

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS US 202 to Park Avenue

Est Let Date: 12/8/2022

IMPROVEMENT Roadway New Capacity

MRPID:119

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

FC: 16

AQ Code:2035M

PLAN CENTER: Town Center

IPD: 1

PROJECT MANAGER: HNTB/N. Velaga

CMP: Major SOV Capacity

CMP Subcorridor(s): 8G, 12B

PennDOT Class: New Alignment

PennDOT Improvement: New Alignment

NHPP:

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.

Project CMP (Congestion Management Process) commitments include sidewalks, signal and intersection improvements, turning movement enhancements, and coordination with SEPTA. See DVRPC's 2016-2017 memorandum on supplemental strategies for details related to this project.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	581	530											
FD	581			1,126									
ROW	STU				927								
ROW	581				232								
UTL	STP					955							
UTL	581					239							
CON	STP						4,271						
CON	581						1,068						
CON	STU									3,600			
CON	581									900			
		530	0	1,126	1,159	1,194	5,339	0	0	4,500	0	0	0
		Total FY2017-2020		2,815		Total FY2021-2024		6,533		Total FY2025-2028		4,500	

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS NORTHAMPTON & WRIGHTSTOWN TWPS

Est Let Date: 8/23/2019

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Northampton Township; Wrightstown Township

FC: 17

AQ Code:S19

PLAN CENTER:

IPD: 1

PROJECT MANAGER: EE/J. Arena

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ROW	STU		191										
ROW	185		48										
UTL	STU			197									
UTL	185			50									
CON	STP					3,287							
CON	185					822							
CON	STP												2,000
CON	185												500
		0	239	247	0	0	4,109	0	0	0	0	0	2,500
		Total FY2017-2020				Total FY2021-2024				Total FY2025-2028			
		486				4,109				2,500			

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 12965 Lawn Avenue SR:4033

LIMITS Maple Avenue to Farmers Lane

Est Let Date: 1/15/2021

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Sellersville Borough; West Rockhill Township

FC: 17

AQ Code:S10

PLAN CENTER: Town Center

IPD: 2

PROJECT MANAGER: Plans/C. Veiga

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 14G

PennDOT Class: Highway Reconstruction

PennDOT Improvement: Highway Reconstruction

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
FD	STU	269												
FD	581	67												
ROW	STU		308											
ROW	581		77											
UTL	STU		257											
UTL	581		64											
UTL	STU				234									
UTL	581				59									
UTL	STU					700								
UTL	581					175								
CON	STU							11,988						
CON	581							2,997						
		336	706	0	293	875	0	14,985	0	0	0	0	0	
		Total FY2017-2020			1,335	Total FY2021-2024			15,860	Total FY2025-2028				0

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Over Beaver Creek

Est Let Date: 12/10/2020

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Tincum Township

FC:

AQ Code:S19

PLAN CENTER:

IPD: 1

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Restoration

PennDOT Improvement: Bridge Restoration

NHPP:

Reconstruction of a 1909 reinforced concrete arch bridge located in Tincum 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
FD	BOF		175											
FD	183		33											
FD	LOC		11											
ROW	BOF			47										
ROW	183			9										
ROW	LOC			3										
UTL	BOF			56										
UTL	183			10										
UTL	LOC			3										
CON	BOF				1,159									
CON	183				218									
CON	LOC				73									
		0	219	128	1,450	0	0	0	0	0	0	0	0	
		Total FY2017-2020			1,797	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 13016 *Clay Ridge Road over Rapp Creek*

New

LIMITS County Bridge #87

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Tincum Township

FC:

AQ Code:S19

PLAN CENTER:

IPD:

PROJECT MANAGER: TSS/T. Stevenson

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Clay Ridge Road over Rapp Creek (County Bridge #87) is a 55-foot long single lane two span concrete encased steel beam bridge built in 1917. The bridge is structurally deficient as a result of the poor condition of the deck, superstructure, pier and both abutments, resulting in traffic restrictions. Due to the advanced deterioration of all structural elements, the County intends to remove and replace the structure in a context sensitive manner.

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Over Kimples Creek

Est Let Date: 2/15/2018

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Haycock Township

FC: 7

AQ Code:S19

PLAN CENTER:

IPD: 0

PROJECT MANAGER: Plans/C. Veiga

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: N

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	STU	472											
FD	185	118											
UTL	STU		44										
UTL	185		11										
CON	STU				835								
CON	185				334								
		590	55	0	1,169	0	0	0	0	0	0	0	0
		Total FY2017-2020		1,814		Total FY2021-2024			0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Over Perkiomen Creek

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Perkasio Borough

FC:

AQ Code:S19

PLAN CENTER: Town Center

IPD: 0

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 14G

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
UTL	183	34												
UTL	LOC	8												
CON	BOF													
CON	183													
CON	LOC													
CON	BOF			1,870										
CON	183			350										
CON	LOC			116										
CON	183									2,336				
		42	0	2,336	0	0	0	0	0	2,336	0	0	0	
		Total FY2017-2020			2,378	Total FY2021-2024				0	Total FY2025-2028			2,336

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

Return

LIMITS Over Deep Run

Est Let Date: 9/14/2017

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Bedminster Township

FC:

AQ Code:S19

PLAN CENTER:

IPD: 0

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	183	1,360												
CON	LOC	340												
		1,700	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			1,700	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Final Version

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: 6/15/2018

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Hilltown Township

FC:

AQ Code:S19

PLAN CENTER:

IPD: 1

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	183	170											
FD	LOC	42											
ROW	183		30										
ROW	LOC		8										
CON	BOF			945									
CON	183			177									
CON	LOC			59									
CON	BOF				945								
CON	183				177								
CON	LOC				59								
		212	38	1,181	1,181	0	0	0	0	0	0	0	0
		Total FY2017-2020		2,612		Total FY2021-2024				0			
						Total FY2025-2028				0			

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 13347 *I-95, PA Turnpike Interchange (TPK) - STAGE 1 and Stage 2 (Design Only -PTC portion) 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

PLAN CENTER:

IPD: 3

PROJECT MANAGER: AECOM/M. Girman

CMP: Major SOV Capacity

CMP Subcorridor(s): 1A, 4A

PennDOT Class: New Alignment

PennDOT Improvement: New Alignment

NHPP: Y

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 Delaware River Bridge toll plaza with a cashless toll facility collecting 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. Additionally, some Stage 2 design funds are shown based upon the latest adopted PTC Capital Plan.

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 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 a cashless toll facility 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 as I-295. 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 not captured by SR 0095 D10 (MPMS 95439) and D20 (MPMS 95444). Remaining Stage 1 work not already underway or completed includes the reconstruction of the ramp from the existing Delaware Valley Interchange toll plaza to Route 13 and includes a new at-grade signalized intersection with Route 13.

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. Commencement of construction for Stage 2 however is contingent upon the identification and programming of sufficient funding.

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.

Also refer to MPMS 95439 and MPMS 95444 for this project.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	TPK	7,696											
FD	TPK		11,908										
CON	TPK	30,000											
CON	TPK		20,000										
		37,696	31,908	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020		69,604		Total FY2021-2024				0			
										Total FY2025-2028			
										0			

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 13376 *Milford Square Pike Bridge (CB #252) over Unami Creek Rehabilitation* **New**
LIMITS OLD 923 o/ UNAMI CREEK No Let Date
IMPROVEMENT Bridge Repair/Replacement
MUNICIPALITIES: Milford Township **FC:** AQ Code:S19
PLAN CENTER: IPD:
PROJECT MANAGER: TSS/GANNETT/S. New **CMP:**
PennDOT Class: **PennDOT Improvement:** **NHPP:**

The purpose of the project is to rehabilitate the bridge to prolong its useful life and remove the structural deficient (SD) status of the structure. The scope includes concrete repairs to the abutments, wingwalls, pier, and beam encasement, installation of scour/undermining countermeasures, and installation of standard safety features, including approach and transition guiderails, striping, and signage. This work has been completed and the SD status has been removed as a result. This is a retroactive-reimbursement.

