*

**New**

**LIMITS** 12 signalized intersection within Aston Twp

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Aston Township

**FC:**

AQ Code:S6

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

Aston Township seeks to improve safety and mobility at the following twelve (12) signalized intersections within the Township. All pedestrian crossings will be upgraded by installing high visibility ladder style crosswalks. Locations that utilize 8-inch signal heads or outdated Walk/Don't Walk heads for pedestrian control will be upgraded with LED countdown pedestrian signal heads, and several deficient locations will receive ADA compliant ramps and pedestrian push buttons. Faded or missing pavement markings within the signalized intersections will be improved with thermoplastic markings to improve visibility and durability, and missing signs will be replaced and various signage will be relocated to provide better protection from future knockdowns (i.e. placed overhead).

		<b>TIP Program Years (\$ 000)</b>											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	A-073	9											
FD	LOC	9											
CON	A-073	123											
CON	LOC	123											
		<b>264</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>				<b>Total FY2021-2024</b>				<b>Total FY2025-2028</b>			
		<b>264</b>				<b>0</b>				<b>0</b>			

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 105657 Brookhaven Borough Traffic Improvements**

**New**

**LIMITS** Multiple Intersections in the Borough

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Brookhaven Borough

**FC:**

AQ Code:NRS

**PLAN CENTER:**

IPD: 2

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

Brookhaven Borough will upgrade all intersections to include generator transfer switches, battery back up units, upgraded pedestrian crossing mechanisms, GPS time reference units, and modernizing intersections based on future growth. The current intersections are in need of improvements to ensure they meet all PennDot standards. All intersections in the Borough will be equipped with battery backup systems to prevent loss of traffic signals during emergency situations. Intersections lack GPS timing mechanisms and need to have their timing adjusted to match PennDot approved timing. Installing pre-emption systems and video detection systems will improve the flow of traffic at critical intersections. Pedestrian push button mechanisms will be upgraded to ensure future operation.

The intersections are: Bridgewater Rd & Brookhaven Rd, Edgmont Ave & Brookhaven Rd, Edgmont Ave & Dutton Mill Rd, Edgmont Ave & Roberts Rd, Edgmont Ave & Trimble Blvd, Edgmont Ave & Whiteley Rd, Edgmont Ave & Coebourn Blvd.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
PE	A-073	24													
PE	LOC	24													
FD	A-073	24													
FD	LOC	24													
CON	A-073	176													
CON	LOC	176													
		448	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2017-2020			448	Total FY2021-2024				0	Total FY2025-2028				0

**MPMS# 105658 Signal Upgrades at Route 202 & Brinton's Bridge**

**New**

**LIMITS** Intersection of Wilmington Pike (Route 202) & Brinton's Bridge/Dilworthtown Roads

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Chadds Ford Township

**FC:**

AQ Code:NRS

**PLAN CENTER:**

IPD: 0

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

Install 4 new video detection cameras to replace 6 stop bar vehicle loop detectors; Replace outdated controller with a new one; and install battery backup unit by-pass switch, batteries, cables and red LED indicator. Deteriorating road surface conditions on Route 202 have caused loop failure. Also, this critical intersection located on a major corridor, needs to always be operable. The plan is to install a battery backup unit and to update an aged controller (which can no longer be serviced).

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CON	A-073	9													
CON	LOC	10													
		19	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2017-2020			19	Total FY2021-2024				0	Total FY2025-2028				0



# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 105659**    **Traffic Signal Pedestrian Accommodations - (Concord Twp)**

**New**

**LIMITS** Various locations in Concord Township

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Concord Township

**FC:**

AQ Code:S6

**PLAN CENTER:**

IPD: 2

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

Concord Township seeks to improve safety and mobility at the following fourteen (14) signalized intersections within the Township. All pedestrian crossings will be upgraded by installing high visibility ladder style crosswalks. Locations that utilize 8-inch signal heads for pedestrian control will be upgraded with LED countdown pedestrian signal heads, and several deficient locations will receive ADA compliant ramps and pedestrian push buttons. Faded or missing pavement markings within the signalized intersections will be improved with thermoplastic markings to improve visibility and durability, and missing signs will be replaced and various signage will be relocated to provide better protection from future knockdowns (i.e. placed overhead).

