

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 12923 **Bristol Road Extension SR:2025**

Return

LIMITS US 202 to Park Avenue

No Let Date

IMPROVEMENT Roadway New Capacity

MRPID:119

MUNICIPALITIES: Chalfont Borough; New Britain Borough; New Britain Township

FC: 16

AQ Code:2035M

PLANNING AREA: Developed Community; Growing Suburb

IPD: 0

PROJECT MANAGER: HNTB/NV

CMP: Major SOV Capacity

Adding Subcorr(s): 8G, 12B

Provide a two lane extension of Bristol Road (approximately 2000 ft.) from US 202 to Park Avenue. When completed, this improvement will provide a two-lane bypass around Chalfont Borough which will eliminate trips on US 202 and turning movements at the US 202/PA 152 intersection. Project involves relocation of SEPTA siding track, a bridge across the wetlands, widen the intersection at Bristol road and US 202 to provide right and left turning lanes, provide maintenance of traffic during construction, redesign traffic signals and rail road crossing gates at US 202 and Bristol road extension and coordinate with SEPTA.

SAFETEA DEMO #500, PA ID# 334 - \$1.6 Million. SAFETEA DEMO #4775, PA ID# 585 - \$400,000.

TIP Program Years (\$ 000)														
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	
FD	SXF						800							
FD	581						285							
ROW	TOLL													
ROW	SXF								400					
ROW	STP								405					
ROW	581								503					
UTL	581									7,790				
CON	581											13,223		
		0	0	0	0	0	1,085	0	1,308	7,790	0	13,223	0	
		Total FY2015-2018				0	Total FY2019-2022			2,393	Total FY2023-2026			21,013

MPMS# 12931 **Worthington Mill Rd Br (Bridge)**

LIMITS NORTHAMPTON & WRIGHTSTOWN TWPS

Est Let Date: 10/13/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Northampton Township; Wrightstown Township

FC: 17

AQ Code:S19

PLANNING AREA: Developed Community; Rural Area

IPD: 0

PROJECT MANAGER: EE/J. Arena

CMP: Not SOV Capacity Adding

This project involves bridge rehabilitation or replacement of state bridge over the Neshaminy Creek on Worthington Mill Road between Swamp Road and Twining Bridge Road in Northampton and Wrightstown Townships. It is a Structurally Deficient bridge breakout project from MPMS #88706. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

TIP Program Years (\$ 000)													
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	185	955											
ROW	STP		175										
ROW	185		44										
UTL	185		219										
CON	STP					4,299							
CON	185					1,075							
		955	438	0	0	5,374	0	0	0	0	0	0	0
		Total FY2015-2018			1,393	Total FY2019-2022			5,374	Total FY2023-2026			0

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 12965 Lawn Avenue SR:4033

Return

LIMITS Maple Avenue to Farmers Lane

Est Let Date: 1/23/2020

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Sellersville Borough; West Rockhill Township

FC: 17

AQ Code:S10

PLANNING AREA: Developed Community; Rural Area

IPD: 0

PROJECT MANAGER: P/CNV

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 14G

Reconstruct roadway, curbs, sidewalks, and walls. Construct new sidewalk and curbs in areas currently without them. Perform a minor relocation of one horizontal curve. Install new drainage facilities as required. Relocate affected water and sanitary sewer lines as required. A portion of the roadway from Noble St to Maple Ave is proposed to be turned back to the borough upon completion of the project. Upon completion of the project sidewalk will be in place from Grandview Hospital to the borough center.

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	TOLL												
FD	STU								456				
ROW	TOLL												
ROW	STU										462		
UTL	TOLL												
UTL	STU										1,777		
CON	581											15,897	
		0	0	0	0	0	0	0	456	0	2,239	15,897	0
		Total FY2015-2018				0				Total FY2019-2022			
										456			
										Total FY2023-2026			
										18,136			

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 13014** *Clay Ridge Road Bridge Over Beaver Creek (CB #30)*

**LIMITS** Over Beaver Creek

No Let Date

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Tinicum Township

**FC:**

AQ Code:S19

**PLANNING AREA:** Rural Area

IPD: 0

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

**CMP:** Not SOV Capacity Adding

Reconstruction of a 1909 reinforced concrete arch bridge located in Tinicum Township. The bridge is 25 feet long and is identified as County Bridge #30.

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

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	STP	270											
ROW	BOF		50										
ROW	183		9										
ROW	LOC		3										
UTL	BOF			45									
UTL	183			8									
UTL	LOC			3									
CON	BOF					2,006							
CON	183					376							
CON	LOC					125							
		270	62	56	0	2,507	0	0	0	0	0	0	0
		Total FY2015-2018			388	Total FY2019-2022			2,507	Total FY2023-2026			0

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 13240 Old Bethlehem Road Bridge Over Kimples Creek SR:4101

LIMITS Over Kimples Creek

Est Let Date: 6/18/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Haycock Township

FC: 7

AQ Code:S19

PLANNING AREA: Rural Area

IPD: 0

PROJECT MANAGER: Plans/C. Veiga

CMP: Not SOV Capacity Adding

The project consists of replacing 16' wide weight restricted 13 ton posted bridge over Kimples Creek with a 28' wide bridge with two 11' lanes and 3' shoulders on new alignment. Due to the impacts on emergency services, a temporary roadway and bridge would be required and due to the impacts of the temporary facilities on the wetlands constructing the bridge on a new alignment is the most feasible alternative. As part of the project a wetlands mitigation site will be constructed to mitigate the impacts to the existing wetlands. The existing bridge is posted for 13 tons, shows signs of rapid deterioration, is only 1 lane wide, and has only 111 feet of stopping sight distance. Additionally the horizontal alignment of Old Bethlehem Road north and south of the bridge consists of a series of sharp horizontal curves with substandard sight distance and radii. There is evidence of utility poles being struck.

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

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	185	3,588											
CON	STU			2,165									
CON	185			592									
CON	STU					811							
CON	185					152							
		3,588	0	2,757	0	963	0	0	0	0	0	0	0
		Total FY2015-2018		6,345		Total FY2019-2022		963		Total FY2023-2026		0	

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 13248** *Walnut Street Bridge Over Perkiomen Creek (CB #13) SR:7009*

**LIMITS** Over Perkiomen Creek

Est Let Date: 3/8/2018

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Perkasio Borough

**FC:**

AQ Code:S19

**PLANNING AREA:** Developed Community

IPD: 0

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

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 14G

This project involves rehabilitating or replacing bridges as a three span reinforced concrete box beam bridge. The narrow two lane bridge with no shoulders will be replaced with a wider structure that provides one lane in each direction and a painted median. Improvements to an adjacent traffic signal at the intersection of Walnut Street and Constitution Avenue will also be included in the project. The current bridge has a sidewalk along the eastern side of Walnut Street. The proposed bridge will have sidewalks along both sides of the roadway. The addition of the sidewalk along the west side of the roadway will improve pedestrian access to Lenape Park. This sidewalk was requested by Perkasio Borough. Currently, any pedestrian accessing the park from south of Constitution Avenue has to cross Walnut Street at least once. The additional sidewalk will provide for a signal-controlled crossing. The bicycle and pedestrian checklists will be incorporated into the project.

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

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	BOF				4,081								
CON	183				765								
CON	LOC				255								
		0	0	0	5,101	0	0	0	0	0	0	0	0
		Total FY2015-2018			5,101	Total FY2019-2022			0	Total FY2023-2026			0

**MPMS# 13249** *Stone Bridge Road (Bridge) SR:7009*

**LIMITS** Over Deep Run

Est Let Date: 6/16/2016

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Bedminster Township

**FC:**

AQ Code:S19

**PLANNING AREA:** Rural Area

IPD: 1

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

**CMP:** Not SOV Capacity Adding

The existing two lane bridge with no shoulders will be replaced with a two lane bridge with shoulders. The bicycle and pedestrian checklists will be incorporated into the project.

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	183		1,285										
CON	LOC		328										
		0	1,613	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			1,613	Total FY2019-2022			0	Total FY2023-2026			0

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Pennsylvania - Highway Program (Status: TIP)

## Bucks

MPMS# 13296 Rickert Road Bridge Over Morris Run Creek (CB #21) SR:7009

LIMITS Over Morris Run Creek

Est Let Date: 8/31/2017

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Hilltown Township

FC:

AQ Code:S19

PLANNING AREA: Growing Suburb

IPD: 0

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

This project involves rehabilitating or replacing the existing two lane bridge without shoulders with a two lane bridge with shoulders. The bicycle and pedestrian checklists will be incorporated into the project. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

### TIP Program Years (\$ 000)

Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>
ROW	183	47											
ROW	LOC	12											
CON	STU			811									
CON	183			152									
CON	LOC			50									
		59	0	1,013	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,072		Total FY2019-2022		0		Total FY2023-2026		0	

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 13347** **I-95, PA Turnpike Interchange (TPK)- STAGE 1 SR:0095**

**LIMITS** Exit 28 to 29 and parts of I-95

No Let Date

**IMPROVEMENT** Intersection/Interchange Improvements

MRPID:35

**MUNICIPALITIES:** Bensalem Township; Bristol Township; Middletown Township

**FC:** 11

AQ Code:2020M

**PLANNING AREA:** Developed Community

IPD: 2

**PROJECT MANAGER:** AECOM/M. Girman

**CMP:** Major SOV Capacity

Adding Subcorr(s): 1A, 4A

The interstate completion project will connect I-95 and I-276 in Pennsylvania; facilitate a revised routing of I-95 in PA and NJ, and make I-95 continuous along the east Coast from Florida to Maine.

Stage 1 of the project involves the construction of the I-95 mainline flyovers of the interchange between I-95 and the PA Turnpike, a new mainline toll plaza west of this interchange, replacement of the existing River Bridge toll plaza with an all-electronic (AET) on road toll facility in the westbound direction, and removal of the existing US13 interchange toll facility. This project is integral to the Delaware Valley Freight Corridors initiative. All Stage 1 project funding not covered by Contracts D10 (MPMS 95439) and D20 (MPMS 95444) is included below based on the latest program schedule.

Stage 1 construction has been broken down into several contracts and expected completion is in 2018. Completed work includes the overhead bridges carrying Galloway Road, Richlieu Road and Bristol-Oxford Valley Roads over the Turnpike and Ford Road over I-95. Additional Stage 1 completed work includes the PA Turnpike's Northwest Quadrant Wetland Mitigation Site, the Plumbridge Greenway Stream Mitigation Site, and the advanced Intelligent Transportation System deployment. Current and remaining Stage 1 work includes construction of the new mainline toll plaza between Richlieu and Galloway Roads. The toll plaza will feature Express E-Zpass lanes which will allow motorists to pass through the plaza at highway speeds. Conventional toll booths will be provided in the outside lanes of the plaza for cash paying customers. This toll plaza phase will also include the construction of an All Electronic Toll (AET) tolling area at the Delaware River Bridge in the westbound direction and the removal of the Route 13 Interchange toll plaza. The I-95 mainline flyover connections of the Interchange will be constructed so that I-95 can be redesignated onto the existing PA Turnpike to the NJ Turnpike. At that time, I-95 north of the Turnpike would be redesignated in PA and NJ. Signing, lighting and traffic operations work will be done in phases throughout the construction period in order to manage traffic during and after construction. Stage 1 will operate independently until future stages are completed. No additional through lanes are being constructed on I-95 as part of Stage 1. Funding noted below provides for Stage 1 improvements only, and the remaining total estimated cost of Stage 1 (all phases) is \$370.35 million.

A future Stage 2 will include construction of the remaining six new interchange ramp movements which do not have the I-95 designation, and completion of the mainline widening from two lanes in each direction to three lanes in each direction in addition to the associated reconstruction work on the Turnpike and I-95. A future Stage 3 will include a new parallel bridge over the Delaware River. Construction of Stages 2 and 3 is not anticipated to begin until 2020 or later. This is a partnership project of the Pennsylvania Turnpike Commission (PTC), PennDOT and FHWA. Use of toll credits was approved by PENNDOT in 2003. Stage 1 of the project is eligible for federal funds. The PTC is committed to advancement of the I-95 project to its completion utilizing a combination of funding sources; however, the PTC is not seeking any additional regionally allocated federal or state DVRPC TIP funds in order to complete the project. Project CMP (Congestion Management Process) commitments include strategies such as improvements for transit users and drivers on the existing road network (operations). See DVRPC's 2009 annual memoranda on supplemental strategies for details related to project.

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	TPK	3,550											
FD	TPK		3,500										
FD	TPK			2,500									
ROW	TPK	1,000											
CON	TPK	20,000											
CON	TPK		22,000										
CON	TPK			30,000									
CON	TPK				20,000								
		<b>24,550</b>	<b>25,500</b>	<b>32,500</b>	<b>20,000</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>Total FY2015-2018</b>		<b>102,550</b>		<b>Total FY2019-2022</b>		<b>0</b>		<b>Total FY2023-2026</b>		<b>0</b>	

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 13377 Main St over SEPTA (Bridge)

LIMITS Sellersville Borough

Est Let Date: 12/14/2017

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Sellersville Borough

FC: 14

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 0

PROJECT MANAGER: TSS/S. Fellin

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 14G

This project involves rehabilitating or replacing the state bridge over the SEPTA rail line on Main Street between Noble and East Church Streets in Sellersville 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.

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	185	398											
FD	185		437										
ROW	185			225									
UTL	185			450									
CON	185				4,477								
CON	581				73								
CON	185					87							
		398	437	675	4,550	0	87	0	0	0	0	0	0
		Total FY2015-2018		6,060		Total FY2019-2022		87		Total FY2023-2026		0	



# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 13440** *Allentown Road and PA 663 Bridges (2) Over Licking Creek SR:0663*

**LIMITS** Over Licking Creek

Est Let Date: 7/30/2015

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Milford Township

**FC:** 14; 16; 17

AQ Code:S19

**PLANNING AREA:** Rural Area

IPD: 0

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

**CMP:** Minor SOV Capacity

Adding Subcorr(s): 14G

The project includes the replacement of 2 bridges: one carrying PA 663 over Unami Creek, and one carrying Allentown Road Bridge over Licking Creek. The replacement of the PA 663 Bridge over Unami Creek will be designed for sufficient width to accommodate staged traffic control during construction of the roadway widening. The structure will also be designed to be able to accommodate structural and hydraulic considerations for future widening to a five-lane section. This project also includes the widening of Allentown Road at the S.R. 0663 intersection to accommodate a two-lane section with a left turn lane on the southbound approach as well as the turning movement requirements for the WB-50 design vehicle with the minimum approach work possible. The northbound approach will be designed for a minimum two-lane section with the possibility of a left turn lane investigated; the replacement of the existing traffic signal equipment at the PA 663 intersection with Allentown Road and revisions to the traffic signal phasing and timing to improve operational inefficiencies, and the reconstruction of the existing pavement within the project limits.