TIP Program Years (\$ 000)														
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	ACT13	41												
FD	ACT13	34												
CON	ACT13	522												
		597	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			597		Total FY2021-2024			0		Total FY2025-2028		0

MPMS# 13377 *Main St over SEPTA (Bridge)*
LIMITS Sellersville Borough Est Let Date: 12/13/2018
IMPROVEMENT Bridge Repair/Replacement
MUNICIPALITIES: Sellersville Borough **FC:** 14 AQ Code:S19
PLAN CENTER: Town Center IPD: 0
PROJECT MANAGER: TSS/S. Fellin **CMP:** Not SOV Capacity Adding CMP Subcorridor(s): 14G
PennDOT Class: Bridge Replacement **PennDOT Improvement:** Bridge Replacement **NHPP:** Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	185	450												
ROW	185	150												
UTL	185	265												
CON	185					4,919								
		865	0	0	0	0	4,919	0	0	0	0	0	0	
		Total FY2017-2020			865		Total FY2021-2024			4,919		Total FY2025-2028		0

DVRPC FY 2017-2020 TIP for PA

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: 4/26/2018

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Milford Township

FC: 14; 16; 17

AQ Code:S19

PLAN CENTER:

IPD: 1

PROJECT MANAGER: TSS/H. Freed

CMP: Minor SOV Capacity

CMP Subcorridor(s): 14G

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
UTL	581	90											
UTL	185	96											
CON	STU												
CON	NHPP		26										
CON	185												
CON	STU			1,172									
CON	NHPP			624									
CON	581			546									
CON	185			409									
CON	STP				1,172								
CON	185				293								
CON	NHPP					4,000							
CON	581					500							
CON	185					500							
		186	26	2,751	1,465	5,000	0	0	0	0	0	0	0
		Total FY2017-2020		4,428		Total FY2021-2024		5,000		Total FY2025-2028		0	

DVRPC FY 2017-2020 TIP for PA

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

PLAN CENTER:

IPD: 0

PROJECT MANAGER: TSS/P. Berthold

CMP: Major SOV Capacity

CMP Subcorridor(s): 4A, 5I

PennDOT Class: Bridge Restoration

PennDOT Improvement: Bridge Restoration

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	NHPP												
FD	581												
FD	NHPP			1,912									
FD	581			478									
FD	NHPP					2,897							
FD	581					724							
FD	NHPP							260					
FD	581							65					
FD	STU									3,418			
FD	581									854			
UTL	STU				3,895								
UTL	581				969								
UTL	185				5								
		0	0	2,390	4,869	3,621	325	0	0	4,272	0	0	0
		Total FY2017-2020		7,259		Total FY2021-2024		3,946		Total FY2025-2028		4,272	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Over Conrail

Est Let Date: 12/21/2017

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Middletown Township

FC: 17

AQ Code:S19

PLAN CENTER:

IPD: 0

PROJECT MANAGER: EE/M. Holva

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 4A, 5I

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: N

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	STU		234										
PE	581		59										
FD	STP	69											
FD	TOLL												
FD	STU	300											
CON	185	1,988											
CON	185		1,294										
CON	185			342									
CON	185				445								
CON	185					695							
		2,357	1,587	342	445	0	695	0	0	0	0	0	0
		Total FY2017-2020		4,731		Total FY2021-2024		695		Total FY2025-2028		0	

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Over Unami Creek

Est Let Date: 3/28/2019

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Milford Township

FC: 7

AQ Code:S19

PLAN CENTER:

IPD: 0

PROJECT MANAGER: Plans/C. Veiga

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: N

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	TOLL													
PE	STP	743												
ROW	185		180											
UTL	581		22											
CON	581			1,000										
CON	581				2,151									
		743	202	1,000	2,151	0	0	0	0	0	0	0	0	
		Total FY2017-2020			4,096	Total FY2021-2024				0	Total FY2025-2028			0

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

Return

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

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Buckingham Township; Doylestown Borough; Doylestown Township

FC: 12; 14

AQ Code:R3

PLAN CENTER:

IPD: 0

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

CMP Subcorridor(s): 8G, 8H

PennDOT Class: Safety Improvement

PennDOT Improvement: Safety Improvement

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
FD	STP	234												
FD	581	59												
		293	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			293	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

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

Est Let Date: 12/7/2023

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Falls Township; Middletown Township

FC: 16; 17

AQ Code:R1

PLAN CENTER: Suburban Center

IPD: 1

PROJECT MANAGER: J. Brown

CMP: Minor SOV Capacity

CMP Subcorridor(s): 4A, 5I

PennDOT Class: Safety Improvement

PennDOT Improvement: Safety Improvement

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	581	530												
FD	581			450										
ROW	STU				464									
ROW	581				116									
UTL	581				174									
CON	STU							6,587						
CON	581							1,647						
		530	0	450	754	0	0	8,234	0	0	0	0	0	
		Total FY2017-2020			1,734	Total FY2021-2024			8,234	Total FY2025-2028				0

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

LIMITS Over Tincum Creek

Est Let Date: 12/13/2018

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Tincum Township

FC: 8

AQ Code:S19

PLAN CENTER:

IPD: 1

PROJECT MANAGER: HNTB/N. Velaga

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Restoration

PennDOT Improvement: Bridge Restoration

NHPP: N

This project involves rehabilitating or replacing the Headquarters Road Bridge over Tincum Creek in Tincum 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 Tincum Creek. No utility conflicts are anticipated.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	581			2,171										
CON	185			1,425										
CON	185					680								
		0	0	3,596	0	680	0	0	0	0	0	0	0	
		Total FY2017-2020			3,596	Total FY2021-2024			680	Total FY2025-2028				0

DVRPC FY 2017-2020 TIP for PA

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: 2/14/2019

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Bensalem Township

FC: 16

AQ Code:2025M

PLAN CENTER:

IPD: 2

PROJECT MANAGER: HNTB/G. Gumas

CMP: Minor SOV Capacity

CMP Subcorridor(s): 4A, 5I, 12A

PennDOT Class: Highway Restoration

PennDOT Improvement: Highway Restoration

NHPP: N

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, an 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: Old Lincoln Highway, Grandview Avenue/Neshaminy Mall entrance, Galloway Road/Elfin Avenue, Third Avenue/Richlieu Road, Bensalem Boulevard and Pasqualone Boulevard. 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. New sidewalks and ADA ramps are proposed along the corridor from Neshaminy Mall to Richlieu Road. As a result of the improvements to SR 2025, approximately 65 parcels will be affected by either required ROW takes and/or temporary 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. This work has been completed under an HOP contract by a private development entity.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
FD	581	318												
CON	STU													
CON	581													
CON	STP													
CON	581													
CON	STU				699									
CON	581				174									
CON	STU					3,404								
CON	581					850								
CON	STP							1,742						
CON	581							436						
CON	STU									7,000				
CON	581									1,750				
		318	0	0	873	0	4,254	2,178	0	8,750	0	0	0	
		Total FY2017-2020			1,191	Total FY2021-2024				6,432	Total FY2025-2028			8,750

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

PLAN CENTER:

IPD: 3

PROJECT MANAGER: L. Guarini

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 4B, 12A

PennDOT Class: Congestion Reduction

PennDOT Improvement: Congestion Reduction

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	STU	457												
CON	LOC	114												
CON	STU		480											
CON	LOC		120											
CON	STU			504										
CON	LOC			126										
CON	STP				529									
CON	LOC				132									
		571	600	630	661	0	0	0	0	0	0	0	0	
		Total FY2017-2020			2,462	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 49315 *Portzer Road Roundabout SR:6309*

LIMITS Route 663 to Route 309

Est Let Date: 10/18/2018

IMPROVEMENT Roadway New Capacity

MRPID:118

MUNICIPALITIES: Milford Township; Richland Township

FC: 17

AQ Code:NRS

PLAN CENTER:

IPD: 1

PROJECT MANAGER: TSS/T. Stevenson

CMP: Major SOV Capacity

CMP Subcorridor(s): 14C

PennDOT Class: Congestion Reduction

PennDOT Improvement: Congestion Reduction

NHPP:

This project involves construction of a roundabout at the intersection of Portzer Road (T-354) with SR 4063 (Old Bethlehem Pike) in Milford and Richland Townships, Bucks County.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	581	100												
PE	581			345										
FD	581		50											
ROW	581		75											
UTL	581		100											
CON	STU			994										
CON	TOLL													
CON	STP			306										
		100	225	1,645	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			1,970	Total FY2021-2024				0	Total FY2025-2028			0

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

Return

LIMITS Bristol Road to PA 413

No Let Date

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Buckingham Township; Warminster Township; Warwick Township

FC: 14

AQ Code:2020M

PLAN CENTER:

IPD: 3

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

CMP Subcorridor(s): 8H, 12A

PennDOT Class: Highway Restoration

PennDOT Improvement: Highway Restoration

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	NHPP		500											
		0	500	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			500	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Kulp Road to PA 611

Est Let Date: 12/13/2018

IMPROVEMENT Roadway Rehabilitation

MRPID:34

MUNICIPALITIES: Warrington Township; Horsham Township

FC: 14

AQ Code:S10

PLAN CENTER:

IPD: 0

PROJECT MANAGER: Gannett/B. Rasiul

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 12B

PennDOT Class: Highway Restoration

PennDOT Improvement: Highway Restoration

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	NHPP	636											
FD	581	159											
ROW	NHPP		2,240										
ROW	581		560										
UTL	NHPP				800								
UTL	581				200								
CON	NHPP					3,184							
CON	581					796							
CON	NHPP						3,184						
CON	581						796						
CON	NHPP							3,184					
CON	581							796					
		795	2,800	0	1,000	3,980	3,980	3,980	0	0	0	0	0
		Total FY2017-2020		4,595		Total FY2021-2024		11,940		Total FY2025-2028		0	

DVRPC FY 2017-2020 TIP for PA

Final Version

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

PLAN CENTER:

IPD: 0

PROJECT MANAGER: Gannett/S. New

CMP: Minor SOV Capacity

PennDOT Class: Congestion Reduction

PennDOT Improvement: Congestion Reduction

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	NHPP	400											
FD	581	100											
ROW	NHPP			630									
ROW	581			158									
UTL	NHPP			236									
UTL	581			59									
CON	NHPP					11,874							
CON	581					2,969							
		500	0	1,083	0	0	14,843	0	0	0	0	0	0
		Total FY2017-2020		1,583		Total FY2021-2024		14,843		Total FY2025-2028		0	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Neshaminy Creek to PECO Right-of-Way

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Wrightstown Township

FC: 16

AQ Code:R3

PLAN CENTER:

IPD: 0

PROJECT MANAGER: EE/J. Arena

CMP: Minor SOV Capacity

PennDOT Class: Safety Improvement

PennDOT Improvement: Safety Improvement

NHPP: N

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	HSIP	600											
FD	TOLL												
FD	TOLL												
FD	HSIP		49										
ROW	TOLL												
ROW	HSIP	171											
ROW	TOLL												
ROW	HSIP		329										
		771	378	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020		1,149		Total FY2021-2024			0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

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: 7/13/2017

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Quakertown Borough; Richland Township

FC: 14

AQ Code:2020M

PLAN CENTER: Town Center

IPD: 3

PROJECT MANAGER: AECOM/E. Reagle

CMP: Minor SOV Capacity

CMP Subcorridor(s): 14G

PennDOT Class: Congestion Reduction

PennDOT Improvement: Congestion Reduction

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	CAQ	3,020											
CON	TOLL												
CON	TOLL												
CON	CAQ		900										
		3,020	900	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020		3,920		Total FY2021-2024				0			
						0				Total FY2025-2028			
										0			

DVRPC FY 2017-2020 TIP for PA

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
PLAN CENTER: **IPD:** 2
PROJECT MANAGER: George Dunheimer ADE CONSTR **CMP:** Minor SOV Capacity **CMP Subcorridor(s):** 5I, 12A
PennDOT Class: Congestion Reduction **PennDOT Improvement:** Congestion Reduction **NHPP:** Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TOLL													
CON	CAQ		22											
		0	22	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			22	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 64779 County Line Road Widening SR:2038

LIMITS Stump Road to Lower State Road/Kulp Road

Actl Let Date: 9/17/2015

IMPROVEMENT Roadway New Capacity

MRPID:34

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

AQ Code:2025M

PLAN CENTER:

IPD: 0

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

CMP Subcorridor(s): 12B

PennDOT Class: Additional Lanes

PennDOT Improvement: Additional Lanes

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	SXF	1,988												
CON	SXF			1,704										
		1,988	0	1,704	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			3,692	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

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: 4/9/2020

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Newtown Township

FC: 16

AQ Code:S19

PLAN CENTER:

IPD: 0

PROJECT MANAGER: EE/J. Arena

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: N

This project involves the rehabilitation of a single span concrete non-composite adjacent box beam bridge carrying S.R. 2036 (Swamp Road) over an unnamed tributary to Neshaminy Creek in Newton Township, Bucks County, PA. The bridge is located between the entrance to the Nob Hill Residential Development and the western entrance to the Bucks County Community College. The Historic Temora Farm Property is located on the north side of the bridge and roadway and the Tyler Run State Park is on the south side. Stone retaining walls extend east and west of the existing bridge along the northern side of the roadway. A driveway is located northeast of the bridge providing access to the Temora Farm. A small structure integral with the walls along the roadway carries this driveway over a branch of the creek.

The superstructure of the existing bridge was replaced with a non-composite superstructure under an emergency contract in 2007. The existing bridge has a single 28 foot span and a clear roadway width of 23.5 feet.

This proposed project will rehabilitate the existing non-composite bridge superstructure with the installation of composite bridge deck maintaining the existing 23.5 clear roadway width. The existing stone masonry walls northwest and northeast of the bridge will be replaced. The Temora Farm driveway drainage structure will be replaced in conjunction with the wall replacement.