TIP Program Years (\$ 000)															
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
FD	A-073	6													
FD	LOC	7													
CON	A-073	87													
CON	LOC	87													
		<b>187</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		<b>Total FY2017-2020</b>			<b>187</b>				<b>Total FY2021-2024</b>				<b>0</b>		
						<b>0</b>				<b>Total FY2025-2028</b>				<b>0</b>	

**MPMS# 105660**    **West Chester Pike LED Replacement**

**New**

**LIMITS** Route 3 & North Crum Creek Road

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Edgmont Township

**FC:**

AQ Code:NRS

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

Edgmont Township will upgrade two existing traffic signal intersections on Route 3 (West Chester Pike) from the existing incandescent light fixtures to efficient LED modules, including the existing pedestrian crossing signals. Both intersection traffic signals have mostly incandescent bulbs. Replacement of all remaining incandescent bulbs would be extremely cost effective, but due to financial constraints, it has not been completed. This grant will provide funding to replace all remaining incandescent bulbs to match the rest of the traffic lights in the Township, and greatly reduce monthly financial cost.

TIP Program Years (\$ 000)															
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CON	A-073	3													
CON	LOC	3													
		<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		
		<b>Total FY2017-2020</b>			<b>6</b>				<b>Total FY2021-2024</b>				<b>0</b>		
						<b>0</b>				<b>Total FY2025-2028</b>				<b>0</b>	

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 105661** *MacDade Blvd and Kedron Avenue*

**New**

**LIMITS** Multiple intersections along MacDade Blvd and Kedron Ave.

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Ridley Township

**FC:**

AQ Code:S6

**PLAN CENTER:**

IPD: 5

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

Ridley Township wants to upgrade six existing traffic signal intersections along MacDade Blvd and Kedron Avenue to replace existing crosswalk aids with LED pedestrian crosswalk lighting systems. The intersections currently use pedestrian push buttons without pedestrian signals for intersection crossings. These push buttons are linked with their own Red-Yellow-Green traffic signal to give pedestrians additional time to cross when the push button is activated. The installation of pedestrian crossing lights provide added safety for all pedestrians crossing at these intersections, as well as providing motorists added safety by reducing the likelihood of pedestrians being in the intersection at inappropriate times. It has been considered previously to upgrade the intersections, but due to financial constraints, it has not been completed. This grant will provide additional funding needed to upgrade the intersections.

The intersections will be:Kedron Avenue and Academy Avenue -MacDade Blvd and Milmont Avenue -MacDade Blvd and Edgewood Avenue -MacDade Blvd and Swarthmore Avenue -MacDade Blvd and Amosland Road -MacDade Blvd and Holmes Road

**TIP Program Years (\$ 000)**

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	A-073	5											
PE	LOC	5											
FD	A-073	5											
FD	LOC	5											
CON	A-073	35											
CON	LOC	35											
		<b>90</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>				<b>Total FY2021-2024</b>				<b>Total FY2025-2028</b>			
		90				0				0			

**MPMS# 105662** *Audible Pedestrian Signals - Springfield Twp)*

**New**

**LIMITS** Signalized Intersection at Baltimore Pike & Saxer Avenue Springfield Township.

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Springfield Township

**FC:**

AQ Code:S6

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

Modify present intersection to accommodate Audible system to controller and signal heads. Blind resident has difficulty navigating intersection going to and from bus stop.

**TIP Program Years (\$ 000)**

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	A-073	9											
CON	LOC	9											
		<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
		<b>Total FY2017-2020</b>				<b>Total FY2021-2024</b>				<b>Total FY2025-2028</b>			
		18				0				0			

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 105663** *Traffic Signal Uninterruptable Power Supply - (Upper Chichester Twp)*

**New**

**LIMITS** Various locations in Upper Chichester

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Upper Chichester Township

**FC:**

AQ Code:NRS

**PLAN CENTER:**

IPD: 2

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

Upper Chichester Township seeks improve safety and mobility at ten (10) signalized intersections within the Township by improving pavement markings, replacing signs, relocating signs and implementing battery back-up / uninterruptable power supply (UPS) at select locations. The existing signalized intersections along Chichester Avenue within Upper Chichester Township have been prone to power outages, creating safety and mobility concerns. Additionally, signalized intersections within the Township have faded pavement markings and missing signs due to frequent sign knockdowns caused by non-optimal placement.