All work on PA 663 and Allentown Road will be reduced in length from the original design to that which is necessary to meet required left turn lane and taper lengths and hydraulic considerations for the Unami Creek Bridge and Licking Creek Bridge. It is anticipated that approximately 2,420 feet of PA 663 and approximately 600 feet of Allentown Road will be reconstructed.

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

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
ROW	STU				762								
UTL	581	175											
CON	581	1,470											
CON	581		76										
CON	185		2,690										
CON	581			576									
CON	185			2,775									
CON	185					33							
		1,645	2,766	3,351	762	33	0	0	0	0	0	0	0
		Total FY2015-2018		8,524		Total FY2019-2022		33		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 13549** **US 1 (Bridges) Design (Section 03S) SR:0001**

**LIMITS** PA 413 - PA Turnpike

No Let Date

**IMPROVEMENT** Roadway New Capacity

MRPID:37

**MUNICIPALITIES:** Bensalem Township; Middletown Township

**FC:** 12; 14

AQ Code:2025M

**PLANNING AREA:** Developed Community

IPD: 0

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

**CMP:** Major SOV Capacity

Adding Subcorr(s): 4A, 5I

This is the design parent for a roadway reconstruction and widening and bridge improvement project that involves 5.3 miles of roadway, four (4) interchanges, ten (10) bridge structures and six (6) retaining walls. The project includes the addition of a third through travel lane in each direction between the Street Road interchange and the Pennel interchange (Business Route 1) and the addition, modification, or upgrading of auxiliary lanes in each direction for the S.R. 8017 (Street Road), S.R. 8019 (PA Turnpike), S.R. 8055 (Neshaminy/Rockhill Drive), and S.R. 8067 (Pennel/Business Route 1) interchanges. The project includes improvements at the Street Road, the PA Turnpike and the Neshaminy (Rockhill Drive) interchanges to coordinate with proposed development as well as the investigation into pedestrian walkways and transit stops along Rockhill Drive. Also included in the project are guide rail upgrades, drainage improvements, signage improvements, additional traffic signalization along with evaluation of existing signal timings, and noise wall evaluation throughout the project limits.

The proposed structure improvements include the replacement of eight (8) bridges, rehabilitation of one (1) bridge, the removal of one (1) bridge, the construction of six (6) retaining walls and the potential construction of two (2) noise walls. The bridges to be replaced are those which carry S.R. 0001 over S.R. 0132 (Street Road) (1B), I-0276 (the PA Turnpike) (9B), the PA Turnpike (Ramps I and J) (2B), S.R. 2044 (Rockhill Drive) (4B), Neshaminy Creek (5B), and Business Route 1 (6B) and the CSX and SEPTA rail lines. The bridge which carries S.R. 2025 (Bristol Road) over Route 1 (10B) and the bridge that carries West Interchange Road over S.R. 0001 (11B) are also to be replaced. The bridge that is to be removed (3B) currently carries S.R. 0001 (Route 1) over a closed private access road. The rehabilitated bridge carries S.R. 0001 over Highland Ave. (S.R. 2008).

See MPMS 93444, 93445, and 93446 for the construction sections.

The reconstruction and widening project minimizes impacts to the community by avoiding archaeological resources at Neshaminy Creek while improving safety and mobility. Additionally, this alternative avoids historic resources such as the Philadelphia Water Company, the Roosevelt Cemetery and the Railroad.

Project CMP (Congestion Management Process) commitments are currently under development.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	NHPP	4,244											
FD	581	1,061											
ROW	581		777										
ROW	581			4,101									
ROW	581				2,041								
ROW	581					6,419							
ROW	581						4,000						
ROW	581							4,000					
UTL	581				4,869								
		5,305	777	4,101	6,910	6,419	4,000	4,000	0	0	0	0	0
		Total FY2015-2018		17,093		Total FY2019-2022		14,419		Total FY2023-2026		0	

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 13606** *Hulmeville Avenue Bridge Over Conrail SR:2047*

**LIMITS** Over Conrail

Est Let Date: 4/7/2016

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Middletown Township

**FC:** 17

AQ Code:S19

**PLANNING AREA:** Developed Community

IPD: 0

**PROJECT MANAGER:** TSS/EE/M. Holva

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 4A, 5I

The project consists of the replacement of the existing Hulmeville Avenue bridge. The bridge carries two lanes of traffic over three tracks of the former Reading Railroad that is now operated by CSX. The existing bridge is being replaced along the existing horizontal alignment and approximate vertical alignment with minimal approach work. The existing span arrangement will be maintained due to the location of the existing railroad facilities. It should be noted that this span arrangement may be revised during the detailed design phase due to discussions between CSX and SEPTA to provide four (4) tracks throughout the project area. An understanding between the parties is that any overhead bridge replacement must accommodate an additional track.

The substructure units will be comprised of reinforced concrete stub abutments with reinforced multi-column pier bents with crash walls. The replaced bridge will consist of a three-span continuous prestressed composite concrete adjacent box beams structure supporting a reinforced concrete deck. This structure type provides the minimum superstructure depth so that the required vertical clearance could be maintained without significant impacts to the profile of Hulmeville Avenue. The proposed typical section across the bridge consists of two 12-foot wide travel lanes with 4-foot wide shoulders on both sides flanked by concrete parapet walls with metal protective barrier mounted to the top of the parapets along the middle span. In light of PennDOT's policy of not providing sidewalks on bridges where there are no approach sidewalks, no sidewalks are proposed on the structure for pedestrian access. There will be 144 feet of approach roadway work on the north side including the intersection of Hulmeville Avenue with Comly Avenue and 264.6 feet on the south side of the structure to meet the existing pavement conditions. The 4-foot shoulder is maintained to meet the existing conditions in the southerly direction and extended fully to Comly Avenue north of the bridge. Guide rail is proposed at the approaches extending from the end of wingwalls to Comly Avenue on the north side and to the entrance way of the commercial establishments at the southern quadrants.

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	185	3,832											
CON	185		3,186										
CON	185				2,000								
		3,832	3,186	0	2,000	0	0	0	0	0	0	0	0
		Total FY2015-2018		9,018		Total FY2019-2022				0		Total FY2023-2026	
												0	

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 13607** *Upper Ridge Road Bridge Over Unami Creek SR:4033*

**LIMITS** Over Unami Creek

Est Let Date: 6/23/2016

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Milford Township

**FC:** 7

AQ Code:S19

**PLANNING AREA:** Rural Area

IPD: 0

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

**CMP:** Not SOV Capacity Adding

This project involves removing and replacing the existing bridge that carries Upper Ridge Road over Unami Creek in Milford Township. The bridge will be reconstructed along the existing alignment. Providing a modern structure is essential for emergency services, as well as for meeting potential future demand.

A new structure is needed to address existing deficiencies. The substandard bridge width (of 22.8 ft.) is functionally obsolete- the proposed structure has a bridge width of 32 ft. The existing bridge has a 100-year design storm elevation above the roadway surface. The existing Upper Ridge Road (S.R. 4033) bridge is structurally deficient and deteriorating. Atop the bridge deck, the asphalt wearing surface has moderate damage showing typical wide cracks. As of 2003 inspection the overall bridge rating is governed by the superstructure condition which is poor (4). The rolled steel I-beams are severely rusted with advanced section loss up to the full height of the web in the shear zone and to the flanges at mid-span with up to 1 inch rotation of interior beams. The concrete bridge seat presents severe scaling that undermines the bearing of two beams. Scour damage is also present at the structure abutments. The stone masonry abutment stems have wide full height cracks.

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

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	TOLL												
PE	STP	39											
FD	185	473											
CON	581				2,869								
		512	0	0	2,869	0	0	0	0	0	0	0	0
		Total FY2015-2018		3,381		Total FY2019-2022				Total FY2023-2026			
						0				0			

**MPMS# 13609** *PA 313/US 202, East State Street to Mechanics Road Intersection Improvements SR:0202*

**LIMITS** PA 313/Swamp Road and US 202, East State Street to

Actl Let Date: 10/9/2014

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Buckingham Township; Doylestown Borough; Doylestown Township

**FC:** 12; 14

AQ Code:R3

**PLANNING AREA:** Growing Suburb; Developed Community

IPD: 0

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

**CMP:** Minor SOV Capacity

Adding Subcorr(s): 8G, 8H

Realign US 202 at E. State St. to a "T" intersection, extend the PA 313 left turn lanes at US 202, and widen US 202 from PA 313 to Mechanicsville Road to accommodate a center left turn lane at the US 202/PA 313 intersection. Add pedestrian and bicycle access.

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	NHPP	1,000											
CON	STU	2,340											
CON	581	4,993											
		8,333	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		8,333		Total FY2019-2022				Total FY2023-2026			
						0				0			

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 13635** *Oxford Valley Road/Lincoln Highway Intersection Improvements SR:2029*

**LIMITS** At US 1 and Bristol/Levittown Parkway

No Let Date

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Falls Township; Middletown Township

**FC:** 16; 17

AQ Code:R1

**PLANNING AREA:** Developed Community

IPD: 1

**PROJECT MANAGER:**

**CMP:** Minor SOV Capacity

Adding Subcorr(s): 4A, 5I

Intersection improvements, including the addition of turn lanes from Oxford Valley Road onto Route 1, and the realignment of Levittown Parkway.

TIP Program Years (\$ 000)															
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026		
CON	STU							5,942							
		0	0	0	0	0	0	5,942	0	0	0	0	0		
		Total FY2015-2018				0		Total FY2019-2022		5,942		Total FY2023-2026		0	

**MPMS# 13716** *Headquarters Road Bridge Over Tinicum Creek SR:1012*

**LIMITS** Over Tinicum Creek

Est Let Date: 6/15/2016

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Tinicum Township

**FC:** 8

AQ Code:S19

**PLANNING AREA:** Rural Area

IPD: 0

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

**CMP:** Not SOV Capacity Adding

This project involves rehabilitating or replacing the Headquarters Road Bridge over Tinicum Creek in Tinicum Township, Bucks County. This bridge is structurally deficient, functionally obsolete, and currently closed to traffic due to its deteriorated condition. The bridge is a contributing resource to the Ridge Valley Rural Historic District which is listed in the National Register of Historic Places. A final alternative for bridge rehabilitation or replacement is determined upon completion of the review process required by the National Environmental Policy Act (NEPA) and its supporting regulations.

Currently, there is a stop condition at either end of the bridge due to its narrow width. Traffic has been reduced to one lane. The existing structure is an 80' long, three-span concrete-encased steel stringer bridge with stone masonry abutments and piers over Tinicum Creek. No utility conflicts are anticipated.

TIP Program Years (\$ 000)													
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	185		350										
FD	185		400										
CON	STU			2,727									
CON	185			682									
		0	750	3,409	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		4,159		Total FY2019-2022		0		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 13727** **Bristol Road Intersection Improvements SR:2025**

**LIMITS** PA 513/Hulmeville Road to Old Lincoln Highway

Est Let Date: 7/15/2016

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Bensalem Township

**FC:** 16

AQ Code:2025M

**PLANNING AREA:** Developed Community

IPD: 2

**PROJECT MANAGER:** HNTB/J. Alfieri

**CMP:** Minor SOV Capacity

Adding Subcorr(s): 4A, 5I, 12A

This project consists of reconstruction and widening of Bristol Road (SR 2025, Section 001) to accommodate a center left-turn lane from Segment 0332 Offset 0643 north of Old Lincoln Highway to Segment 0372 Offset 1015 at the Pasqualone Boulevard intersection and the replacement of six (6) existing signals along Bristol Road.

The proposed roadway widening project is an approximately a 2.3 mile section of SR 2025 (Bristol Road) and the typical section will include two 11 foot travel lanes, 11 foot center left-turn lane, and 2 foot shoulders. The proposed shoulder improvements will be full depth installations. Resurfacing of the existing roadway is proposed throughout the project limits. Secondary roads access Bristol Road by way of both signalized and non-signalized intersections. Signalized intersections with Bristol road include: Grandview Avenue/Neshaminy Mall entrance, Galloway Road/Elfin Avenue, Bensalem Boulevard, Pasqualone Boulevard, and reconstruction is proposed for each signal including ADA ramps and pedestrian signals. Included in the intersection improvements are additional left and right turning lanes throughout the corridor consisting of left turn lanes at the intersections of Bristol Road at Old Lincoln Highway and Richlieu Road; right turn lanes at the intersections of Bristol Road at Old Lincoln Highway, Neshaminy Boulevard, Galloway Road and Richlieu Road. Land use along Bristol Road is primarily commercial and mixed residential. Additional improvements include the re-alignment of Bristol Road at the intersection of Third Avenue/Richlieu Road to improve the horizontal alignment of the segment for improved sight distance.

There are existing sidewalks within the project limits and will be replaced in-kind upon any impacts due to the widening. There is currently no plan to provide additional pedestrian or bike features throughout the corridor. As a result of the improvements to SR 2025, impacts to properties include 40 proposed right-of-way takes, 20 slope easements, two drainage easements and two temporary construction easements throughout the limits of the project. Also, included under this project are several tracks of land identified to be deeded to PennDOT from Bensalem Township. The project limits overlap a private development that is proposed along the Westside of Bristol Road directly across from Bensalem Boulevard. The entrance to the proposed development has been designed to line-up with Bensalem Boulevard to provide for a four legged intersection. Future traffic volumes were considered during the Preliminary Engineering of this project.