The goal of this project is to complete the work described above with as minimal disturbance to the surrounding area as possible. In order to achieve this goal, the horizontal and vertical alignment of the bridge will be maintained. Roadway reconstruction will be limited to immediate roadway within the limits of the approach to rehabilitated bridge deck and to new walls and driveway drainage structure. Guide rail, signing, and pavement markings will be updated as well. During construction, traffic will be maintained utilizing a detour.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
ROW	STU													
ROW	581													
ROW	STU				487									
ROW	185				121									
UTL	STP													
UTL	581													
UTL	STU				244									
UTL	581				61									
CON	STP				3,411									
CON	185				853									
		0	0	0	5,177	0	0	0	0	0	0	0	0	
		Total FY2017-2020			5,177	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

Return

LIMITS Over Tohickon Creek

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Plumstead Township; Tincum Township

FC: 6

AQ Code:S19

PLAN CENTER:

IPD: 0

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

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: N

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 Tincum 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TOLL													
CON	STU		55											
		0	55	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			55	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 70218 *Delaware Canal Pedestrian Tunnel*

LIMITS Under CSX Spur Line

Est Let Date: 1/11/2018

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Falls Township

FC:

AQ Code:A2

PLAN CENTER:

IPD: 3

PROJECT MANAGER: EE/DVRPC/J. Banks

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 5I

PennDOT Class: Bicycle/Pedestrian

PennDOT Improvement: Bicycle/Pedestrian

NHPP:

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 the 2013 American Community Survey.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	TOLL												
CON	STU	829											
CON	STP	1,851											
CON	LOC	829											
CON	STU		700										
		3,509	700	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020		4,209		Total FY2021-2024				0			
										Total FY2025-2028			
										0			

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 74827 *Delaware Canal Enhancement*

LIMITS Over Brock Creek, Yardley to Bristol Boroughs

Est Let Date: 12/7/2017

IMPROVEMENT Streetscape

MUNICIPALITIES: Bristol Borough; Yardley Borough

FC:

AQ Code:X12

PLAN CENTER:

IPD: 1

PROJECT MANAGER: HNTB/N. Velaga

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 4A

PennDOT Class: Air Quality

PennDOT Improvement: Air Quality

NHPP:

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.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	STU			937										
CON	LOC			836										
		0	0	1,773	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			1,773	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 77449 *Route 13, East Coast Greenway Bicycle/Pedestrian Bridge (South) - Phase 2 (TE) SR:0013*

Return

LIMITS North of Route 1 to Philadelphia

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Tullytown Borough

FC: 12

AQ Code:A2

PLAN CENTER:

IPD: 1

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 5I

PennDOT Class: Transportation Enhancement

PennDOT Improvement: Transportation Enhancement

NHPP: Y

This project provides a component of the East Coast Greenway for a bike and pedestrian crossing via construction of a bike and pedestrian bridge to cross Route 13 in order to provide safe passage for the Delaware Canal Towpath.

\$690,000 TE funds were approved during the FY2006 project selection process, to be programmed at the appropriate time, drawing funds from MPMS #64984. Also see MPMS #47392, 65922 and 71159. A total of \$1.690 million TE funds have been recommended for this project.

The \$471,000 is made available by William Penn Foundation via DVRPC Regional Trails Program.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	STU		16											
		0	16	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			16	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 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: 1/21/2019

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Lower Southampton Township

FC: 17

AQ Code:S19

PLAN CENTER:

IPD: 0

PROJECT MANAGER: EE/J. Arena

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 5I

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	185		700										
FD	185			700									
ROW	STU	212											
ROW	185	53											
UTL	STU	212											
UTL	185	53											
CON	STP				5,194								
CON	185				1,298								
		530	700	700	6,492	0	0	0	0	0	0	0	0
		Total FY2017-2020				Total FY2021-2024				Total FY2025-2028			
		8,422				0				0			

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

Return

LIMITS

ctl Let Date: 10/27/2011

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Middletown Township

FC:

AQ Code:S10

PLAN CENTER:

IPD:

PROJECT MANAGER: George Dunheimer ADE CONSTR CMP:

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: Y

Funds in FY17 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TOLL													
CON	STP	207												
CON	TOLL													
CON	STU		10											
		207	10	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			217	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 86244 *River Road at Golden Pheasant over Delaware Canal*

New

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Tincum Township

FC:

AQ Code:S19

PLAN CENTER:

IPD:

PROJECT MANAGER: Gannett/B. Rasiul

CMP:

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP:

This project will provide for the rehabilitation or replacement of the River Road Bridge over the Delaware Canal in Tincum Township, Bucks County, a Decade of Investment bridge (DOI #2067). The River Road Bridge is structurally deficient and based on the most recent inspection in November 2016 its condition continues to deteriorate. As a result of this inspection, the bridge's posted weight was lowered to 15 tons and repairs were made to abutments and guide rail barrier.

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	STP		680											
PE	185		170											
FD	185			570										
ROW	185			98										
ROW	185				118									
ROW	185					34								
UTL	185			110										
CON	185									4,700				
		0	850	778	118	34	0	0	0	4,700	0	0	0	
		Total FY2017-2020			1,746	Total FY2021-2024				34	Total FY2025-2028			4,700

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 86860 PA 611 Bridge Over Cooks Creek

LIMITS Over Cooks Creek

Est Let Date: 10/19/2017

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Durham Township

FC: 2

AQ Code:S19

PLAN CENTER:

IPD: 2

PROJECT MANAGER: Gannett/V. Genua

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: Y

This project involves 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.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
ROW	TOLL												
ROW	NHPP	480											
UTL	TOLL												
UTL	NHPP		200										
CON	NHPP		4,520										
CON	185		1,130										
CON	NHPP												
CON	185												
CON	NHPP												
CON	185												
CON	NHPP												
CON	185												
		480	5,850	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020		6,330		Total FY2021-2024				0		Total FY2025-2028	
												0	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Church Road to Tollgate Road

Est Let Date: 1/31/2019

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Hilltown Township; Richland Township; West Rockhill Township; Hatfi FC: 2; 12; 14; 16; 17

AQ Code:S10

PLAN CENTER:

IPD: 3

PROJECT MANAGER: TSS/M. Fausto

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 14G

PennDOT Class: Preventive Maintenance

PennDOT Improvement: Preventive Maintenance

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	TOLL												
PE	NHPP	218											
FD	NHPP	6,365											
FD	TOLL												
ROW	STP			90									
ROW	581			23									
UTL	STP			90									
UTL	581			23									
CON	NHPP			1,000									
CON	581			250									
CON	NHPP				1,000								
CON	581				250								
CON	NHPP					10,874							
CON	581					2,718							
CON	NHPP						10,874						
CON	581						2,718						
CON	NHPP							13,746					
CON	581							3,436					
CON	NHPP									6,000			
CON	STU									2,000			
CON	581									1,500			
		6,583	0	1,476	1,250	13,592	13,592	17,182	0	9,500	0	0	0
		Total FY2017-2020		9,309		Total FY2021-2024		44,366		Total FY2025-2028		9,500	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS SR 532 to SR 413

Est Let Date: 10/19/2018

IMPROVEMENT Intersection/Interchange Improvements

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

AQ Code:R2

PLAN CENTER:

IPD: 0

PROJECT MANAGER: Gannett/B. Rasiul

CMP: Minor SOV Capacity

PennDOT Class: Safety Improvement

PennDOT Improvement: Safety Improvement

NHPP: N

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 walking path along the north side of Stoopville Road from east of Rosefield Drive to Eagleton Farms Road/Hemlock Drive; along the south side of Stoopville Road from Eagleton Farms Road/ Hemlock Drive to Eagle Road; continuing along the west side of Eagle Road to Marigold Drive; along the north side of Stoopville Road from Creamery Road to the intersection of Stoopville Road/ Washington Crossing Road; and continuing along the north side of Washington Crossing Road to Highland Road will be completed; 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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
FD	581	339												
ROW	581		55											
UTL	581		55											
CON	TOLL													
CON	STP			1,532										
CON	SXF			269										
		339	110	1,801	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			2,250	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Solebury Township, Bucks County