		TIP Program Years (\$ 000)														
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028			
FD	A-073	3														
FD	LOC	3														
CON	A-073		39													
CON	LOC		39													
		<b>6</b>	<b>78</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			
		<b>Total FY2017-2020</b>			<b>84</b>				<b>Total FY2021-2024</b>				<b>0</b>			
									<b>Total FY2025-2028</b>				<b>0</b>			

**MPMS# 105664** *Upper Darby Township*

**New**

**LIMITS** Ten critical corridor intersections within Upper Darby Township

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Upper Darby Township

**FC:**

AQ Code:NRS

**PLAN CENTER:** Town Center

IPD: 7

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

Purchase and Installation of cameras and ancillary equipment for traffic signals at ten (10) critical corridor intersections within Upper Darby Township to effectuate Traffic Signal Retiming and Signal Monitoring. Fixed timed traffic signals and out dated vehicle detection promote problems of traffic congestion, increase in greenhouse gas pollution, immobility, and increase in travel especially on critical arterials.

		TIP Program Years (\$ 000)														
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028			
CON	A-073	31														
CON	LOC	38														
		<b>69</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>			
		<b>Total FY2017-2020</b>			<b>69</b>				<b>Total FY2021-2024</b>				<b>0</b>			
									<b>Total FY2025-2028</b>				<b>0</b>			

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 107152** *Local Asset Data Collection - Delaware County*

**Return**

**LIMITS** Countywide

No Let Date

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Various

**FC:**

AQ Code:X5

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Jim Mosca

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
STUDY	TOLL													
STUDY	STU	55												
		55	0	0	0	0	0	0	0	0	0	0	0	
		<b>Total FY2017-2020</b>			55	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>			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

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** EE/DVRPC/R. Gallagher

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TAU													
		0	0	0	0	0	0	0	0	0	0	0	0	
		<b>Total FY2017-2020</b>			0	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>			0

# DVRPC FY 2017-2020 TIP for PA

## 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

**PLAN CENTER:**

IPD: 1

**PROJECT MANAGER:** EE/DVRPC/R. Gallagher

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	TAU												
		0	0	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020			0	Total FY2021-2024			0	Total FY2025-2028			0

**MPMS# 107642** *Smithbridge Rd. Corridor*

**LIMITS**

No Let Date

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Concord Township

**FC:**

AQ Code:NRS

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** EE/DVRPC/K. Lawrence

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project is a partnership between PennDOT, Concord Township, Delaware County, and Garnet Valley School District, a regional school district that includes Concord and Bethel Townships, and Chester Heights Borough. To address safety as well as significant congestion and vehicle delay on and adjacent to Smithbridge Road in the vicinity of two Garnet Valley School District campuses, the project will implement turning movement enhancements at the Garnet Valley High School access to Smithbridge Road and a roundabout at the intersection of Smithbridge Road and Kirk/Temple Roads. In addition, a multi-use trail with crosswalks and ADA ramps will be constructed to connect these campuses, Concord Township Park, the Rachel Kohl Community Library (a regional library) the DeNenno History and Education Center and multiple residential neighborhoods.

The project is listed under the DVRPC Competitive CMAQ Program (MPMS #48201) line item and the Regional Safety Initiatives (HSIP) (MPMS #57927) line item; funds will be drawn down at the appropriate time.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ROW	HSIP												
			50										
		0	50	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020			50	Total FY2021-2024			0	Total FY2025-2028			0

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

MPMS# 107652 US 202/US 1 ITS Corridor

New

LIMITS

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Various

FC:

AQ Code:2020M

PLAN CENTER:

IPD:

PROJECT MANAGER: HNTB/N.Velaga

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Installation of adaptive signals and ITS infrastructure at 17 intersections in US 202 (DE Line and Matlack St.) and US 1 (Lenape Rd, Bethel Twp., to US 202) corridors in Chester and Delaware Counties. Will connect to PennDOT TMS.