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	581				5,182								
CON	581					5,182							
CON	581												
		0	0	0	5,182	5,182	0	0	0	0	0	0	0
		Total FY2015-2018		5,182		Total FY2019-2022		5,182		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 13762** *West Maple Avenue Bridge Over Neshaminy Creek SR:0213*

**LIMITS** Over Neshaminy Creek

No Let Date

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Middletown Township

**FC:** 16

AQ Code:S19

**PLANNING AREA:** Developed Community

IPD:

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

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 5I

The project involves replacing the bridge carrying West Maple Avenue (PA 213) over Neshaminy Creek. The purpose of this project is to maintain mobility in the project area. The existing bridge is structurally deficient due to corrosion in several components of the structure. The existing structure is a 3 span 299' reinforced concrete open spandrel stone arch bridge. It carries two 11' lanes of traffic with minimal shoulders.

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	581		200										
		0	200	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018				200		Total FY2019-2022				0		Total FY2023-2026	
												0	

**MPMS# 17918** *I-95, Transit Improvements/FLEX (Cornwells Heights)*

**LIMITS** Cornwells Heights Shuttle Bus Operations

No Let Date

**IMPROVEMENT** Other

**MUNICIPALITIES:** Various

**FC:**

AQ Code:M1

**PLANNING AREA:**

IPD: 1

**PROJECT MANAGER:**

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 4B, 12A

In Philadelphia and Bucks Counties, funds will be used for the continuation of SEPTA's shuttle bus operations between the R7 Cornwells Heights and adjacent PENNDOT Park and Ride lot. This service serves as a CMP (Congestion Management Process) commitment for I-95 reconstruction projects.

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 annual memoranda on supplemental strategies for details related to this project.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	STU	470											
CON	LOC	117											
CON	STP		494										
CON	LOC		123										
		587	617	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018				1,204		Total FY2019-2022				0		Total FY2023-2026	
												0	

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 47392**      **Route 13/Bristol Pike, PA 413 to Levittown Parkway Restoration SR:0013**

**LIMITS** PA 413 to Levittown Parkway

Actl Let Date: 10/4/2012

**IMPROVEMENT** Roadway Rehabilitation

**MUNICIPALITIES:** Bristol Borough; Bristol Township; Tullytown Borough

**FC:** 12; 14

AQ Code:2017M

**PLANNING AREA:** Developed Community

IPD: 4

**PROJECT MANAGER:**

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 4A

Rehabilitation of US Route 13 from PA 413 to Levittown Parkway. Widening to accommodate a new median and new curb/sidewalk from PA 413 to PA Turnpike. Reduction from 6 to 4 lanes, addition of a new median and new curb/sidewalk from PA Turnpike to Levittown Parkway. Includes the addition of left turn lanes. Includes resurfacing and/or reconstruction of the pavement. There will be no alignment change. The existing conditions include 4 – 12' lanes, 10' shoulders and a 4' median from PA 413 to PA Turnpike, and 6 – 12' lanes, 8' shoulders and a 4' median from PA Turnpike to Levittown Parkway. The proposed conditions include 4 – 12' lanes, 8' shoulders/future parking lane, 18' median and 5' sidewalks on both sides. This project will coordinate with MPMS# 65922, 71159, and 77449.

SAFETEA DEMO #71, PA ID #303-- \$4 Million. SAFETEA DEMO #4774, PA ID #584 - \$1 Million.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	NHPP	2,000											
CON	TOLL												
CON	NHPP		3,331										
		2,000	3,331	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		5,331		Total FY2019-2022		0		Total FY2023-2026		0	

**MPMS# 49315**      **Portzer Road at Old Bethlehem Roundabout SR:6309**

**LIMITS**

No Let Date

**IMPROVEMENT** Intersection/Interchange Improvements

MRPID:118

**MUNICIPALITIES:** Milford Township; Richland Township

**FC:** 17

AQ Code:NRS

**PLANNING AREA:** Rural Area; Growing Suburb

IPD:

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

**CMP:** Major SOV Capacity

Adding Subcorr(s): 14C

This project involves the construction of a roundabout at the intersection of Portzer Road (T-354) with SR 4063 (Old Bethlehem Pike). It will be able to accommodate tractor-trailers that head towards the Richland Marketplace (Quakertown's premier retail shopping center) and other shopping centers along Route 309.

SAFETEA DEMO # 3032, PA ID# 495 - \$1.6 MILLION

SAFETEA DEMO #4772, PA ID# 582 - \$1.6 MILLION

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	SXF		100										
FD	SXF				50								
ROW	SXF				75								
UTL	SXF				100								
CON	SXF					1,300							
		0	100	0	225	1,300	0	0	0	0	0	0	0
		Total FY2015-2018		325		Total FY2019-2022		1,300		Total FY2023-2026		0	



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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 50633** **PA 263, Old York Road Concrete Rehabilitation and Overlay SR:0263**

**LIMITS** Bristol Road to PA 413

No Let Date

**IMPROVEMENT** Roadway Rehabilitation

**MUNICIPALITIES:** Buckingham Township; Warminster Township; Warwick Township **FC:** 14

AQ Code:2020M

**PLANNING AREA:** Growing Suburb; Developed Community

IPD: 3

**PROJECT MANAGER:** George Dunheimer ADE CONSTR **CMP:** Minor SOV Capacity

Adding Subcorr(s): 8H, 12A

Reconstruction of PA Route 263 (York Road) for approximately 4 miles between Bristol Road (S.R. 2025) and Sugar Bottom Road (S.R. 2113). Widening to accommodate a continuous center turning lane, left turn lanes and right turn lanes. Includes complete reconstruction of the pavement. There will be no alignment changes. The existing conditions include 4 – 12' lanes, 8' shoulders and a 5' median. The proposed conditions include 4 – 12' lanes, 8' shoulders and an 11' continuous center turning lane. There are sections with sidewalks located within the project limits. No new bike or pedestrian facilities are proposed.

TOLL CREDIT

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
UTL	NHPP	262											
UTL	581	66											
UTL	STU		590										
UTL	581		148										
		328	738	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,066		Total FY2019-2022		0		Total FY2023-2026		0	

**MPMS# 50634** **County Line Road Restoration (M04)(3R) SR:2038**

**LIMITS** Kulp Road to PA 611

Est Let Date: 5/12/2016

**IMPROVEMENT** Roadway Rehabilitation

**MUNICIPALITIES:** Horsham Township; Warrington Township **FC:** 14

AQ Code:S10

**PLANNING AREA:** Growing Suburb

IPD: 0

**PROJECT MANAGER:** Gannett/B. Rasiul **CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 12B

This is a 3R project from Kulp Road to PA 611 and is approximately 2.8 miles in length. The existing roadway consists of two 10' lanes and intermittent shoulders that vary from 2' to 12'. The proposed roadway will consist of milling and overlay and widening to provide two 11' lanes and 5' shoulders. A left turn lane southbound at Titus Ave. will be added. Existing sidewalk and curb is intermittent and will remain/replaced in-kind. One bridge will be replaced and will match the roadway cross section. This project will be coordinated with MPMS #64779.

Typical components of a "3R" project include base repair, milling, overlay, resurfacing, drainage improvements, signal modernization, and guiderail improvements. The intent of a "3R" project is to make improvements necessary to bring the road up to current standards.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	NHPP	679											
FD	581	170											
CON	NHPP				2,788								
CON	581				1,947								
CON	NHPP					7,576							
CON	581					1,894							
		849	0	0	4,735	9,470	0	0	0	0	0	0	0
		Total FY2015-2018		5,584		Total FY2019-2022		9,470		Total FY2023-2026		0	

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 57619** *Route 313 Corridor Improvements SR:0313*

**LIMITS** Ferry Road to Broad Street

Est Let Date: 10/17/2019

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** New Britain Township; Plumstead Township

**FC:** 14

AQ Code:2025M

**PLANNING AREA:** Growing Suburb

IPD: 0

**PROJECT MANAGER:** SAN/VAG

**CMP:** Minor SOV Capacity

This project includes corridor improvements along PA 313 (Swamp Road). Project provides for intersection improvements (left turn lanes) at PA 313 and Ferry Road. A center left turn lane will be provided for the length of the project. Two bridges will be reconstructed.

SAFETEA DEMO #2662, PA ID# 466 - \$1.6 MILLION

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	STP	1,003											
FD	581	250											
ROW	SXF		612										
ROW	581		153										
UTL	581			563									
CON	SXF					1,792							
CON	STU					9,638							
CON	581					2,856							
		1,253	765	563	0	0	14,286	0	0	0	0	0	0
		Total FY2015-2018		2,581		Total FY2019-2022		14,286		Total FY2023-2026		0	

**MPMS# 57624** *Woodbourne Road/Lincoln Highway Intersection Improvements SR:2033*

**LIMITS** Terrace Road to First Street at Old Lincoln Highway

Est Let Date: 12/21/2017

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Middletown Township

**FC:** 14; 16

AQ Code:2020M

**PLANNING AREA:** Developed Community

IPD: 2

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

**CMP:** Minor SOV Capacity

Adding Subcorr(s): 4A, 5I

The proposed roadway improvements will provide additional through lanes, right turn lanes, and left turn lanes along Woodbourne Road from Terrace Road to First Street. The improvements will include traffic signal modifications for the intersections of Old Lincoln Highway and Lincoln Highway with Woodbourne Road. The improvements on Lincoln Highway and Old Lincoln Highway will include additional right turn lanes and lengthening of existing left turn lanes.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	581			1,382									
CON	581				254								
CON	581					1,746							
		0	0	1,382	254	0	1,746	0	0	0	0	0	0
		Total FY2015-2018		1,636		Total FY2019-2022		1,746		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 57625      **Route 232, Swamp Road Safety Improvements SR:0232**

**LIMITS** Neshaminy Creek to PECO Right-of-Way

Est Let Date: 2/25/2016

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Wrightstown Township

**FC:** 16

AQ Code:R2

**PLANNING AREA:** Rural Area

IPD: 0

**PROJECT MANAGER:** EE/J. Detora

**CMP:** Minor SOV Capacity

The purpose of the project is to improve the functionality and safety of the intersection, as well as relieve some traffic concerns due to the heavy truck traffic in the area. This project involves the reconfiguration of the Second Street Pike/Swamp Road intersection, the addition of left turn lanes at all approaches, upgrade the intersection to be signalized, and the addition of an auxiliary passing lane that extends 800 feet north along SR 0232. Additionally, there is a 540 foot taper to bring the road safely back to one lane.

CON (\$3,501,000 estimate) will be drawn from MPMS #57927 at the appropriate time.

### TIP Program Years (\$ 000)

Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>
FD	HSIP		100										
ROW	TOLL												
ROW	HSIP		167										
UTL	TOLL												
UTL	HSIP		300										
CON	TOLL												
CON	HSIP		2,033										
CON	TOLL												
CON	HSIP			700									
		0	2,600	700	0	0	0	0	0	0	0	0	0
<b>Total FY2015-2018</b>				3,300		<b>Total FY2019-2022</b>			0	<b>Total FY2023-2026</b>			0

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 57635** **Quakertown Joint Closed Loop Signal System SR:0309**

**LIMITS** PA 309/California Road/Main Street

Est Let Date: 10/1/2015

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Quakertown Borough; Richland Township

**FC:** 14

AQ Code:2017M

**PLANNING AREA:** Developed Community; Growing Suburb

IPD: 4

**PROJECT MANAGER:** AECOM/E. Reagle

**CMP:** Minor SOV Capacity

Adding Subcorr(s): 14G

The closed-loop traffic signal system will comprise fifteen existing signalized intersections and one proposed signalized intersection along the SR0309 corridor and adjacent streets within the Township and Borough. The project will also include vehicle and pedestrian LED signal indications, emergency vehicle pre-emption, vehicle loop detection, underground conduit and junction boxes, and controller cabinets will be replaced and/or installed at each intersection. Existing signal poles and mast arms that do not meet structural loading requirements will also be replaced. Each controller will be interconnected by aerial fiber-optic cable mounted on utility poles completed under the District's Intelligent Transportation System (ITS) initiatives. In addition, timing changes will be made to accommodate the traffic conditions and master controllers will manage the system from within the Township Building or Quakertown Borough Building for the respective intersections under their jurisdiction.

The 15 Intersections include:

West End Boulevard (SR0309) and Tollgate Road (SR4049)  
 West End Boulevard (SR0309) and Franklin Lane/Station Road  
 West End Boulevard (SR0309) and Richland Mall Driveway  
 West End Boulevard (SR0309) and Trumbauersville Road (SR4051)  
 West End Boulevard (SR0309) and Park Avenue  
 West End Boulevard (SR0309) and John Fries Highway (SR0663)/West Broad Street (SR313)  
 West End Boulevard (SR0309) and Trainer's Corner Access/Quakertown Plaza Access  
 West End Boulevard (SR0309) and Richland Crossing Access  
 West End Boulevard (SR0309) and West Pumping Station Road  
 Main Street and Park Avenue  
 John Fries Highway (SR0663) and Hickory Drive/Trainer's Corner Access  
 Main Street and West Broad Street (SR313)  
 Main Street and Mill Street  
 California Road and Pumping Station Road

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	CAQ	3,695											
		3,695	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		3,695		Total FY2019-2022		0		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

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Pennsylvania - Highway Program (Status: TIP)

## Bucks

**MPMS# 57639** *Newtown-Yardley Road Intersection Improvements SR:0000*

**LIMITS** At Terry Drive/Lower Dolington Road/Friends Lane/P

Est Let Date: 6/4/2015

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Newtown Borough; Newtown Township

**FC:**

AQ Code:2017M

**PLANNING AREA:** Developed Community; Growing Suburb

IPD: 1

**PROJECT MANAGER:** AECOM/E. Reagle

**CMP:** Minor SOV Capacity

Adding Subcorr(s): 13A

Widening and pavement markings to provide one through lane in each direction along with protected left-turn lanes at the intersection of Newtown Yardley Road and Terry Drive/Lower Dolington Road. Installation of a traffic signal at the intersection of Newtown Yardley Road and Friends Lane. The upgrade of existing traffic signal equipment/operations on Newtown Yardley Road. Closed loop system interconnection of traffic signals on Newtown Yardley Road at Terry Drive/Lower Dolington Road, Friends Lane and Penns Trail. This system would be connected to the closed loop system along the Newtown Bypass (SR 0332).