Est Let Date: 5/14/2020

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Solebury Township

FC: 6

AQ Code:S19

PLAN CENTER:

IPD: 0

PROJECT MANAGER: Davies/L. Fullard

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
ROW	STU			56										
ROW	TOLL													
UTL	TOLL													
UTL	STU			56										
CON	TOLL													
CON	STU					1,194								
		0	0	112	0	1,194	0	0	0	0	0	0	0	
		Total FY2017-2020			112	Total FY2021-2024				1,194	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 92582 I-95 Philadelphia to Scudder Falls

New

LIMITS I-95 from Philadelphia to Scudder Falls

Est Let Date: 6/8/2017

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Various

FC: 11

AQ Code:S10

PLAN CENTER:

IPD:

PROJECT MANAGER: Plans/S. Hasan

CMP:

PennDOT Class: Highway Restoration

PennDOT Improvement: Highway Restoration

NHPP: Y

This is a pavement preservation project to mill and repave I-95 from the Philadelphia County Line to the Newtown-Yardley Road Interchange, a distance of approximately 17 miles. The project will also include upgrades to guide rail as required and replacing or repairing damaged and/or faded traffic signs. No work is proposed in the area of the ongoing I-95/PA Turnpike Interchange construction.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	STP	275											
CON	NHPP	3,887											
CON	STU	1,416											
CON	581	972											
CON	581	423											
CON	STU		1,084										
CON	STP		1,182										
CON	NHPP		2,000										
CON	581		625										
CON	581		296										
CON	581		146										
CON	NHPP			3,000									
CON	STP			1,473									
CON	STU			2,000									
CON	581			750									
CON	581			868									
CON	NHPP				3,000								
CON	STP				3,600								
CON	STU				3,160								
CON	581				750								
CON	581				790								
CON	581				900								
		6,973	5,333	8,091	12,200	0	0	0	0	0	0	0	0
		Total FY2017-2020		32,597		Total FY2021-2024			0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Final Version

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: 6/22/2017

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Sellersville Borough

FC: 14; 17

AQ Code:S19

PLAN CENTER: Town Center

IPD: 0

PROJECT MANAGER: TSS/S. Fellin

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 14G

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: Y

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
PE	185	50													
FD	185		46												
ROW	NHPP	100													
ROW	STU			190											
UTL	185			100											
CON	NHPP	3,280													
CON	185	820													
CON	STU		785												
CON	581		196												
		4,250	1,027	290	0	0	0	0	0	0	0	0	0		
		Total FY2017-2020			5,567	Total FY2021-2024				0	Total FY2025-2028				0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 93444 **Route 1 Improvement-South (Section RC1)**

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:2025M

PLAN CENTER: IPD: 2

PROJECT MANAGER: TSS/P. Berthold **CMP:** Major SOV Capacity CMP Subcorridor(s): 4A, 5I

PennDOT Class: Highway Reconstruction **PennDOT Improvement:** Highway Reconstruction **NHPP:** Y

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 (Congestion Management Process) commitments include signal improvements, sidewalks and other improvements for pedestrians, investigation of new bus stops and enhanced bus services in consultation with SEPTA, safety improvements including increased speed enforcement, and outreach to employers to promote transportation demand management strategies. See DVRPC's 2013-2014 memorandum on supplemental strategies for details related to this project.

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	NHPP		11,641										
CON	581		2,910										
CON	STU			14,861									
CON	581			3,715									
CON	NHPP				2,861								
CON	STU				15,220								
CON	581				4,520								

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks													
CON	NHPP					6,361							
CON	581					1,590							
CON	NHPP						14,861						
CON	581						3,715						
CON	NHPP									8,500			
CON	185									1,211			
CON	581									914			
		0	14,551	18,576	22,601	7,951	18,576	0	0	10,625	0	0	0
		Total FY2017-2020		55,728		Total FY2021-2024		26,527		Total FY2025-2028		10,625	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Route 1 - Neshaminy and Pennel Interchanges, Bucks County

Est Let Date: 2/13/2020

IMPROVEMENT Intersection/Interchange Improvements

MRPID:37

MUNICIPALITIES: Bensalem Township; Middletown Township

FC: 12; 14; 17

AQ Code:2035M

PLAN CENTER:

IPD: 1

PROJECT MANAGER: TSS/P. Berthold

CMP: Major SOV Capacity

CMP Subcorridor(s): 4A, 5I

PennDOT Class: Highway Reconstruction

PennDOT Improvement: Highway Reconstruction

NHPP: Y

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 (Pennel); 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 Pennel 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 (Congestion Management Process) commitments include signal improvements, sidewalks and other improvements for pedestrians, investigation of new bus stops and enhanced bus services in consultation with SEPTA, safety improvements including increased speed enforcement, and outreach to employers to promote transportation demand management strategies. See DVRPC's 2013-2014 memorandum on supplemental strategies for details related to this project.

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	581					905							
CON	NHPP						20,484						
CON	581						5,201						
CON	NHPP							24,119					
CON	581							6,029					
CON	NHPP								41,717				
CON	581								10,429				
CON	NHPP									9,828			
CON	581									1,877			

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

	0	0	0	0	905	25,685	30,148	52,146	11,705	0	0	0
Total FY2017-2020			0		Total FY2021-2024		108,884		Total FY2025-2028		11,705	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Route 1 - Frontage Road Corridor, Bucks County

Est Let Date: 2/10/2022

IMPROVEMENT Roadway New Capacity

MRPID:37

MUNICIPALITIES: Langhorne Manor Borough; Middletown Township

FC: 12; 19

AQ Code:S10

PLAN CENTER:

IPD: 2

PROJECT MANAGER: TSS/P. Berthold

CMP: Major SOV Capacity

CMP Subcorridor(s): 4A, 5I

PennDOT Class: Highway Reconstruction

PennDOT Improvement: Highway Reconstruction

NHPP: Y

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 include signal improvements, sidewalks and other improvements for pedestrians, investigation of new bus stops and enhanced bus services in consultation with SEPTA, safety improvements including increased speed enforcement, and outreach to employers to promote transportation demand management strategies. See DVRPC's 2013-2014 memorandum on supplemental strategies for details related to this project.

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
FD	NHPP				1,021								
FD	581				277								
UTL	NHPP					740							
UTL	581					304							
UTL	NHPP									478			
CON	NHPP								7,306				
CON	185								913				
CON	581								913				
CON	NHPP									56			
CON	185									308			
CON	581												
CON	NHPP										56		
CON	581												
CON	185										308		

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

CON NHPP												310
CON 581												913
CON 185												
	0	0	0	1,298	1,044	0	0	9,132	842	364	1,223	0
	Total FY2017-2020			1,298	Total FY2021-2024			10,176	Total FY2025-2028			2,429

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

PLAN CENTER:

IPD: 5

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

CMP Subcorridor(s): 1A, 4A

PennDOT Class: Highway Reconstruction

PennDOT Improvement: Highway Reconstruction

NHPP: Y

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 Delaware River Bridge toll plaza with a cashless toll facility collecting 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 600 feet west of the S. R. 0095 overpass (approximate I-276 Milepost 355.6 near Durham Road) to a point 500 feet west of the Delaware River Bridge Toll Plaza (approximate I-276 Milepost 358.0), 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 2603 and S.R. 2049 from Segment 0040 Offset 0000 to Segment 0040 Offset 1112. 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. 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.