TIP Program Years (\$ 000)														
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	CAQ	200												
PE	CAQ		280											
FD	CAQ	300												
		500	280	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			780	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 107735 US 1 (Township Line Road) Corridor Safety Improvements

New

LIMITS

Actl Let Date: 4/6/2017

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Haverford Township; Upper Darby Township

FC:

AQ Code:S6

PLAN CENTER:

IPD:

PROJECT MANAGER: HNTB/N.Velaga

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Proposed improvements include milling and overlay from State Road to Harding Drive; improving and enhancing signage and pavement markings, installing a center turn lane, reducing lane widths, and reinforcing the 35 MPH speed limit by installing speed limit legends on the pavement throughout the corridor; installing radar display speed signs at various locations; and installing a high friction surface treatment on the northbound right lane of Township Line Road between State Road and Arrowhead Lane.

TIP Program Years (\$ 000)														
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	eSTP	1,500												
		1,500	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			1,500	Total FY2021-2024				0	Total FY2025-2028			0

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 107995 Radnor Township Trail (TAP)**

**New**

**LIMITS** Radnor Township

Est Let Date: 10/18/2018

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Radnor Township

**FC:**

AQ Code:A2

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** EE/DVRPC/K. Lawrence

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

The Radnor TAP Trail will build a low-cost, immediate, 5 mile north/south Circuit Route to create a nearly continuous 7.6 mile on-road and off-road bicycle route. The 5 mile trail runs from the northern end of the Township connecting Wayne with the existing Radnor Trail to 4 SEPTA Stations. The trail will also link to Villanova University along South Ithan Ave. to Haverford Township.

In the fall of 2015, PennDOT held a competitive round for statewide TAP funding. This project was one of 13 projects across the DVRPC region that was awarded funding in January 2017 through the statewide TAP program (MPMS #60560), receiving \$1,000,000 out of the \$9.4 million awarded to the region.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TAP			1,000										
		0	0	1,000	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			1,000	Total FY2021-2024				0	Total FY2025-2028			0

**MPMS# 108005 Avenue of the States Streetscape (TAP)**

**New**

**LIMITS** Chester City's Central Business District

Est Let Date: 10/18/2018

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Chester City

**FC:**

AQ Code:A2

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** EE/DVRPC/J. Coscia

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project will fund the construction of sidewalk and streetscape improvements in Chester's Central Business District. The City of Chester was awarded funding through the federal Transportation and Community Systems Preservation (TCSP) program to initiate a set of improvements to the Downtown Triangle (see MPMS #72913). The TAP funds will allow the City to complete the project. The TAP-funded work will improve access to the Chester Transportation Center, an intermodal public transit station including both regional rail lines and bus routes, located at 6th Street and the Avenue of the States.

In the fall of 2015, PennDOT held a competitive round for statewide TAP funding. This project was one of 13 projects across the DVRPC region that was awarded funding in January 2017 through the statewide TAP program (MPMS #60560), receiving \$913,488 out of the \$9.4 million awarded to the region.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TAP			913										
		0	0	913	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			913	Total FY2021-2024				0	Total FY2025-2028			0

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 109442** *Concord Township Battery Backup (Various Locations)*

**New**

**LIMITS** 15 Intersections within Concord Township

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Concord Township

**FC:**

AQ Code:S7

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

Concord Township seeks to implement battery back-up / uninterruptable power supply (UPS) at the following intersections in order to improve safety during power outages.

1. Baltimore Pike (SR 0001) & Concord Road (SR 3007) 232042538
2. Baltimore Pike (SR 0001) & Cheyney Road (SR 4015) 232041503
3. Baltimore Pike (SR 0001) & Stoney Bank Road (SR 4009) 234032090
4. Wilmington Pike (SR 0202) & Concord Country Club / Oakland Road 232021659
5. Wilmington Pike (SR 0202) & State Farm Drive / Brandywine Drive 232021929
6. Wilmington Pike South (SR 0202) & Smithbridge Road (SR 3046) 232042185
7. Wilmington Pike North (SR 0202) & Smithbridge Road (SR 3046) 232042184
8. Wilmington Pike (SR 0202) & Naamans Creek Road / Beaver Valley Road (SR 0491) 23204292
9. Wilmington Pike (SR 0202) & Johnson Farm Lane 232042632
10. Naamans Creek Road (SR 0491) & Shavertown Road 232042764
11. Naamans Creek Road (SR 0491) & Pyle Road (SR 3042)
12. Conchester Highway (SR 0322) & Fellowship Road 232042473
13. Smithbridge Road (SR 3046) & Kirk Road / Temple Road 232042563
14. Smithbridge Road (SR 3046) & Bethel Road / Station Road (SR 3025)
15. Smithbridge Road (SR 3046) & Concord Road (SR 3007) 232041640