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	STU	918											
CON	581	229											
CON	STU		236										
CON	581		59										
		1,147	295	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,442		Total FY2019-2022		0		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 57641** **Bustleton/Bridgetown Pike Closed Loop Signal System SR:0213**

**Return**

**LIMITS** At Buck Road/Jay Street/Bristol Road

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Lower Southampton Township

**FC:** 14; 16

AQ Code:2015M

**PLANNING AREA:** Developed Community

IPD: 2

**PROJECT MANAGER:** George Dunheimer ADE CONSTR **CMP:** Minor SOV Capacity

Adding Subcorr(s): 5I, 12A

The project consists of the interconnection of a total of ten (10) intersections (nine existing, one proposed) along Bustleton Pike (S.R. 0532) and Bridgetown Pike (S.R. 0213) to relieve congestion and improve traffic flow through the project corridor. In conjunction with the signal interconnection two intersections warrant the construction of additional lanes in order to further relieve congestion. The first is to widen the westbound direction of Bridgetown Pike (S.R. 0213) at Buck Road/Jay Street to provide a shared thru/right turn lane in addition to the existing thru lane. The second is to add a right turn lane with sidewalk to the northbound direction of Bristol Road (S.R. 2025) at its intersection with Bridgetown Pike (S.R. 0213). Additional improvements consist of adding a shared through-right turn lane at the intersection of Bridgetown Pike & Buck Road. This auxiliary lane will be added to the intersection along the southbound direction of Bridgetown Pike. Bridgetown Pike is a 2-lane arterial from Old Bristol Road to Buck Road. However, it is a 4-lane arterial from Buck Road to County Line Road. Currently, vehicles use a long, striped shoulder at this location to make either a right turn onto Buck Road or to continue westbound thru the intersection onto Bustleton Pike using the rightmost existing receiving lane. This project will delineate this lane as a designated thru-right turn lane and lengthen the lane from 75'-0" to approximately 150'-0". Curbing and drainage modifications are proposed along eastbound Bridgetown Pike as part of the widening. In addition a dedicated right-turn lane will be added on northbound direction of Bristol Road at the intersection of Bristol Road and Bridgetown Pike. This approach to the existing T-intersection currently has only one approach lane; therefore right and left turns queue in this single lane. By adding an additional right-turn lane on this approach, more green time can be allocated to the traffic on Bridgetown Pike, thereby improving the flow of traffic on all the approaches of this intersection. Curbing and drainage improvements are proposed along westbound Bristol Road as part of the widening. The eastbound pavement on Bridgetown Pike and the northbound pavement on Bristol Pike will be milled and overlaid along the length of widening.

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	CAQ	700											
CON	TOLL												
CON	CAQ		42										
		700	42	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		742		Total FY2019-2022		0		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 64779 County Line Road Widening SR:2038

LIMITS Stump Road to Lower State Road/Kulp Road

Est Let Date: 9/17/2015

IMPROVEMENT Roadway New Capacity

MRPID:34

MUNICIPALITIES: Horsham Township; Warrington Township; Montgomery Township

FC: 14

AQ Code:2020M

PLANNING AREA: Growing Suburb

IPD: 0

PROJECT MANAGER: Gannett/B.Masi

CMP: Major SOV Capacity

Adding Subcorr(s): 12B

This project includes the widening of S.R. 2038 (County Line Road) from 2 lanes to 5 lanes with 5' shoulders between Stump Road and Lower State/Kulp Road in Horsham, Warrington and Montgomery Townships. The project length is approximately 1.50 miles. The posted speed limit for the project area is 45 MPH and the design speed is 50 MPH. The project also includes intersection improvements to the Lower State Road/S.R. 0152 (Limekiln Pike)/S.R. 2038 intersection and the addition of sidewalks. This section of S.R. 2038 has experienced increased traffic congestion throughout the years. The congestion is expected to worsen due to the ongoing emergence of residential and commercial properties in the area. This project will also eliminate multiple substandard vertical curves along S.R. 2038 which contribute to safety concerns at the intersection with Lower State Road and S.R. 0152. The project may include the construction of two noise barriers and will include 61 partial right of way takes. There are no anticipated residential or commercial relocations as a result of this project. This project will be coordinated with MPMS #50634 and #57623.

Project CMP (Congestion Management Process) commitments include strategies such as improvements for bicyclists, pedestrians, and drivers on the existing road network (operations). See DVRPC's 2008 annual memoranda on supplemental strategies for details related to this project.

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	
CON	NHPP	3,100												
CON	581	775												
CON	NHPP		2,136											
CON	581		534											
CON	NHPP			7,938										
CON	581			1,984										
		3,875	2,670	9,922	0	0	0	0	0	0	0	0	0	
		Total FY2015-2018		16,467		Total FY2019-2022				0	Total FY2023-2026			0

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 64781** *Swamp Road/Pennswood Road Bridge Over Branch of Neshaminy Creek SR:2036*

**LIMITS** Over Branch of Neshaminy Creek

Est Let Date: 7/15/2016

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Newtown Township

**FC:** 16

AQ Code:S19

**PLANNING AREA:** Growing Suburb

IPD: 0

**PROJECT MANAGER:** EE/J. Detora

**CMP:** Not SOV Capacity Adding

This project involves rehabilitating the bridge carrying SR 2036 (Swamp Road) over an unnamed tributary of Neshaminy Creek. The rehabilitation of stone masonry portions of the structure will be in kind. The bridge is located just west of the western entrance of the Bucks County Community College in Newtown Township. The bridge is bordered to the north by the historic Temora farm property and to the south by Tyler State Park. Stone retaining walls extend east and west of the existing bridge along the north side of the roadway. The superstructure of the existing bridge was replaced under an emergency contract in 2004. The existing structure is a single 28 foot span with a clear roadway width of 23.5 feet. Traffic will be maintained during construction and potentially require short term detours for some repairs.

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

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
ROW	581	557											
UTL	581	279											
CON	581			2,517									
CON	185			1,161									
		836	0	3,678	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		4,514		Total FY2019-2022		0		Total FY2023-2026		0	

**MPMS# 69912** *River Road Bridge Over Tohickon Creek SR:0032*

**LIMITS** Over Tohickon Creek

No Let Date

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Plumstead Township; Tinicum Township

**FC:** 6

AQ Code:S19

**PLANNING AREA:** Growing Suburb; Rural Area

IPD: 0

**PROJECT MANAGER:** George Dunheimer ADE CONSTR

**CMP:** Not SOV Capacity Adding

The purpose of this project is to replace the existing structurally deficient and functionally obsolete bridge. This replacement bridge project is located on River Road (SR 32, Sec 520) between Cafferty Road and Ferry Road on the border of Plumstead and Tinicum Townships, Bucks County, Pennsylvania. The project surrounding area is moderately rural and wooded. It is occupied by residential dwelling within the well-preserved 19th and early 20th century village of Point Pleasant. The arch bridge is a contributing resource in the National Register listed Point Pleasant Historic District. This bridge was built in 1919. The proposed pre-cast concrete arch bridge will complement the existing structure. Also, a temporary crossing will be built on the upstream side of the existing bridge to accommodate one lane of traffic during construction. Total approach roadway work is limited to approximately 200 feet.

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

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	STP		744										
CON	STU		848										
		0	1,592	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,592		Total FY2019-2022		0		Total FY2023-2026		0	



# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 70218 Delaware Canal Pedestrian Tunnel

LIMITS Under CSX Spur Line

Est Let Date: 12/3/2015

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Falls Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD: 1

PROJECT MANAGER: EE/DVRPC/J. Banks

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5I

This project provides a component of the East Coach Greenway and will provide for safe, direct trail passage on the towpath. A 12' x 140' tunnel is to be placed under the CSX spur line to accommodate an 8' wide multi-use trail with 8' vertical clearance by a Structural Steel Tunnel Liner Plate System, linking to the existing towpath trail on either side of the Railroad.

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	SXF	700											
CON	STU	1,433											
		2,133	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		2,133		Total FY2019-2022		0		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 74827** *Delaware Canal Enhancement*

**LIMITS** Over Brock Creek, Yardley to Bristol Boroughs

Est Let Date: 5/17/2018

**IMPROVEMENT** Streetscape

**MUNICIPALITIES:** Bristol Borough; Yardley Borough

**FC:**

AQ Code:X12

**PLANNING AREA:** Developed Community

IPD: 1

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

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 4A

The proposed structure will be a single span pre-stressed concrete adjacent box beam bridge for the Aqueduct and a pre-stressed concrete adjacent box beam bridge for the Tow Path.

The existing Delaware Canal Aqueduct and Tow Path Bridge are located over Brock Creek in Delaware Canal State Park, Yardley Borough. The Delaware Canal runs in a northwest to southwest direction through Yardley, almost parallel to Main Street. The Aqueduct is just northwest of the crossing of S.R. 332/Afton Avenue and carries the Delaware Canal over Brock Creek. At the project location, the Delaware River flows parallel to the Delaware Canal approximately 1000 feet northeast of the site.

The existing Aqueduct is a single span reinforced concrete u-slab, having a 24-inch depth, with reinforced concrete abutments and wingwalls. The existing tow path bridge is a single span reinforced concrete arch located on the same substructure as the aqueduct, although it appears to have been constructed at different times. Both of the structures have a clear span of 27.3' and are located on a skew of approximately 61° to Brock Creek. The structures of interest are located in a very flood prone location. It is believed that the low under clearance and short span of the existing aqueduct coupled with debris further reducing the hydraulic opening is the primary reason for flooding.

This project is funded by a \$2,400,000 SAFETEA-LU Earmark (PA ID# 490/FED ID# 2979)

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	SXF			2,640									
CON	LOC			788									
		0	0	3,428	0	0	0	0	0	0	0	0	0
Total FY2015-2018				3,428		Total FY2019-2022			0	Total FY2023-2026			0

**MPMS# 77468** *PA 413, Langhorne Borough Streetscape - Phase I (HTSSRS) SR:0413*

**LIMITS** PA 413 and Pine Street

No Let Date

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Langhorne Borough

**FC:** 2; 14

AQ Code:A2

**PLANNING AREA:** Developed Community

IPD: 0

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

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 4A, 5I

This project involves creating an attractive, safe walkable environment in Langhorne Borough and encourages walking, bicycling & the use of public transportation to help reduce traffic congestion & increase retail trade. Work will occur on (1) SR#413 in Langhorne Borough, specifically between Winchester Avenue south of Twin rail tunnels) to the Southern Boro Line at the Pennwood Library (Bucks County Free Library). Work is within the PennDOT right of way. AND (2) Mayors' playground (SR 213 & SR413) walkway to Heckman Elementary school on Cherry Street and connecting grounds of Woods Services residential treatment center for disabled.

In the spring of 2006 this project was recommended for funding through the Safe Routes to School Program. \$280,712 will be drawn from MPMS #64984 at the appropriate time.

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	STU	296											
		296	0	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018				296		Total FY2019-2022			0	Total FY2023-2026			0

# DVRPC FY 2015-2018 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

## Bucks

**MPMS# 78516** *Bridge Replacement Brownsville Road*

**LIMITS** Brownsville Road over Neshaminy Creek

Est Let Date: 10/15/2017

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:**

**FC:** 17

AQ Code:S19

**PLANNING AREA:**

IPD: 0

**PROJECT MANAGER:** EE/J. Arena

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 5I

This project involves rehabilitating or replacing the Bridge at Brownsville Road over Neshaminy Creek. The improvement is a breakout of MPMS #88706 for Bridge Rehabilitation in order to process federal authorization.

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

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	STP		112										
FD	185		1,311										
CON	STP				3,829								
CON	185				1,022								
CON	STU					1,040							
CON	185					195							
		0	1,423	0	4,851	1,235	0	0	0	0	0	0	0
		Total FY2015-2018		6,274		Total FY2019-2022		1,235		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 80056** *Mill Road Bridge Over Neshaminy Creek*

**LIMITS** Over Neshaminy Creek

No Let Date

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Hilltown Township

**FC:**

AQ Code:S19

**PLANNING AREA:** Growing Suburb

IPD: 0

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

Funds in this project are for PennDOT-incurred costs for Construction.

The project involves the replacement of a two span, concrete encased I-beam bridge built in 1920. The new structure will be single span, prestressed box beam structure placed on existing alignment, which will increase the overall roadway wide from the current 16'6" to 24', increasing travel lanes to 10' and adding shoulders. The bridge opening will be adjusted slightly northward to better align with the stream channel.

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

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	STU	10											
CON	183	2											
CON	LOC	1											
CON	STU		10										
CON	183		2										
CON	LOC		1										
		13	13	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		26		Total FY2019-2022		0		Total FY2023-2026		0	

**MPMS# 84086** *US 1 over PA 213 Maple Avenue Bridge Replacement*

**Return**

**LIMITS**

No Let Date

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:**

**FC:**

AQ Code:S10

**PLANNING AREA:**

IPD:

**PROJECT MANAGER:**

**CMP:**

Funds in FY16 are for Accrued Unbilled Costs (AUC).

This structurally deficient bridge was constructed in 1967 and was rehabilitated in 1996. The bridge extends approximately 2000 feet to the north and 1500 feet to the south of the PA 213 overpass in Middletown Township. US 1 is a limited access freeway with two lanes in each direction. The proposed project includes reconstructing the bridge, reconstructing and reprofiling US 1 in the vicinity of Maple Avenue to improve the vertical clearance at the overpass, increasing the acceleration and deceleration lengths of the four US 1/Maple Avenue ramps, adjusting the traffic signal at the two signalized intersections at the US 1 interchange ramps with Maple Avenue, and adding a short stacking lane along the US 1 northbound exit ramp. US 1 is a limited access freeway facility and therefore does not permit bicycle/pedestrians use of this facility. No bicycle/pedestrian facilities will be incorporated along PA 213.

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	STP		43										
		0	43	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		43		Total FY2019-2022		0		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 86209** **Rockhill Road Bridge over Three Mile Run**

**LIMITS** Rockhill Road Bridge over Three Mile Run

No Let Date

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** East Rockhill Township

**FC:**

AQ Code:S19

**PLANNING AREA:** Rural Area

IPD:

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

**CMP:**

This project is for the Rockhill Road over Three Mile Run bridge replacement project that was selected as part of the Municipal Bridge Retro-Reimbursement Program (MPMS #102105).

The cost of the bridge was \$1,059,094. The municipality was awarded \$847,275 of state bridge (183) funds and 20% of the local share (\$211,819) was funded by the municipality.