Also refer to MPMS 13347 and MPMS 95444 for this project.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CON	TPK	30,000													
		30,000	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2017-2020			30,000	Total FY2021-2024				0	Total FY2025-2028				0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Actl Let Date: 5/21/2015
IMPROVEMENT Intersection/Interchange Improvements MRPID:35
MUNICIPALITIES: Bristol Township FC: AQ Code:2020M
PLAN CENTER: IPD: 3
PROJECT MANAGER: George Dunheimer ADE CONSTR **CMP:** Major SOV Capacity CMP Subcorridor(s): 1A, 4A
PennDOT Class: Highway Reconstruction **PennDOT Improvement:** Highway Reconstruction **NHPP:** Y

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 Delaware River Bridge toll plaza with a cashless toll facility collecting 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# 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 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 redesignation of proposed I-295 EB/WB (existing I-95 NB/SB) between the I-276 overpass and the Scudder Falls Bridge. Also, D20 includes the partial 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-295 WB. Four ramps will also be partially reconstructed at the I-95 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. 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.

Also refer to MPMS 13347 and MPMS 95439 for this project.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TPK	25,000												
		25,000	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			25,000	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 96071 **Bucks County Bridge Deck Sealing**

Return

LIMITS

Actl Let Date: 9/25/2014

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

FC:

AQ Code:S10

PLAN CENTER:

IPD:

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

PennDOT Class: Bridge Preservation - Federal **PennDOT Improvement:** Bridge Preservation - Federal

NHPP: Y

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	NHPP	4												
CON	TOLL													
CON	STU	100												
		104	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			104	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 96217 **Central Bucks Congestion Mitigation**

Return

LIMITS State Route 152 in Chalfont Borough

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Chalfont Borough

FC: 16

AQ Code:2025M

PLAN CENTER:

IPD:

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

PennDOT Class: Congestion Reduction **PennDOT Improvement:** Congestion Reduction

NHPP: N

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

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

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

Actl Let Date: 4/6/2017

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: New Britain Borough

FC:

AQ Code:A2

PLAN CENTER:

IPD: 0

PROJECT MANAGER: EE/DVRPC/K. Lawrence

CMP:

PennDOT Class: Transportation Enhancement

PennDOT Improvement: Transportation Enhancement

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TAP	150												
CON	CAQ	180												
		330	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			330	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

ARLE

LIMITS

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Doylestown Township

FC:

AQ Code:NRS

PLAN CENTER:

IPD:

PROJECT MANAGER: MS/V. Temino

CMP: Not SOV Capacity Adding

PennDOT Class: Safety Improvement

PennDOT Improvement: Safety Improvement

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	244	90												
		90	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			90	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 98221 *Stock's Grove Road over Beaver Creek (CB# 333)*

No Let Date

LIMITS

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Nockamixon Township

FC:

AQ Code:S19

PLAN CENTER:

IPD: 2

PROJECT MANAGER: TSS/S. New

CMP: Not SOV Capacity Adding

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP:

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

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Buck Rd from 1,200' south of intersection w/Old Bristol Rd to 1,500' north of intersection w/Holland

Est Let Date: 12/11/2025

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Northampton Township

FC:

AQ Code:S19

PLAN CENTER:

IPD: 0

PROJECT MANAGER: L. Guarini

CMP: Minor SOV Capacity

PennDOT Class: Bridge Replacement

PennDOT Improvement: Bridge Replacement

NHPP: Y

This project will be broken out into two phases when appropriate. Phase I is the replacement/rehabilitation of the structurally deficient Buck Road Bridge over Mill Creek with a wider structure to accommodate turning lanes and will also include improvements to the Buck Road/Old Bristol Road Intersection. Phase II will consist of improvements including the realignment of the Buck Road/Holland Road intersection and the addition of turning lanes, along with access management and the addition of sidewalks throughout corridor.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	LOC	600												
PE	581						1,267							
FD	581			338										
FD	581									672				
ROW	581				232									
ROW	581										415			
UTL	581				174									
UTL	581										415			
CON	STU					5,411								
CON	581											9,980		
		600	0	338	406	0	5,411	1,267	0	672	830	9,980	0	
		Total FY2017-2020		1,344		Total FY2021-2024			6,678			Total FY2025-2028		11,482

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Lenape Lane to Upper State Est Let Date: 8/23/2018

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Chalfont Borough; New Britain Borough; New Britain Township **FC:** AQ Code:A2

PLAN CENTER: Town Center IPD: 1

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

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

This project will fund construction of a section of the Neshaminy Greenway Trail (NGT) from Lenape Lane to Upper State Road. 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 Parkway Trail. The sections of the NGT to the south and west have been constructed, and the section of the NGT to the east is fully funded for design and construction. When completed, the NGT will create numerous non-motorized transportation connections to local destinations, including the Chalfont and New Britain SEPTA Train Stations.

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.

In the fall of 2015, PennDOT held a competitive round for statewide TAP funding. This project was one of 13 projects across the DVRPC region that was awarded funding in January 2017 through the statewide TAP program (MPMS #60560), receiving \$375,000 out of the \$9.4 million awarded to the region. This project also received \$1,225,000 of Regional TAP funds.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TAU													
CON	TAP		375											
		0	375	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			375	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

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) cctl Let Date: 12/15/2016

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Solebury Township

FC:

AQ Code:2020M

PLAN CENTER:

IPD: 0

PROJECT MANAGER: EE/DVRPC/K. Lawrence

CMP:

PennDOT Class: Transportation Enhancement

PennDOT Improvement: Transportation Enhancement

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TAU	981												
		981	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			981	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 103608 *Flushing Road over Branch of Neshaminy Creek*

New

LIMITS County Bridge #282

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Bensalem Township

FC:

AQ Code:S19

PLAN CENTER:

IPD:

PROJECT MANAGER: L. Guarini

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Flushing Road over Branch of Neshaminy Creek (County Bridge #282) is a 39-foot long single span steel Pratt Pony Truss structure built in 1948. It has substandard safety features on the bridge and at the bridge approaches. The bridge is structurally deficient as a result of the serious condition of the steel superstructure and poor condition of the masonry substructure. It is currently open to traffic with a posted limit of 12 tons and an exception for combinations of 21 tons. Due to the advanced deterioration of the superstructure and substructure, the County intends to complete a thorough rehabilitation of the bridge. Anticipated work includes repair/replacement of the open grid deck, stringers and floor beams, bridge seat and abutment backwall; repair/replacement of truss members and truss bearing as required; cleaning and painting all structural steel; installation of structure-mounted bridge railing; repair/repainting of stone masonry abutments/wings; installation of approach guiderail; scour protection measures; and repaving of approaches.

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 103610 *Creek Road over Little Neshaminy Creek*

New

LIMITS County Bridge #138

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Warwick Township

FC:

AQ Code:S19

PLAN CENTER:

IPD:

PROJECT MANAGER: TSS/T. Stevenson

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Creek Road over Little Neshaminy Creek (County Bridge #138), is a 31-foot long single span concrete encased steel beam structure built in 1937. It has substandard safety features on the bridge and at the bridge approaches. The bridge is structurally deficient as a result of the serious condition of the substructure. The bridge is currently open to traffic with a 12 ton load posting. Due to the advanced deterioration of the substructure, the County intends to remove and replace the structure in a context sensitive manner.