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CON	A-073	144													
		144	0	0	0	0	0	0	0	0	0	0	0		
		<b>Total FY2017-2020</b>			144	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>				0

**MPMS# 109443** *Traffic Adaptive System - Baltimore Pike (US 1) and Concord Road*

**New**

**LIMITS** Intersection of Baltimore Pike (SR 0001) and Concord Road (SR 3007)

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Concord Township

**FC:**

AQ Code:2025M

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project will implement traffic adaptive signal control at the intersection of Baltimore Pike (US 1) and Concord Road in order to improve safety and mobility along this heavily traveled corridor.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CON	A-073	56													
		56	0	0	0	0	0	0	0	0	0	0	0		
		<b>Total FY2017-2020</b>			56	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>				0



# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 109444** *Sproul Road (PA 320) Corridor Improvements (Marple Township)*

**New**

**LIMITS** Intersection of Sproul Rd & Springfield Rd (SR 1013) to intersection of Sproul Rd & Reed Rd

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Marple Township

**FC:**

AQ Code:2025M

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

The project involves the addition of a centralized fiber optic closed loop traffic signal system and new signal controllers for nine (9) signalized intersections along Sproul Road (SR 0320) in Marple Township, Delaware County. The project also involves traffic counts at all nine intersections and the development of optimized signal timing and coordination settings.

See also MPMS #109446.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	A-073	440												
		440	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			440	Total FY2021-2024				0	Total FY2025-2028			0

**MPMS# 109445** *Middletown Low Cost Safety Improvements*

**New**

**LIMITS** PA 352 and Knowlton Road and PA 352 and Glen Riddle Road

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Middletown Township

**FC:**

AQ Code:S7

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project will improve two intersections in Middletown Township.

S. New Middletown Road (SR 0352) & Knowlton Road:

-Add southbound right-turn lane. Shoulder is currently used as a de facto turn lane, Volume density loops, Video detection, Install new pushbutton on the northwest corner to replace the one that was knocked down. Place towards back of landing area, Replace mast arm on northwest corner. (Pole must be replaced to add an additional overhead signal), New junction box on the northwest corner to replace the old, rusted, muddy, crowded one, Luminaires on northeast and southwest corners' mast arms, Overhead street name signs on side street mast arms, Install new ground mounted controller cabinet, Repair broken connection from controller cabinet to mast arm

S. New Middletown Road (SR 0352) & Glen Riddle Road/Elwyn Ave & Old Middletown Road:

-Provide two overhead signals for each approach, Upgrade pedestrian signals, Replace mast arm on southeast corner (necessary if we are adding an additional overhead signal), Overhead street name signs for side street mast arms.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	A-073	108												
		108	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			108	Total FY2021-2024				0	Total FY2025-2028			0

# DVRPC FY 2017-2020 TIP for PA

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 109446** *Sproul Road (PA 320) Corridor Improvements (Springfield Township)*

**New**

**LIMITS** Intersection of Sproul Rd & Springfield Rd (SR 1013) to intersection of Sproul Rd & Reed Rd

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Springfield Township

**FC:**

AQ Code:2025M

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project will implement a closed loop fiber optic traffic signal system and emergency preemption at 6 signalized intersections along Sproul Road (PA 320) in Springfield Township. The township worked with PennDOT on a recent project to optimize the signal timings and coordination settings along the PA 320 Corridor. This project constitutes the next phase of that effort. See also MPMS #109444.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CON	A-073	284													
		284	0	0	0	0	0	0	0	0	0	0	0		
		<b>Total FY2017-2020</b>			284	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>				0