Bridge Key: 7599

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	183		847										
CON	LOC		212										
		0	1,059	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018				1,059		Total FY2019-2022			0	Total FY2023-2026			0

**MPMS# 86860** **PA 611 Bridge Over Cooks Creek**

**LIMITS** Over Cooks Creek

Est Let Date: 1/26/2017

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Durham Township

**FC:** 2

AQ Code:S19

**PLANNING AREA:** Rural Area

IPD: 1

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

**CMP:** Not SOV Capacity Adding

This project involves rehabilitating or replacing the superstructure of a 72 feet long, 37 foot wide, single span bridge due to the cracking and bulging of the abutments. The bridge currently has 2 lanes in each direction with 8' shoulders on each side. The bridge has the following condition ratings: deck - 5, super - 4, sub - 4. Sufficiency rating: 44.6

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

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	185	1,591											
ROW	TOLL												
ROW	STU		33										
ROW	STP		31										
UTL	TOLL												
UTL	STU		109										
CON	581				8,115								
		1,591	173	0	8,115	0	0	0	0	0	0	0	0
Total FY2015-2018				9,879		Total FY2019-2022			0	Total FY2023-2026			0

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 86923 PA 309, Sellersville Bypass, Resurfacing (PM1)

LIMITS Church Road to Tollgate Road

Est Let Date: 6/30/2018

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Hatfield Township; Hilltown Township; Richland Township; West Roc FC: 2; 12; 14; 16; 17

AQ Code:S10

PLANNING AREA: Growing Suburb; Rural Area

IPD: 1

PROJECT MANAGER: TSS/M. Fausto

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 14G

This project includes the resurfacing, concrete patching, saw and seal, repair or upgrade guiderail, mile post sign repair and replacement, and pavement marker installation, drainage and safety signage of approximately 17.34 segment miles (both sides).

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	NHPP	1,061											
FD	NHPP				4,776								
FD	581				1,194								
ROW	NHPP			90									
ROW	581			23									
UTL	NHPP			90									
UTL	581			23									
CON	NHPP				3,632								
CON	581				67								
CON	NHPP					12,544							
CON	581					3,136							
CON	NHPP						22,717						
CON	581						4,170						
		1,061	0	226	9,669	15,680	26,887	0	0	0	0	0	0
		Total FY2015-2018		10,956		Total FY2019-2022		42,567		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 87088 Chalfont Pedestrian Facilities (SRTSF) - Round 1

LIMITS US 202, Chalfont to New Britain Borough

Est Let Date: 6/18/2015

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Chalfont Borough; New Britain Borough

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD: 0

PROJECT MANAGER: EE/DVRPC/J. Coscia

CMP: Not SOV Capacity Adding

This project will install crosswalks, curbing, and sidewalks along Route 202, spanning two municipalities and benefiting one elementary school and one middle school.

Proposed improvements include completion of any missing areas of curbing, sidewalk, curbcuts for ADA access, planted concrete islands, painted pedestrian crosswalks, signalized pedestrian railroad crossing, utility adjustments, and replacement of hedges in the way of the proposed sidewalk. The project also includes removal of guiderail on the sides of a bridge to be replaced with sidewalks and a post-rail fence.

This project was awarded \$719,734 in federal Safe Routes to School (SRTSF) funding in May of 2009.

Federal Safe Routes to School Program

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	SRTSF		580										
		0	580	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		580		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 87744 Wall and Pavement Repair, SR 0032 - LG1(River Road)

LIMITS

Est Let Date: 9/17/2015

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Solebury Township

FC: 6

AQ Code:S10

PLANNING AREA: Rural Area

IPD: 0

PROJECT MANAGER: Plans/C. Veiga

CMP: Not SOV Capacity Adding

This project involves the construction of a retaining wall, widening and repair of the bituminous roadway, drainage improvements to help prevent future deterioration of the new wall and roadway, and construction of a guide rail on State Route 0032-LG1(River Road). The location is approximately 200 feet north of Paxon Road to approximately 1,100 feet south of Paxon Road.

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	581	4,436											
		4,436	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		4,436		Total FY2019-2022		0		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 88083** **Stoopville Road Improvements - Phase 2**

**LIMITS** SR 532 to SR 413

Est Let Date: 6/16/2016

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Lower Makefield Township; Newtown Township; Upper Makefield Tow **FC:** 16; 17

AQ Code:R2

**PLANNING AREA:** Developed Community; Growing Suburb; Rural Area

IPD: 0

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

**CMP:** Minor SOV Capacity

This project will construct multiple pedestrian and roadway improvements along Durham Rd, (S.R. 0413), Stoopville Rd, (S.R. 2028), Eagle Rd. (a township road), Washington Crossing Rd. (S.R. 0532), and Highland Rd. (a township road) from the Stoopville Rd./Durham Rd. (S.R. 0413) intersection to the village of Dolington along Washington Crossing Rd. (S.R. 0532). Proposed improvements include:

- (1) Traffic control and gateway signs and painting of stop bars along Washington Crossing Rd. from the Washington Crossing Rd./Dolington Rd. intersection to village of Dolington;
- (2) 6' wide pedestrian walkway along the northern side of Stoopville Rd. from Creamery Rd. to the Stoopville Rd./Washington Crossing Rd. intersection, continuing along the northern side of Washington Crossing Rd. to Highland Rd., along the southern side of Stoopville Rd. from Hemlock Dr. to Eagle Rd., and continuing along the western side of Eagle Rd. to Marigold Dr.; the pedestrian walkway will require the extension of an existing pipe culvert beneath Stoopville Rd. between Highland Rd. and Creamery Rd. to allow the walking path to cross over the tributary;
- (3) Decorative crosswalks and ADA-compliant curb ramps at 3 intersections: (1) Eagleton Farms Rd./Stoopville Rd.; (2) Stoopville Rd./Washington Crossing Rd.; and (3) Highland Rd./Washington Crossing Rd.;
- (4) New traffic signal and widening at the Durham Rd./Stoopville Rd. intersection to provide a left turn lane at the Durham Rd./Stoopville Rd. intersection for vehicles traveling on southbound Durham Rd. to eastbound Stoopville Rd.;
- (5) Modification to the existing signal at the Highland Rd./Washington Crossing Rd. intersection to accommodate a right-turn lane on Highland Rd. and improvements that will provide for both left and right turn lanes for vehicles travelling southbound on Highland Rd. to Washington Crossing Rd.;
- (6) Relocation of utility poles.

The first phase (S.R. 2028, Section ECF) was constructed in June 2010 (see MPMS #84096). This project has \$269,000 earmark funds remaining from a 2008 Appropriations Bill (PA ID #710).

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
FD	581	200											
ROW	581	50											
UTL	581	50											
CON	TOLL												
CON	STP			1,407									
		300	0	1,407	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,707		Total FY2019-2022		0		Total FY2023-2026		0	



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Pennsylvania - Highway Program (Status: TIP)

## Bucks

MPMS# 90327 River Rd o/ Trib Delaware (Bridge)

Return

LIMITS Solebury Township, Bucks County

Est Let Date: 3/30/2017

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Solebury Township

FC: 6

AQ Code:S19

PLANNING AREA: Rural Area

IPD: 0

PROJECT MANAGER: DAVIES/LEF

CMP: Not SOV Capacity Adding

This project involves bridge rehabilitation or replacement of state bridge over a Tributary of the Delaware River on River Road between Laurel Road and Paxon Road in Solebury Township. It is a structurally Deficient bridge breakout project from MPMS #88706. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
ROW	185						61						
UTL	185						61						
CON	185							1,267					
		0	0	0	0	0	122	1,267	0	0	0	0	0
		Total FY2015-2018			0	Total FY2019-2022			1,389	Total FY2023-2026			0

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 92310 Culvert Replacement Group K

LIMITS Various Locations

Est Let Date: 3/12/2015

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Bensalem Township; Doylestown Township; Hilltown Township; Middl FC:

AQ Code:S19

PLANNING AREA: Developed Community; Growing Suburb; Rural Area

IPD:

PROJECT MANAGER: HNTB/N. Velaga

CMP: Not SOV Capacity Adding

This project includes the replacement of various bridges in critical condition with minimal roadway improvements, which is estimated to extend their service life by 100 years. The bridges are as follows:

1. Dublin Pike over Morris Run (Bridge Key 6990) in Hilltown Township
2. Easton Road over Branch Neshaminy Creek (Bridge Key 7061) in Doylestown Township
3. Aquetong Road over Branch Aquetong Creek (Bridge Key 7100) in Solebury Township
4. Hulmeville Road over Chubb Run (Bridge Key 7222) in Middletown Township
5. Old Lincoln Highway over Branch Neshaminy Creek (Bridge Key 7256) in Bensalem Township
6. Almshouse Road over Branch Neshaminy Creek (Bridge Key 7335) in Warwick Township
7. Main Street and Bethlehem Pike over Wertz Creek (Bridge Key 7384) in Sellersville Borough
8. Rocky Ridge Road over Branch Tohickon Creek (Bridge Key 7415) in Richland Township
9. Richlandtown Pike over Cooks Creek (Bridge Key 7419) in Springfield Township
10. State Road over Branch Cooks Creek (Bridge Key 7442) in Springfield Township

Work to be performed will additionally include stream restoration and District-wide "On Demand" bridge repairs. The scope of work will not change the typical section of the roadways or increase their capacities.

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
UTL	581		100										
CON	581	5,133											
CON	581		800										
CON	581			1,767									
		5,133	900	1,767	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		7,800		Total FY2019-2022				0			
										Total FY2023-2026			
										0			

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 92741**      **Main St o/Br Perkiomen Cr (Bridge)**

**LIMITS** Sellersville Borough, North of Park ave Intersection

Est Let Date: 12/8/2016

**IMPROVEMENT** Bridge Repair/Replacement

**MUNICIPALITIES:** Sellersville Borough

**FC:** 14; 17

AQ Code:S19

**PLANNING AREA:** Developed Community

IPD: 0

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

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 14G

This project involves rehabilitating or replacing state bridge over the Perkiomen Creek on Main Street between Maple Avenue and Diamond Street in Sellersville 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.

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	185	610											
FD	185		464										
ROW	NHPP			135									
ROW	185			34									
UTL	185			225									
CON	185					4,299							
		610	464	394	0	4,299	0	0	0	0	0	0	0
		Total FY2015-2018			1,468	Total FY2019-2022			4,299	Total FY2023-2026			0

## Pennsylvania - Highway Program (Status: TIP)

**Bucks****MPMS# 93444**      **Route 1 Improvement-South (Section RC1)****Return****LIMITS** S.R. 0001 (Route 1) - S.R. 2037 (Old Lincoln Highway) to North of PA Turnpike Exchange, Bucks County

Est Let Date: 9/14/2017

**IMPROVEMENT** Roadway Rehabilitation

MRPID:37

**MUNICIPALITIES:** Bensalem Township**FC:** 12; 14; 16

AQ Code:2035M

**PLANNING AREA:** Developed Community

IPD: 2

**PROJECT MANAGER:** TSS/PWB**CMP:** Major SOV Capacity

Adding Subcorr(s): 4A, 5I

The S.R. 0001 Group 03S Section RC1 project, located in Bensalem Township, Bucks County, PA, extends from the S.R. 2037 (Old Lincoln Highway) signalized intersection just north of the Philadelphia/Bucks County line to just south of the Neshaminy interchange, a distance of 1.3 miles. The project encompasses reconstruction and widening of S.R. 0001, including: upgrading of 2 interchanges S.R. 8017 (Street Road) and S.R. 8019 (The PA Turnpike); reconstruction of 4 bridges; and removal of 1 bridge. The improvements for this section of S.R. 0001 are as follows:

-Widening of S.R. 0001 median width to meet current design criteria.

-Raising the S.R. 0001 profile from south of the Street Road interchange to north of the Neshaminy interchange to improve vertical clearances for the S.R. 0001 structures over S.R. 0132 (Street Road), I-0276 (PA Turnpike) and the PA Turnpike Ramps I & J.

-Adding a third travel lane along S.R. 0001 in each direction from the Street Road interchange to north of the PA Turnpike Interchange

-Adding a northbound right-turn lane along S.R. 0001 from the S.R. 2037 (Old Lincoln Highway) intersection north to the Street Road interchange.

-Reconfiguring the Street Road interchange to remove the four (4) traffic movements (ramps) between westbound Street Road and S.R. 0001 northbound and southbound from the northern side of Street Road and adding the movements to the southern side. Removing these movements from the north side of the interchange eliminates access and egress points along S.R. 0001, allowing longer weave lengths between the Street Road interchange and the PA Turnpike interchange. Reconfiguring the interchange includes improvements to the existing ramp geometry and the addition of a ramp in the southwestern quadrant. Traffic signals will be added on Street Road at each of the two (2) proposed ramp intersections. The existing signal timings will be evaluated.

-Adding an auxiliary lane along S.R. 0001 in both the northbound and southbound directions between the Street Road interchange and the PA Turnpike interchange.

-Increasing the existing loop ramp radius to improve design speed to 30 mph and incorporating a second lane on the S.R. 0001 northbound exit ramp to the PA Turnpike at the PA Turnpike interchange.

-Adding an auxiliary lane along S.R. 0001 in both the northbound and southbound directions between the PA Turnpike interchange and Neshaminy interchange.

-Removing the existing Limited Access on Street Road within the S.R. 0001 interchange. Entrances directly accessing S.R. 0001 through the Street Road interchange will be eliminated by relocating the driveways allowing entrances access from Street Road.

-Structure improvements include the replacement of four (4) existing bridges, the removal of one (1) existing bridge, the construction of 1 retaining wall and the construction of 1 noise wall. The existing bridges to be replaced are those that carry S.R. 0001 over S.R. 0132 (Street Road), I-0276 (the PA Turnpike), and the PA Turnpike Ramps I & J. The S.R. 2025 (Bristol Road) bridge over S.R. 0001 will also be replaced. The existing bridge to be removed currently carries S.R. 0001 over a closed private access road located between the PA Turnpike and Neshaminy interchanges.

-This project will include upgrades to guiderail, drainage improvements and signage improvements.

-The reconstruction and widening project also minimizes impacts to the community by avoiding archaeological resources at Neshaminy Creek while improving safety and mobility. Additionally, this alternative avoids historic resources such as the Philadelphia Water Company and the Railroad.