MPMS# 103620 *Frosty Hollow Road Over Mill Creek (CB #15)*

New

LIMITS Middletown Township, Bucks County, CB #15

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Middletown Township

FC:

AQ Code:S19

PLAN CENTER:

IPD:

PROJECT MANAGER: TSS/GANNETT/S. New

CMP: Not SOV Capacity Adding

PennDOT Class:

PennDOT Improvement:

NHPP:

This bridge replacement is a retro-reimbursement project. The County Bridge number is 15.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
FD	183	56												
FD	LOC	14												
FD	183		49											
FD	LOC		12											
CON	183		154											
CON	LOC		39											
CON	183			393										
CON	LOC			98										
		70	254	491	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			815	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 104298 *Lower State Road to 202 Parkway Connector Trail*

LIMITS Central Bucks West High School to 202 Parkway Trail

Actl Let Date: 2/9/2017

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Doylestown Township

FC:

AQ Code:A2

PLAN CENTER: Town Center

IPD: 1

PROJECT MANAGER: EE/DVRPC/K. Lawrence

CMP:

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

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TAP	793												
		793	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			793	Total FY2021-2024				0	Total FY2025-2028			0

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

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

Actl Let Date: 4/6/2017

IMPROVEMENT Streetscape

MUNICIPALITIES: Bristol Township

FC:

AQ Code:X12

PLAN CENTER:

IPD: 3

PROJECT MANAGER: EE/DVRPC/J. Banks

CMP:

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

NHPP:

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	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	TAP	1,000												
		1,000	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			1,000	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 104365 *New Falls Road*

LIMITS New Falls Rd (SR 2006)

Est Let Date: 4/26/2018

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Bristol Township

FC:

AQ Code:S7

PLAN CENTER:

IPD: 3

PROJECT MANAGER: Traff/A. Patel

CMP: Not SOV Capacity Adding

CMP Subcorridor(s): 4A

PennDOT Class: Safety Improvement

PennDOT Improvement: Safety Improvement

NHPP: Y

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)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	sHSIP	630												
CON	sHSIP		1,170											
		630	1,170	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020		1,800		Total FY2021-2024				0		Total FY2025-2028		0

MPMS# 105641 *Bristol-Oxford Valley Road, Bath Road and Lakeland*

New

LIMITS Bristol-Oxford Valley Rd (SR 2029), Bath Rd (SR 2049) and Lakeland Rd intersection

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Bristol Township

FC:

AQ Code:NRS

PLAN CENTER:

IPD: 6

PROJECT MANAGER: Daniel Farley

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

This project consist of modernization of the exiting traffic signal equipment by replacing all of the existing traffic signal equipment, which includes but is not limited to; traffic signal foundations, supports and mast arms, conduit, wiring, signal heads, controller assembly, vehicular video and dilemma zone detection, signage and pavement markings. Additionally, the installation of the uninterruptable power supply (battery back-up system) and the emergency back-up generator plug is also proposed, along with optimization of the traffic signal timing and phasing. Install new ADA compliant ramps, pedestrian push buttons and dedicated hand/man pedestrian signal, with countdown timers.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	A-073	10												
PE	LOC	10												
CON	A-073	135												
CON	LOC	134												
		289	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020		289		Total FY2021-2024				0		Total FY2025-2028		0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 105642 *Oxford Valley Road/Levittown Parkway and New Falls* **New**

LIMITS Oxford Valley Rd/Levittown Parkway (SR 2051) and New Falls Rd (SR 2006) intersection No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Bristol Township **FC:** AQ Code:NRS

PLAN CENTER: IPD: 2

PROJECT MANAGER: Daniel Farley **CMP:**

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

This project consist of modernization of the exiting traffic signal equipment by replacing all of the existing traffic signal equipment, which includes but is not limited to; traffic signal foundations, supports and mast arms, conduit, wiring, signal heads, controller assembly, vehicular video and dilemma zone detection, signage and pavement markings. Additionally, the installation of the uninterruptable power supply (battery back-up system) and the emergency back-up generator plug is also proposed, along with optimization of the traffic signal timing and phasing. Upgrade the existing ADA ramps with new compliant ramps, pedestrian push buttons and dedicated hand/man pedestrian signal, with countdown timers.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	A-073	12											
PE	LOC	12											
CON	A-073	162											
CON	LOC	162											
		348	0	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020			348	Total FY2021-2024			0	Total FY2025-2028			0

MPMS# 105643 *Mill Creek Parkway and Levittown Parkway* **New**

LIMITS Intersection of Mill Creek Parkway (G454) and Levittown Parkway (SR 2051) No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Falls Township **FC:** AQ Code:NRS

PLAN CENTER: IPD: 2

PROJECT MANAGER: Daniel Farley **CMP:**

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

Falls Township is planning to upgrade and modernize the existing traffic signal located at the intersection of Mill Creek Parkway and Levittown Parkway. The Township has already completed all design work and PennDOT approved the new traffic signal permit plan on 9/17/2013. In general, the work will include a complete replacement and upgrade of the current traffic signal. New poles and mast arms will be installed to allow location of signal heads according to current standards. A new controller will be installed and will be programmed with updated timing. The new traffic signal will provide video detection in place of the current loop detectors. An emergency pre-emption system will be installed. Finally, the project will include new ADA curb ramps at each corner of the intersection, complete with pedestrian pushbuttons and signal heads.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	A-073	155											
CON	LOC	155											
		310	0	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020			310	Total FY2021-2024			0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 105645 *Lincoln Highway Traffic Adaptive System*

New

LIMITS The Lincoln Highway Corridor in Middletown Township

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Middletown Township

FC:

AQ Code:2020M

PLAN CENTER: Suburban Center

IPD: 3

PROJECT MANAGER: Daniel Farley

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Install a traffic adaptive system on Lincoln Hwy from I 95 ramp intersections to Oxford Valley Rd. The project will upgrade all the intersections in System I-76 and include the additional intersection of Lincoln Hwy and Oxford Valley Rd. Currently with the surrounding land uses (various retail developments, a large regional mall, and amusement/theme park) and nearby major highways (Interstate 95 and Route 1) the flow of traffic varies greatly, not only throughout the day, but seasonally throughout the year and static timing plans are unable to properly handle these various traffic flows. The basic coordination/retiming of the traffic signals on the Lincoln Highway corridor would not adequately address the needs associated with these traffic variations.

TIP Program Years (\$ 000)															
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
FD	A-073	8													
FD	LOC	7													
CON	A-073	283													
CON	LOC	283													
		581	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2017-2020			581				Total FY2021-2024				0		
						0				Total FY2025-2028				0	

MPMS# 105646 *Holland Road and Middle Holland Road\Upper Holland*

New

LIMITS Holland Rd (S.R. 2067) and Upper Holland Rd\Middle Holland Rd

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Northampton Township

FC:

AQ Code:NRS

PLAN CENTER:

IPD: 1

PROJECT MANAGER: Daniel Farley

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

The project proposes to replace the existing inductance loops with video detection and replace the existing pedestrian signals with countdown pedestrian signals. The existing inductance loops require constant replacement due to vehicular traffic. Also the pedestrian signals are near the end of their life cycle.

TIP Program Years (\$ 000)															
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
CON	A-073	21													
CON	LOC	21													
		42	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2017-2020			42				Total FY2021-2024				0		
						0				Total FY2025-2028				0	

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 105647 *Traffic Signal Management and Maintenance - (Penndel Borough)*

New

LIMITS Lincoln Highway, located partially in the Borough.