**MPMS# 110924** *City of Chester Traffic Signal Upgrade (ARLE 7)*

**New**

**LIMITS** Route 3035 and Township Line Road

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Chester City

**FC:**

AQ Code:S6

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:** Not SOV Capacity Adding

**CMP Subcorridor(s):** 4D, 6A, 8A

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project will improve safety by upgrading the traffic signal at the intersection of Route 3035 and Township Line Road by installing new traffic signal poles, LED modules, pedestrian signals, and signs.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CON	244		119												
		0	119	0	0	0	0	0	0	0	0	0	0		
		<b>Total FY2017-2020</b>			119	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>				0

# DVRPC FY 2017-2020 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 110925** *Concord Township Pedestrian Improvements (ARLE 7)*

**New**

**LIMITS** US 1 and State Farm Drive/Applied Bank Boulevard

No Let Date

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Concord Township

**FC:**

AQ Code:S6

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 5B, 8A

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project will improve safety at the intersection of US 1 (Baltimore Pike) and State Farm Drive/Applied Bank Boulevard by improving the pedestrian crossing, installing a channelization island, upgrade ADA ramps, extend existing sidewalk, placement of push buttons, and relocating guiderail.

#### TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	244		117											
		0	117	0	0	0	0	0	0	0	0	0	0	
		<b>Total FY2017-2020</b>			117	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>			0

**MPMS# 110926** *Haverford Township Pedestrian Safety Improvement (ARLE 7)*

**New**

**LIMITS** Darby Road and Fairfield Road

No Let Date

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Haverford Township

**FC:**

AQ Code:S6

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:**

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project will improve pedestrian safety by installing a mid-block pedestrian warning system near the intersection of Route 2005 (Darby Road) and Fairfield Road.

#### TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	244		75											
		0	75	0	0	0	0	0	0	0	0	0	0	
		<b>Total FY2017-2020</b>			75	<b>Total FY2021-2024</b>				0	<b>Total FY2025-2028</b>			0

# DVRPC FY 2017-2020 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

**MPMS# 110927** *Ridley Township Intersection Improvement (ARLE 7)*

**New**

**LIMITS** MacDade Boulevard and Bullens Lane

No Let Date

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Ridley Township

**FC:**

AQ Code:R1

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:** Minor SOV Capacity

CMP Subcorridor(s): 2D, 6A

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project will upgrade the intersection of MacDade Boulevard and Bullens Lane by installing a new left turn lane, upgrading traffic signal equipment, and improving ADA-compliant curb ramps.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	244	250												
		0	250	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			250	Total FY2021-2024				0	Total FY2025-2028			0

**MPMS# 110928** *Springfield Township Traffic Signal Improvements (ARLE 7)*

**New**

**LIMITS** Sproul Rd and Woodland Ave/Beatty Rd

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Springfield Township

**FC:**

AQ Code:S6

**PLAN CENTER:**

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:** Not SOV Capacity Adding

CMP Subcorridor(s): 2C, 5C

**PennDOT Class:**

**PennDOT Improvement:**

**NHPP:**

This project will upgrade the traffic signal at the intersection of Sproul Road and Woodland Avenue/Beatty Road by modernizing traffic signal equipment and installing ADA-compliant ramps, pedestrian signal modules, push buttons, and visibility crosswalks.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	244	282												
		0	282	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			282	Total FY2021-2024				0	Total FY2025-2028			0

# DVRPC FY 2017-2020 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Delaware

MPMS# 111021 *Bethel Road Roundabout*

New

LIMITS Bethel Road (SR 3017) & Mill Road (SR 3014)

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Upper Chichester Township

FC:

AQ Code:X5

PLAN CENTER:

IPD:

PROJECT MANAGER: Traff/A. Patel

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Roundabout installation at Bethel Road (SR 3017) & Mill Road (SR 3014)

#### TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	sHSIP		320											
		0	320	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			320	Total FY2021-2024				0	Total FY2025-2028			0

Total For Delaware	2017	2018	2019	2020	2017-2020	2021-2024	2025-2028
	\$88,550	\$62,614	\$42,602	\$44,124	\$237,890	\$198,710	\$281,073