Project CMP components are currently under development in coordination with FHWA, PennDOT, SEPTA, BCPC, and BucksTMA.

Design Parent is MPMS #13549. Route 1 Improvements Northern section RC2 is MPMS #93445. Route 1 Frontage section RC3 is MPMS #93446.

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	NHPP									20,482			
CON	581									5,121			
CON	NHPP										21,502		
CON	581										5,376		
CON	NHPP											21,502	
CON	581											5,376	
CON	NHPP												21,502
CON	581												5,376

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Bucks											
	0	0	0	0	0	0	0	0	0	25,603	26,878
Total FY2015-2018				0		Total FY2019-2022			0	26,878	26,878
										Total FY2023-2026	106,237

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 93445** **Route 1 Improvement-North (Section RC2)**

**Return**

**LIMITS** Route 1 - Neshaminy and Penndel Interchanges, Bucks County

Est Let Date: 2/15/2020

**IMPROVEMENT** Intersection/Interchange Improvements

MRPID:37

**MUNICIPALITIES:** Middletown Township; Bensalem Township

**FC:** 12; 14; 17

AQ Code:2035M

**PLANNING AREA:** Developed Community

IPD: 0

**PROJECT MANAGER:** TSS/PWB

**CMP:** Major SOV Capacity

Adding Subcorr(s): 4A, 5I

The S.R. 0001 Group 03S Section RC2 project, located in Bensalem and Middletown Townships, Bucks County, PA, extends from a point just south of the Neshaminy Interchange to just south of S.R. 2045 (Old Lincoln Highway), a distance of 1.5 miles. The project encompasses reconstruction and widening of S.R. 0001, including: upgrading 2 interchanges S.R. 8055 (Neshaminy) and S.R. 8067 (Penndel); and reconstruction of 3 bridges. The improvements for this section of S.R. 0001 are as follows:

-Widening of S.R. 0001 median width to meet current design criteria.

-Raising the S.R. 0001 profile from just south of the Neshaminy interchange to north of the Neshaminy interchange to improve vertical clearances for the S.R. 0001 structure over S.R. 2044 (Rockhill Drive).

-Adding a third travel lane along S.R. 0001 in each direction from just south of the Neshaminy interchange north to the Penndel interchange.

-Adding an auxiliary lane along S.R. 0001 in both the northbound and southbound directions between the PA Turnpike interchange and Neshaminy interchange.

-Reconfiguring the Neshaminy interchange to relocate the ramp from Rockhill Drive to S.R. 0001 northbound from the northeastern quadrant of the interchange to the southeastern quadrant as a loop ramp, eliminating the left turn movement immediately west of the existing Neshaminy Mall traffic signal. Improving the geometry of the interchange ramps, where feasible. Modification to both existing signalized intersections on Rockhill Drive to improve traffic flow into and out of the Neshaminy Mall and the Horizon Corporate Center.

-North of the Neshaminy interchange, adding/lengthening auxiliary (acceleration and deceleration) lanes along S.R. 0001 in both the northbound and southbound directions for ramps to and from Rockhill Drive.

-Structure improvements include the replacement of 3 existing bridges, the construction of 5 retaining walls and the possible construction of 1 noise wall. The existing bridges to be replaced are those that carry S.R. 0001 over Rockhill Drive, Neshaminy Creek, and Business Route 1 and the CSX and SEPTA rail lines.

-S.R. 0001 southbound will be realigned across Neshaminy Creek to allow traffic to be maintained on the existing bridge during construction of the proposed structure on new alignment. Traffic will be switched to the new S.R. 0001 southbound structure during demolition of the existing bridge and construction of the proposed S.R. 0001 northbound structure. Similarly, S.R. 0001 northbound will be realigned across the CSX/SEPTA Railroad and Business Route 1 to allow traffic to be maintained on the existing bridge during construction of a new S.R. 0001 northbound structure. Traffic will be switched to the new S.R. 0001 northbound structure during demolition of the existing bridge and construction of the proposed S.R. 0001 southbound structure.

-Pedestrian walkways and transit stops along Rockhill Drive will be investigated.

-This project will include upgrades to guiderail, drainage improvements and signage improvements.

-The reconstruction and widening project minimizes impacts to the community by avoiding archaeological resources at Neshaminy Creek while improving safety and mobility. Additionally, this project avoids historic resources such as the Philadelphia Water Company and the Railroad.

Project CMP components are currently under development in coordination with FHWA, PennDOT, SEPTA, BCPC, and BucksTMA.

Design Parent is MPMS #13549. Route 1 Improvements Southern section RC1 is MPMS #93444. Route 1 Frontage section RC3 is MPMS #93446.

TIP Program Years (\$ 000)														
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	
CON	NHPP								26,095					
CON	581								6,524					
CON	NHPP									26,095				
CON	581									6,524				
CON	NHPP										26,095			
CON	581										6,524			
CON	NHPP											26,095		
CON	581											6,524		
		0	0	0	0	0	0	0	32,619	32,619	32,619	32,619	0	
		Total FY2015-2018				0	Total FY2019-2022			32,619	Total FY2023-2026			97,857

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 93446** **Route 1 Improvement Frontage Corridor (Section RC3)**

**Return**

**LIMITS** Route 1 - Frontage Road Corridor, Bucks County

Est Let Date: 2/13/2020

**IMPROVEMENT** Roadway New Capacity

MRPID:37

**MUNICIPALITIES:** Langhorne Manor Borough; Middletown Township

**FC:** 12; 19

AQ Code:S10

**PLANNING AREA:** Developed Community

IPD: 0

**PROJECT MANAGER:** TSS/PWB

**CMP:** Major SOV Capacity

Adding Subcorr(s): 4A, 5I

The S.R. 0001 Group 03S Section RC3 project extends from the northern end of the S.R. 0001 bridge over the CSX railroad to approximately 700 feet north of the S.R. 0413 (PA 413/Pine Street) bridge over S.R. 0001, a distance of 2.5 miles. This project includes the 2.0 mile +/- segment of frontage (service) road corridor.

The S.R. 0001 Group 03S Section RC3 project includes Resurfacing, Restoration and Rehabilitation (3R) improvements to S.R. 0001 and the frontage roads, reconstruction of 1 bridge (West Interchange Road over S.R. 0001), and the rehabilitation of 1 bridge (S.R. 0001 over S.R. 2008). The primary proposed improvements for this section of S.R. 0001 are as follows:

- Widening of S.R. 0001 median width from 4' to 10' to meet current design criteria.
- Replacement of 12,100 ft. of existing double-face guide rail median barrier and 985 ft. of existing concrete median barrier with concrete glare screen.
- Removal of existing raised concrete islands separating the mainline S.R. 0001 travel lanes from the frontage road to be replaced with 12'-0" paved outside shoulders along the mainline travel lanes and concrete median barrier between the proposed mainline outside shoulder and the frontage road.
- Closing the existing intermediate crossovers between the mainline S.R. 0001 travel lanes and the frontage roads.
- Updating the overhead guide signage for the project corridor due to the revised frontage road access and for coordination with the S.R. 0001 Sec. RC1, RC2 and LHB projects.
- Relocating the existing ITS infrastructure, including conduit throughout the corridor and ITS CCTV camera assembly, communications cabinets and VD sensor assemblies that are supported by the affected overhead guide signs.
- Lengthening of the acceleration lanes from the frontage roads onto S.R. 0001 in the northbound and southbound directions to meet current design criteria.
- Relocating the existing roadway inlets along the existing double face median guide rail and existing raised concrete traffic islands to along the proposed concrete glare screen and proposed concrete median barrier.
- Structure improvements include the replacement of one existing functionally obsolete bridge (West Interchange Road over S.R. 0001) along the existing horizontal alignment and the rehabilitation of one bridge (S.R. 0001 over S.R. 2008) including superstructure replacement.

Design Parent is MPMS #13549

Route 1 Improvements Northern section RC2 is MPMS #93445

Route 1 Improvements Southern section RC1 is MPMS #93444

Project CMP (Congestion Management Process) commitments are currently under development.

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
UTL	NHPP				1,020								
UTL	581				255								
CON	TOLL												
CON	STU				14,326								
CON	STU					18,134							
CON	TOLL												
		0	0	0	15,601	18,134	0	0	0	0	0	0	0
		Total FY2015-2018		15,601		Total FY2019-2022		18,134		Total FY2023-2026		0	

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 95439** **I-95, PA Turnpike Interchange (TPK)- Section D10**

**LIMITS** Exit 28 to 29 and parts of I-95, PA 413 and PA 2049

Actl Let Date: 6/5/2014

**IMPROVEMENT** Intersection/Interchange Improvements

MRPID:35

**MUNICIPALITIES:** Bensalem Township; Bristol Township; Middletown Township

**FC:**

AQ Code:2020M

**PLANNING AREA:** Developed Community

IPD: 2

**PROJECT MANAGER:** AECOM/MG

**CMP:** Major SOV Capacity

Adding Subcorr(s): 1A, 4A

The interstate completion project will connect I-95 and I-276 in Pennsylvania; facilitate a revised routing of I-95 in PA and NJ, and make I-95 continuous along the east Coast from Florida to Maine.

Stage 1 of the project involves the construction of the I-95 mainline flyovers of the interchange between I-95 and the PA Turnpike, a new mainline toll plaza west of this interchange, replacement of the existing River Bridge toll plaza with an all-electronic (AET) on road toll facility in the westbound direction, and removal of the existing US13 interchange toll facility. This project is integral to the Delaware Valley Freight Corridors initiative.

Stage 1 construction has been broken down into several contracts and expected completion is in 2018. This MPMS# 95439 is for contract D10. The I-95/Pennsylvania Turnpike Interchange Project Construction Contract D10 includes the widening and reconstruction of the mainline Pennsylvania Turnpike in Bristol Township, Bucks County, from a point approximately 100 feet west of the S. R. 0095 overpass (approximate I-276 Milepost 355.7 near Durham Road) to a point 500 feet west of the Delaware River Bridge Toll Plaza (approximate I-276 Milepost 358.2), piers for the I-95 flyover ramps, and the replacement of the Turnpike Mainline Bridges over Durham Road, Veterans Highway (PA 413) and Mill Creek.

Overall, Stage 1 work along the turnpike mainline includes full depth pavement reconstruction and overlay, pavement markings, signing, stormwater management facilities, erosion and sedimentation control measures, new bridges, bridge substructure units, sound walls, retaining walls, bridge rehabilitations, culvert extensions, sign structures, removal of existing bridges, bridge approach slabs, guiderail, sanitary sewer work, CCTV, highway lighting, stream mitigation, and drainage. The project also includes roadway improvements along S.R. 0413 from Segment 0101 Offset 1378 to Segment 0101 Offset 2703 and S.R. 2049 from Segment 0040 Offset 0000 to Segment 0040 Offset 1212. Work includes traffic signals, pavement reconstruction, concrete curb, design-build pedestrian ramps, guiderail, drainage facilities, utility relocation, and other miscellaneous construction.

This is a partnership project of the Pennsylvania Turnpike Commission (PTC), PennDOT and FHWA. Use of toll credits was approved by PENNDOT in 2003. Stage 1 of the project is eligible for federal funds. The PTC is committed to the advancement of the I-95 project to its completion utilizing a combination of funding sources; however, the PTC is not seeking any additional regionally allocated federal or state DVRPC TIP funds in order to complete the project. Also refer to MPMS #13347 and MPMS #95444 for this project.

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

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	SPK-NH	30,000											
CON	TPK	11,000											
CON	SPK-NH		20,000										
CON	TPK		25,000										
CON	SPK-NH			20,000									
CON	TPK			18,000									
		41,000	45,000	38,000	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		124,000		Total FY2019-2022		0		Total FY2023-2026		0	



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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 95444 I-95, PA Turnpike Interchange (TPK)- Section D20

New-B

#### LIMITS

Est Let Date: 7/16/2015

IMPROVEMENT Intersection/Interchange Improvements

MRPID:35

MUNICIPALITIES: Bristol Township

FC:

AQ Code:2025M

PLANNING AREA: Developed Community

IPD: 2

PROJECT MANAGER: AECOM/MG

CMP: Major SOV Capacity

Adding Subcorr(s): 1A, 4A

The interstate completion project will connect I-95 and I-276 in Pennsylvania; facilitate a revised routing of I-95 in PA and NJ, and make I-95 continuous along the east Coast from Florida to Maine.

Stage 1 of the project involves the construction of the I-95 mainline flyovers of the interchange between I-95 and the PA Turnpike, a new mainline toll plaza west of this interchange, replacement of the existing River Bridge toll plaza with an all-electronic (AET) on road toll facility in the westbound direction, and removal of the existing US13 interchange toll facility. This project is integral to the Delaware Valley Freight Corridors initiative.

Stage 1 construction has been broken down into several contracts and expected completion is in 2018. MPMS #95444 is for contract D20. The I-95/Pennsylvania Turnpike Interchange Project Construction Contract D20 in Bristol Township, Bucks County, includes the widening and reconstruction of approximately 0.7 miles of I-95 northbound and 1.4 miles of I-95 southbound between the Neshaminy Creek and the connection with I-276 (PA Turnpike). It includes the construction of new interchange connections with I-276 for both I-95 northbound and I-95 southbound. The project also includes the reconstruction of proposed I-195 EB/WB (existing I-95 NB/SB) between Ford Road and the I-276 overpass. Also, D20 includes the construction of a ramp connection to link I-276 EB to I-95 SB and a collector-distributor road located to the west of the existing I-276 overpass adjacent to proposed I-195 WB. Four ramps will also be partially reconstructed at the SR8005 interchange with SR0413.

Overall, Stage 1 work along I-95 and the turnpike mainline includes full depth pavement reconstruction and overlay, pavement markings, signing, stormwater management facilities, erosion and sedimentation control measures, CD Road, new bridges, bridge substructure units, sound walls, retaining walls, bridge rehabilitations, culvert extensions, sign structures, removal of existing bridges, bridge approach slabs, guiderail, sanitary sewer work, CCTV, highway lighting, stream mitigation, and drainage.

This is a partnership project of the Pennsylvania Turnpike Commission (PTC), PennDOT and FHWA. Use of toll credits was approved by PENNDOT in 2003. Stage 1 of the project is eligible for federal funds. The PTC is committed to the advancement of the I-95 project to its completion utilizing a combination of funding sources; however, the PTC is not seeking any additional regionally allocated federal or state DVRPC TIP funds in order to complete the project. Also refer to MPMS #13347 and MPMS #95439 for this project.

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

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	SPK-NH		34,288										
CON	TPK		32,000										
CON	SPK-NH			21,012									
CON	TPK			25,000									
CON	SPK-NH				31,500								
		0	66,288	46,012	31,500	0	0	0	0	0	0	0	0
		Total FY2015-2018		143,800		Total FY2019-2022		0		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 96071 Bucks County Bridge Deck Sealing

#### LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

FC:

AQ Code:S10

PLANNING AREA:

IPD:

PROJECT MANAGER: George Dunheimer ADE CONSTR CMP:

This is a preventative maintenance project that contains various structures in Bucks County for bridge deck sealing.

TIP Program Years (\$ 000)													
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>
CON	TOLL												
CON	NHPP	99											
CON	TOLL												
CON	STU		125										
		99	125	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		224		Total FY2019-2022		0		Total FY2023-2026		0	

MPMS# 96217 Central Bucks Congestion Mitigation

LIMITS State Route 152 in Chalfont Borough

Est Let Date: 2/12/2015

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Chalfont Borough

FC: 16

AQ Code:2017M

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: HNTB/N. Velaga CMP: Minor SOV Capacity

This project entails three traffic signal improvements on Route 152 in central Bucks County. Improvements include: (1) the installation of Adaptive Signal Control Technology (ASCT) and Closed Circuit Television (CCTV) for two traffic signals within 100 yards of each other on North Main Street at the intersections of Sunset Avenue and Park Avenue; (2) installation of "Wavetronix" radar detection system for one traffic signal that can alleviate timing and idling issues at Lindenfield Parkway; and (3) adding pedestrian countdown signals for all three traffic signals.

This project was awarded \$230,400 CMAQ funds from DVRPC's 2011-2012 Competitive CMAQ Program on October 25, 2012.

TIP Program Years (\$ 000)													
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>
CON	CAQ	230											
CON	LOC	58											
		288	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			288	Total FY2019-2022			0	Total FY2023-2026			0

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 96221** *Multi-Modal Enhancements to New Britain Station*

**Return**

**LIMITS** S. Tamendend Ave. between Butler Ave. and SEPTA New Britain Train Station

No Let Date

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** New Britain Borough

**FC:**

AQ Code:A2

**PLANNING AREA:** Developed Community

IPD:

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

**CMP:**

Traffic flow improvements and pedestrian access improvements at the existing signalized intersection of Tamenend Avenue and SR 202 will reduce emissions by shortening diverted trips, by reducing delay for vehicles waiting to turn at the unsignalized driveway and by reducing congestion created by the one- way street. The pedestrian push buttons and crosswalks will increase opportunities for walking and bicycling trips to the train station from the nearby residential area and from SR 202. Funding will also provide the construction of an eight to ten feet (8-10') shared-use path for bicyclists and pedestrians between the Tamenend Avenue/SR 202 intersection and the New Britain SEPTA station, including modifications of the railroad crossing surface and equipment to safely accommodate the shared-use path crossing.

October 25, 2012 - This project received a 2011-2012 DVRPC competitive CMAQ award in the amount of \$169,600.

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 \$150,000 on 11/10/2014 through the statewide TAP program (MPMS #60560) out of the \$7.8 million awarded to the region. Statewide, PennDOT made \$33 million available for 56 projects across the state.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TAP			150									
		0	0	150	0	0	0	0	0	0	0	0	0
<b>Total FY2015-2018</b>				150		<b>Total FY2019-2022</b>		0		<b>Total FY2023-2026</b>		0	

**MPMS# 97991** *Doylestown Township Signals Upgrade (ARLE 3)*

**ARLE**

**LIMITS**

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Doylestown Township

**FC:**

AQ Code:NRS

**PLANNING AREA:** Developed Community

IPD:

**PROJECT MANAGER:**

**CMP:** Not SOV Capacity Adding

This project funded by the Automated Red Light Enforcement (ARLE) Round 3 program will upgrade existing traffic signals from incandescent bulbs to LEDs at the following locations: Swamp Road (SR0313) at Ferry Road (SR1006), Swamp Road (SR0313) at Pine Run Road (T-401)/Saw Mill Road (T-391), Almshouse Road (SR 2089) at Barn Plaza/Doylestown Point Plaza, Easton Road (SR0611) at Doylestown Point/Neshaminy Manor Driveways, Easton Road (SR0611) at Barn Plaza Shopping Center/Bucks County Prison, Easton Road (SR0611) at Edison-Furlong Road (SR2079), East State Street (SR3002) at East Road (T-351), Easton Road (SR0611) at Swamp Road (SR0313)/Old Easton Road (T-403). As required by PennDOT, District 6-0 Traffic Unit the Traffic Signal Permit plans will be revised as necessary.

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

Round 3 (2012 ARLE funds) award: \$90,000. Round 3 of ARLE awarded approximately a total of \$4.7 million statewide.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	244	90											
		90	0	0	0	0	0	0	0	0	0	0	0
<b>Total FY2015-2018</b>				90		<b>Total FY2019-2022</b>		0		<b>Total FY2023-2026</b>		0	

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 98221 *Stock's Grove Road over Beaver Creek*

#### LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Nockamixon Township

FC:

AQ Code:S19

PLANNING AREA: Rural Area

IPD: 1

PROJECT MANAGER: TSS/S. New

CMP: Not SOV Capacity Adding

This project is a bridge rehabilitation of Stock's Grove Road over Beaver Creek in Nockamixon Township, Bucks County.

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

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

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	183	280											
PE	LOC	70											
		350	0	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018					350	Total FY2019-2022			0	Total FY2023-2026			0

MPMS# 102272 *Holland Road at Buck Road and Route 532*

New

#### LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Northampton Township

FC:

AQ Code:S19

PLANNING AREA: Developed Community

IPD: 0

PROJECT MANAGER:

CMP: Minor SOV Capacity

Replacement of Buck Road Bridge over Mill Creek with wider structure to accommodate turning lanes for Buck Road/Old Bristol Road Intersection. Additional turning lanes at Buck Road/Old Bristol Road Intersection. Improvements at Buck Road/Holland Road Intersection. Access management and the addition of sidewalks throughout corridor.

Project Limits: Buck Road from 1,200 feet south of intersection with Old Bristol Road to 1,500 feet north of intersection with Holland Road.

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	581							6,033					
PE	581								5,000				
FD	581								1,305				
ROW	185									672			
UTL	185									336			
CON	581										5,623		
CON	185										5,105		
		0	0	0	0	0	0	6,033	6,305	1,008	10,728	0	0
Total FY2015-2018					0	Total FY2019-2022			12,338	Total FY2023-2026			11,736

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 102278** **Newtown Bypass and Street Road Adaptive Signal Controls**

**Return**

**LIMITS** Philmont Ave to State Road and Durham Rd/Newtown Shopping Cntr to I-95

Actl Let Date: 10/9/2014

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Bensalem Township; Newtown Township

**FC:**

AQ Code:2017M

**PLANNING AREA:** Developed Community; Growing Suburb

IPD:

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

Funds in the FY2015 TIP are allocated for recent low bids plus inspection.

Funds will provide for Adaptive Traffic Signal Control on Street Road from Philmont Avenue to State Road in Bensalem Township and on the Newtown Bypass from Durham Road/Newtown Shopping Center Driveway to the intersection of I-95 and Newtown Bypass in Newtown Township, Bucks County. This project will upgrade 35 total existing static closed loop system traffic signals to more responsive adaptive traffic signal systems at 13 intersections along the Newtown Bypass, 19 intersections along Street Road, and three (3) adjacent intersections along corridors intersecting with Street Road (Hulmeville Road, Mechanicsville Road).

As major thoroughfares, the Newtown Bypass and Street Road are congested subcorridors in the DVRPC Congestion Management Process where existing static closed loop system traffic signals cannot adequately adjust to changing traffic volumes unlike adaptive signal control systems. Both are also found on the statewide High Crash List. The Street Road corridor in Bensalem Township is ranked highest on the state's High Crash List and sections of the Newtown Bypass are ranked #163 and #260th in the state. The Newtown Bypass serves as a primary route for moving regional commuters and quarry trucks to and from I-95 carrying 15,000 to 21,000 directional vehicles per day, while Street Road connects I-95 and the Pennsylvania Turnpike through densely developed areas carrying 20,000 directional vehicles per day.

Recent PennDOT experience when deploying responsive adaptive traffic signal systems has resulted in 30 to 40 percent reductions in travel time, stops, and delay. Reducing traffic congestion on both roads can additionally make it plausible to address safety concerns by adding protected left turn phases at intersections.

		TIP Program Years (\$ 000)												
Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>	
CON	TOLL													
CON	CAQ	62												
		62	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2015-2018			62	Total FY2019-2022				0	Total FY2023-2026			0

**MPMS# 102283** **SR 313/SR 563 New Traffic Signal (ARLE 4)**

**ARLE**

**LIMITS** Mountain View Road (SR 563) and Dublin Pike (SR 313) intersection

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** East Rockhill Township

**FC:**

AQ Code:R2

**PLANNING AREA:** Rural Area

IPD: 0

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

This project funded by the Automated Red Light Enforcement (ARLE) Round 4 program will be used to install a traffic signal at the intersection of Mountain View Road (SR 563) and Dublin Pike (SR 313) in East Rockhill Township.

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

Round 4 (2013 ARLE funds) award: \$160,000. Round 4 of ARLE awarded approximately a total of \$8.8 million statewide.

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 102284** **SR 202 (Lower York Road) Traffic Signal Interconnect System (ARLE 4)**

**ARLE**

**LIMITS**

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Solebury Township

**FC:**

AQ Code:2017M

**PLANNING AREA:** Rural Area

IPD: 0

**PROJECT MANAGER:**

**CMP:** Not SOV Capacity Adding

This project funded by the Automated Red Light Enforcement (ARLE) Round 4 program will be used to provide a signal interconnect system for three existing traffic signals along Lower York Road (SR 202) at Shire Drive, Kitchens Lane/SR 0179, and Sугan Road in Solebury Township.

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

Round 4 (2013 ARLE funds) award: \$165,000. Round 4 of ARLE awarded approximately a total of \$8.8 million statewide.

**MPMS# 102285** **County Line Road Intersection Improvements (ARLE 4)**

**ARLE**

**LIMITS**

No Let Date

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Telford Borough (part) \*; Telford Borough (part) \*

**FC:**

AQ Code:NRS

**PLANNING AREA:** Developed Community

IPD: 1

**PROJECT MANAGER:**

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 11A, 14C

This project funded by the Automated Red Light Enforcement (ARLE) Round 4 program will be used to upgrade existing signals to LED signals, ADA compliant pedestrian push buttons, and new controllers at two intersections along County Line Road and the restriping of County Line Road at the Church Road intersection to allow for left turn lanes in Telford Borough.

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

Round 4 (2013 ARLE funds) award: \$183,000. Round 4 of ARLE awarded approximately a total of \$8.8 million statewide.

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 102288 SR 132 Traffic Signal Communication System (ARLE 4)**

**ARLE**

**LIMITS** Street Road (SR 132) from Valley Road to Centennial Road

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Warminster Township

**FC:**

AQ Code:2017M

**PLANNING AREA:** Developed Community

IPD: 0

**PROJECT MANAGER:**

**CMP:** Minor SOV Capacity

Adding Subcorr(s): 12A, 14F

This project funded by the Automated Red Light Enforcement (ARLE) Round 4 program will be used to provide a cohesive communication system for traffic signals at 15 signalized intersections along Street Road (SR 132) from Valley Road to Centennial Road in Warminster Township

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

Round 4 (2013 ARLE funds) award: \$90,000. Round 4 of ARLE awarded approximately a total of \$8.8 million statewide.

**MPMS# 102374 SR 132 Resurfacing BucksCo**

**Return**

**LIMITS** Street Rd from Davisville Rd to Bustleton Pike (SR 0532) & from Easton Rd (SR 0611) to Davisville Rd.

No Let Date

**IMPROVEMENT** Roadway Rehabilitation

**MUNICIPALITIES:** Lower Southampton Township; Upper Southampton Township; Warm **FC:**

AQ Code:S10

**PLANNING AREA:** Developed Community; Growing Suburb

IPD:

**PROJECT MANAGER:** Maint./L. Ryan

**CMP:** Not SOV Capacity Adding

18.06 total segment miles of resurfacing on Street Road from Davisville Road to Bustleton Pike (SR 0532) in Warminster, Upper Southampton, Lower Southampton Townships and Street Road from Easton Road (SR 0611) to Davisville Road in Warrington and Warminster Townships in Bucks County.

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	581		690										
		0	690	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		690		Total FY2019-2022		0		Total FY2023-2026		0	



# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 102375 SR611/SR1001 Pave/Reconst

Return

LIMITS PA 611 (Easton Road) and State Route 1001 (Main Street)

Actl Let Date: 7/10/2014

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Doylestown Borough

FC:

AQ Code:S10

PLANNING AREA: Developed Community

IPD:

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

13.1 total segment miles of pavement/reconstruction of curb cut ramps to latest Americans with Disability Act (ADA) standards, along PA 611 (Easton Road) and State Route 1001 (Main Street) in Bucks County.

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	581	100											
		100	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			100	Total FY2019-2022			0	Total FY2023-2026			0

MPMS# 102666 Branch Road over E. Branch Perkiomen Creek (CB(239))

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: East Rockhill Township

FC:

AQ Code:S19

PLANNING AREA: Rural Area

IPD: 0

PROJECT MANAGER: TSS/S. New

CMP: Not SOV Capacity Adding

Bucks County Bridge No. 239 carries Branch Road over the Perkiomen Creek in East Rockhill Township. The County Bridge was closed in August, 2010 due to structural deficiencies. The scope of work for the completed repairs and rehabilitation consisted of: removal and replacement of steel stringers; construction of new concrete deck; installation of new deck joints; installation of deck protective coatings; reconstruction of abutment backwalls; cleaning and painting of steel trusses; construction of concrete parapets and moment slabs at approaches; and installation of rip rap scour protection at abutments. In addition to structural repairs, the following roadway work was performed: full depth paving reconstruction; milling and bituminous overlay; installation of guiderail; painting of traffic lane lines; installation of bridge plaque; and, installation of bridge signage.

This project has been approved for retro-reimbursement procedure. Funding for this project will be drawn down from the County Bridge Line Item (MPMS #95447) at the appropriate time.

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

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	183	8											
PE	LOC	2											
FD	183	48											
FD	LOC	12											
CON	183	420											
CON	LOC	115											
		605	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			605	Total FY2019-2022			0	Total FY2023-2026			0



# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 102667 Quarry Road over Morris Run (CB# 244)

#### LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Hilltown Township

FC:

AQ Code:S19

PLANNING AREA: Growing Suburb

IPD: 0

PROJECT MANAGER: TSS/S. New

CMP: Not SOV Capacity Adding

Bucks County Bridge No. 244 is a 61' single span steel truss bridge that carries Quarry Road over Morris Run in Hilltown Township. This Pratt Pony Truss bridge was originally built in 1889 and reconstructed in 1934. The scope of work for the completed repairs and rehabilitation consisted of: removal and replacement of steel stringers; installation of new steel grid deck; installation of new stringer bearings; repair of steel floor beams; reconstruction of abutment backwalls; repointing of all stone masonry; cleaning and painting of steel trusses; construction of concrete collar at north abutment; and installation of rip rap scour protection at both abutments. In addition to structural repairs, the following roadway work was performed: full depth paving reconstruction; milling and bituminous overlay; installation of guiderail; installation of bridge plaque; and, installation of bridge signage.

This project has been approved for retro-reimbursement procedure. Funding for this project will be drawn down from the County Bridge Line Item (MPMS #95447) at the appropriate time.

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

### TIP Program Years (\$ 000)

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
PE	183	4											
PE	LOC	1											
FD	183	20											
FD	LOC	5											
CON	183	268											
CON	LOC	67											
		365	0	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018		365				Total FY2019-2022				0			
										Total FY2023-2026			
										0			

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 102830** *Neshaminy Greenway Trail (Bristol to Upper State) (TAU)*

**New**

**LIMITS** Lenape Lane to Upper State

No Let Date

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Chalfont Borough; New Britain Borough; New Britain Township

**FC:**

AQ Code:A2

**PLANNING AREA:** Developed Community; Growing Suburb

IPD:

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

**CMP:**

Construction of the Neshaminy Greenway Trail (NGT) from Lenape Lane to Upper State Road will occur. The trail will be an ADA compliant shared use path, and will complete a missing link in the NGT, providing a connection to the 202 bypass. This project will close a critical gap in Buck's Counties primary trail and greenway plan. It will improve access to the Chalfont and New Britain SEPTA Train Stations, create a safe route to the Unami Middle School and Delaware Valley University for students and employees, improve access to natural areas along the Neshaminy Creek, create non-motorized transportation options and promote bicycle/pedestrian connections to the 9 mile long 202 Parkway Trail and create a safer off-road bike/pedestrian facility in the area. With this trail connection complete, over 30 miles of safe trail will be accessed, through two counties and eight municipalities.

This project is consistent with the Bucks County Park and Open Space and Greenways Plan (2011), the Tri-Municipal Trails Plan, the Doylestown Bike and Hike Plan/Map, and connects to the Bicycle PA Route S on the statewide bicycle touring system.

Project was awarded \$1,225,000 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	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>
CON	TAU												
		0	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			0	Total FY2019-2022			0	Total FY2023-2026			0

# DVRPC FY 2015-2018 TIP for PA

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## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 102831** **Solebury Route 202 Gateway Trail (TAP)**

**LIMITS** Route 32 (River Road)/Lower York Road (Rt 202 Spur) to Route 32/Chapel Road(CanalPk&MagillsHillPk)

No Let Date

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Solebury Township

**FC:**

AQ Code:A2

**PLANNING AREA:** Rural Area

IPD:

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

**CMP:**

This project will provide for the construction of 1.68 miles of the Route 32 trail segment of the Bucks County Cross-County 202 Trail, which will provide a critical missing trail segment of the Route 202 corridor between the existing D&L National Trail (in Solebury Twp.) and the existing Route 202 Parkway trail (in Doylestown). It will complete the Route 32 segment of the Bucks Cross County 202 Trail. Construction will further include the following:

- Retire one northbound lane of Route 32 (from 202 Connector Road to Canal Park entrance)
- Construct a new off-road multi-use trail segment and vegetated bioswale between trail and roadway
- Construct new pedestrian crossing on Route 32 (linking Canal and Magill's Hill Parks / parking areas)
- Construct a new off-road multi-use trail segment from the Route 32 crosswalk to Magill's Hill parking
- Install interpretive, informational, D&L Corridor branding, and universal access location signage.

\$980,859 Regional TAP funds were approved during the 2014 project selection process, to be programmed at the appropriate time, drawing funds from MPMS #64984.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TOLL												
CON	TAU		981										
		0	981	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			981	Total FY2019-2022			0	Total FY2023-2026			0

**MPMS# 104162** **Video Traffic Signal Detection Upgrade (ARLE 5)**

**LIMITS**

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Doylestown Township

**FC:**

AQ Code:NRS

**PLANNING AREA:** Developed Community

IPD:

**PROJECT MANAGER:** MS/V. Temino

**CMP:** Not SOV Capacity Adding

This project was selected as part of PennDOT's Automated Red-Light Enforcement (ARLE) Round 5 program. Existing vehicular and volume density loop detectors with video and digital wave radar detectors will be replaced at the Upper State Road/Shady Retreat Road and Almshouse Road (SR 2089)/Tanamend Road intersection in Doylestown Township.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	244	49											
		49	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			49	Total FY2019-2022			0	Total FY2023-2026			0

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 104163 Pedestrian Signal Upgrades (ARLE 5)

#### LIMITS

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Wrightstown Township

FC:

AQ Code:NRS

PLANNING AREA: Rural Area

IPD:

PROJECT MANAGER: MS/V. Temino

CMP: Not SOV Capacity Adding

This project was selected as part of PennDOT's Automated Red-Light Enforcement (ARLE) Round 5 program. Traffic signal timings for the AM, mid-day and PM peak hours will be optimized, and the exiting vehicular loop detectors with video cameras and radar dilemma zone detectors will be replaced. All existing signage associated with the traffic signal operation will also be upgraded at the following four intersections:

1. Durham Road (SR 0413) and Second St Pike/Windy Bush Road (SR 0232) and Park Avenue
2. Durham Road (SR 0413) and Township Line Road (SR 2115)
3. Second Street Pike (SR 0232) and Swamp Road (SR 2036)
4. Durham Road (SR 0413) and Wrightstown Road/Worthington Mill Road (SR 2081)

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	244	157											
		157	0	0	0	0	0	0	0	0	0	0	0
Total FY2015-2018		157				Total FY2019-2022				Total FY2023-2026			
		157				0				0			

MPMS# 104298 Lower State Road to 202 Parkway Connector Trail

New

LIMITS Central Bucks West High School to 202 Parkway Trail

Est Let Date: 8/25/2016

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Doylestown Township

FC:

AQ Code:A2

PLANNING AREA: Developed Community

IPD:

PROJECT MANAGER: EE/DVRPC/T. Kao

CMP:

A bike and hiking trail (10' wide off-road shared use path) along Lower State Road from Central Bucks West High School to 202 Parkway Trail connecting Central Bucks Family YMCA, Central Park, Delaware Valley College will be constructed. Lower State Road is also BicyclePA Bike Route S. This will complete a gap in the trail network between Doylestown Central Business/Cultural District and SR 202 Parkway Trail.

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 \$792,634 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.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	TAP		467										
CON	TAP			793									
		0	467	793	0	0	0	0	0	0	0	0	0
Total FY2015-2018		1,260				Total FY2019-2022				Total FY2023-2026			
		1,260				0				0			

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 104302** *Route 13 Streetscape - Croydon Section Phase 2*

**New**

**LIMITS** From bridge over the Neshaminy Creek to a point west of Walnut Ave. within BID

Est Let Date: 8/25/2016

**IMPROVEMENT** Streetscape

**MUNICIPALITIES:** Bristol Township

**FC:**

AQ Code:X12

**PLANNING AREA:** Developed Community

IPD:

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

**CMP:**

This project will involve streetscape improvements on Route 13 (Bristol Pike) from the bridge over the Neshaminy Creek to a point west of Walnut Ave. within the downtown Croydon business district. Trash receptacles and benches (and any other street furniture) are ineligible unless associated with a transit stop. Bike racks are eligible.

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 \$1,000,000 on 11/10/2014 through the statewide TAP program (MPMS #60560) out of the \$7.8 million awarded to the region. Statewide, PennDOT made \$33 million available for 56 projects across the state.

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

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

**MPMS# 104365** *New Falls Road*

**New**

**LIMITS** New Falls Rd (SR 2006)

Est Let Date: 6/23/2016

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** Bristol Township

**FC:**

AQ Code:S7

**PLANNING AREA:** Developed Community

IPD:

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

**CMP:** Not SOV Capacity Adding

Adding Subcorr(s): 4A

The proposed scope of work includes installation of sidewalk, pedestrian countdown timers, modification to left turn phasing, and other signal improvements.

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

<u>Phase</u>	<u>Fund</u>	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>
PE	sHSIP	630											
CON	sHSIP	702											
CON	sHSIP		468										
		1,332	468	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018		1,800		Total FY2019-2022		0		Total FY2023-2026		0	

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 104607 SR 2093 Railroad LED Lights**

**New**

**LIMITS** Four Locations in Buckingham and Ivyland Twp

No Let Date

**IMPROVEMENT** Intersection/Interchange Improvements

**MUNICIPALITIES:** Buckingham Township; Ivyland Borough

**FC:**

AQ Code:S8

**PLANNING AREA:** Growing Suburb; Developed Community

IPD:

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

**CMP:** Not SOV Capacity Adding

This project will install LED flashing warning lights at four locations in Buckingham Township and Ivyland Borough. The locations are: Wilson Road between Thomas Drive and Greenley Avenue, Creek Road between New Hope Road and Lower Mountain Road, New Hope Road between Creek Road and Durham Road, and Lower Mountain Road between Lookaway Court and Creek Road. This project is part of the statewide Highway-Rail Grade Crossing Program.

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	RRX	26											
		26	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018				Total FY2019-2022				Total FY2023-2026			
		26				0				0			

**MPMS# 105079 Richboro Pedestrian Improvements**

**New**

**LIMITS** Downtown Richboro

No Let Date

**IMPROVEMENT** Streetscape

**MUNICIPALITIES:** Northampton Township

**FC:**

AQ Code:A2

**PLANNING AREA:** Developed Community

IPD:

**PROJECT MANAGER:** Elizabeth Bonini

**CMP:**

Funding is for for the construction of decorative imprint asphalt crosswalks and associated curb ramps and sidewalk improvements in downtown Richboro in Northampton Township, at seven locations.

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

Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	
CON	411	165												
CON	LOC	71												
		236	0	0	0	0	0	0	0	0	0	0	0	
Total FY2015-2018		236				Total FY2019-2022				0	Total FY2023-2026			0

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

**MPMS# 105080** *Route 32 Pedestrian Improvements*

**New**

**LIMITS** Main St. at W. Parry St., Ferry St. Mechanic St. and crossing b/t Corywell/Waterloo and Mechanic St.

No Let Date

**IMPROVEMENT** Bicycle/Pedestrian Improvement

**MUNICIPALITIES:** New Hope Borough

**FC:**

AQ Code:A2

**PLANNING AREA:** Developed Community

IPD:

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

**CMP:**

Funding is dedicated for construction of pedestrian and bicycle improvements along Main Street (Route 32) at West Parry Street, Ferry Street, Mechanic Street, and a midblock crossing between Corywell/Waterloo Street and Mechanic Street in New Hope Borough.

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

Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>
PE	LOC	51											
CON	411	127											
CON	LOC	3											
		181	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			181	Total FY2019-2022			0	Total FY2023-2026			0

**MPMS# 105081** *Lower Makfield Quiet Zone*

**New**

**LIMITS**

No Let Date

**IMPROVEMENT** Other

**MUNICIPALITIES:** Lower Makefield Township

**FC:**

AQ Code:X6

**PLANNING AREA:** Developed Community

IPD:

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

**CMP:**

Funding will be used for the creation of a Quiet Zone encompassing three highway-rail grade crossings in Lower Makefield Township to alleviate train noise on one of the most densely traveled and regionally significant passenger and freight rail corridors in Pennsylvania.

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

Phase	Fund	<u>FY2015</u>	<u>FY2016</u>	<u>FY2017</u>	<u>FY2018</u>	<u>FY2019</u>	<u>FY2020</u>	<u>FY2021</u>	<u>FY2022</u>	<u>FY2023</u>	<u>FY2024</u>	<u>FY2025</u>	<u>FY2026</u>
CON	411	350											
CON	LOC	350											
		700	0	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			700	Total FY2019-2022			0	Total FY2023-2026			0

# DVRPC FY 2015-2018 TIP for PA

Final Version

## Pennsylvania - Highway Program (Status: TIP)

### Bucks

MPMS# 105255 Quakertown Rt. 313 LED

New

**LIMITS** Critical corridors along Rt. 313 within the Boro

No Let Date

**IMPROVEMENT** Signal/ITS Improvements

**MUNICIPALITIES:** Quakertown Borough

FC:

AQ Code:NRS

**PLANNING AREA:** Developed Community

IPD:

**PROJECT MANAGER:** Daniel Farley

**CMP:**

The Borough of Quakertown plans to replace the existing filament in the traffic lights at several critical intersections with upgraded LED lights. The plan consists of upgrading the traffic lights in the Borough of Quakertown that are located on Route 313. These traffic lights are all located at critical corridors within the borough. The overall purpose of this plan is to improve safety, contribute to the economic development of the region, decrease maintenance and operational costs, and create a more energy efficient system.

TIP Program Years (\$ 000)													
Phase	Fund	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026
CON	A-073		9										
CON	LOC		9										
		0	18	0	0	0	0	0	0	0	0	0	0
		Total FY2015-2018			18	Total FY2019-2022			0	Total FY2023-2026			0

Total For	2015	2016	2017	2018	2015-2018	2019-2022	2023-2026
Bucks	\$125,930	\$167,171	\$157,284	\$122,324	\$572,709	\$176,739	\$254,979