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Penndel Borough

FC:

AQ Code:S6

PLAN CENTER:

IPD: 2

PROJECT MANAGER: Daniel Farley

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Implementation of needed repairs and maintenance at three intersections on West Lincoln Highway in Penndel, PA (a critical corridor) in an effort to enhance the safety of pedestrians and vehicular traffic through the borough. Traffic patterns, both vehicular and pedestrian, have been trending upwards along West Lincoln Highway in Penndel. The most obvious factors attributing to this include the frequency of passenger and commercial freight trains traveling through the Langhorne Train Station, higher population levels and increased commercial development in Lower Bucks County. The borough experiences extensive foot traffic culminating in the area where Bellevue and Durham intersect Lincoln Highway and continues north on both roads towards the Langhorne Train Station and Cairn University. Penndel Borough would like to address this through a multi-phase project which includes proper management and maintenance of these intersections as a first step followed by modernization, controller and pavement marking upgrades.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
ROW	A-073	13													
ROW	LOC	12													
		25	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2017-2020			25	Total FY2021-2024				0	Total FY2025-2028				0

MPMS# 105648 *Route 309 Signal Retiming*

New

LIMITS S. West End Boulevard (SR 0309) at the intersections with W. Pumping Station Road and Tollgate Road.

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Richland Township

FC:

AQ Code:NRS

PLAN CENTER:

IPD: 1

PROJECT MANAGER: Daniel Farley

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Grant money will be used to re-time the traffic signals along S. West End Boulevard (SR 0309) at W. Pumping Station Road and Tollgate Road to include protected left-turn phasing for both approaches of W. Pumping Station Road and Tollgate Road. The township has indicated that there is a safety concern at these intersections. Due to the high through volumes, left-turning motorists traveling east/west along both W. Pumping Station Road and Tollgate Road try to beat the light by moving prior to the green phase for their approaches. These motorists conflict with vehicles traveling north/south along SR 0309 that may be running through the intersection during the yellow and/or red phase of the signal.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028		
FD	A-073	13													
FD	LOC	13													
CON	A-073	25													
CON	LOC	25													
		76	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2017-2020			76	Total FY2021-2024				0	Total FY2025-2028				0

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 106989 SR001 @ SR 0032 Interchange

New

LIMITS US 1 and PA 32 Interchange

Est Let Date: 8/24/2017

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Falls Township

FC:

AQ Code:S6

PLAN CENTER: Town Center

IPD: 4

PROJECT MANAGER: Traff/A. Patel

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

Installation of high friction surface, rumbles, RPMs, signs, and lane reconfiguration.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
FD	sHSIP	200												
CON	sHSIP	2,750												
		2,950	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			2,950	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 107458 Perkasio Borough - 2015 ARLE (ARLE 6)

New

LIMITS Fifth Street (S.R. 4039) and Blooming Glen Road (SEG)

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Perkasio Borough

FC:

AQ Code:S6

PLAN CENTER: Town Center

IPD: 1

PROJECT MANAGER: Valerie Temino

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

The project would include the installation of a new traffic signal mastarm and relocation of an existing utility, the installation of new concrete curb, the installation of two new ADA compliant curb ramps along the new radius, the upgrade of the existing pedestrian crossings throughout the intersection to continental crosswalks, the relocation of an existing inlet to the tangent section of Fifth Street and the installation of overhead lane use control along Blooming Glen Road.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	244	109												
		109	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			109	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 107794 **Woodbourne Road (SR 2033) and Langhorne-Yardley Road (SR 2049) Improvements SR:2033**

LIMITS Woodbourne Road/Langhorne-Yardley Rd to intersection of Langhorne-Yardley Rd/Bridgetown Pike Est Let Date: 12/10/2020

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Middletown Township

FC:

AQ Code:2025M

PLAN CENTER:

IPD: 1

PROJECT MANAGER: TSS/S. Fellin

CMP:

PennDOT Class: Congestion Reduction

PennDOT Improvement: Congestion Reduction

NHPP: Y

This project had previously been listed under MPMS #57624.

The proposed roadway improvements for the intersection of Woodbourne Road (SR 2033) & Langhorne-Yardley Road (SR 2049) will include the addition of left turn lanes and right turn lanes, and improved alignment of the Woodbourne Road lanes at the intersection. For the T-intersection of Langhorne-Yardley Road (SR 2049) & Bridgetown Pike (SR 2010), the improvements will include a separate left turn lane on Langhorne-Yardley Road and right turn lanes as required. The signal equipment will be replaced and modernized at both intersections.

TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	LOC	200											
FD	LOC	300											
ROW	LOC		440										
UTL	STU			338									
CON	TOLL												
CON	STU				1,971								
CON	STU					1,971							
CON	TOLL												
		500	440	338	1,971	1,971	0	0	0	0	0	0	0
		Total FY2017-2020			3,249	Total FY2021-2024			1,971	Total FY2025-2028			0

MPMS# 107802 **2016 Bucks Co ADA Ramps**

New-B

LIMITS Bucks County

Est Let Date: 7/27/2017

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Various

FC:

AQ Code:A2

PLAN CENTER:

IPD:

PROJECT MANAGER: Traffic/F.Hanney

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

This project is Design Build. This project involves the construction of ADA ramps in Bucks. This project contains 103 ADA ramps from the District ADA Transition List. Reconstruction of curb cut ramps to latest ADA standards

TIP Program Years (\$ 000)													
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
PE	581	75											
CON	TOLL												
CON	STU	800											
CON	TOLL												
CON	STU		259										
		875	259	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020			1,134	Total FY2021-2024			0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 107833 **N. Main St Sidewalk (MTF)** **New**

LIMITS North Main Street between W. Afton Avenue and McKinley Avenue No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Yardley Borough **FC:** AQ Code:A2

PLAN CENTER: IPD:

PROJECT MANAGER: AECOM/A. Kim **CMP:**

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

This project includes concrete sidewalk installation along north Main Street in Yardley Borough.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	411		454											
CON	LOC		136											
		0	590	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			590	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 108002 **Moland Park Trail (TAP)** **New**

LIMITS Warwick Township Est Let Date: 10/18/2018

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Warwick Township **FC:** AQ Code:A2

PLAN CENTER: IPD:

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

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

This project will help fund construction of a multi-use trail connecting the Moland House, a significant historical site owned by Warwick Township, to Moland Park, a 50-acre township recreation area. The Moland Park multi-use trail will include a safe underpass beneath PA 263.

In the fall of 2015, PennDOT held a competitive round for statewide TAP funding. This project was one of 13 projects across the DVRPC region that was awarded funding in January 2017 through the statewide TAP program (MPMS #60560), receiving \$500,000 out of the \$9.4 million awarded to the region.

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

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 108907 PA 663 Traffic Study, I-476 to PA 309

New

LIMITS I-476 to PA 309

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Milford Township; Richland Township

FC:

AQ Code:X1

PLAN CENTER:

IPD:

PROJECT MANAGER: TSS

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

The purpose of the PA 663 Traffic Study is to evaluate transportation facility improvement needs in the PA 663 corridor in Milford and Richland Townships, Bucks County. PA 663 provides an important regional linkage connecting I-476 (PA Turnpike Northeast Extension) and PA 309 in the Quakertown area. PA 663 between I-476 and PA 309 is composed of highway segments of varying widths and lane configurations that have been constructed by both private and public funds. Significant private development is anticipated along the corridor, including the construction of a medical campus by St. Luke's Hospital at the intersection PA 663 and Portzer Road. The PA 663 Traffic Study will investigate anticipated traffic growth and identify estimated timeframes and costs as to when intersections and/or segments may need to be improved and/or possibly widened to provide for efficient traffic operations in the 3.5-mile corridor.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
STUDY	581			100	0									
		0	0	100	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			100	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 109432 Hulmeville Road Traffic Adaptive System

New

LIMITS Hulmeville Road in Bensalem Twp

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Bensalem Township

FC:

AQ Code:2025M

PLAN CENTER:

IPD:

PROJECT MANAGER: Daniel Farley

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

This project will install an adaptive traffic signal system along the Hulmeville Road Corridor from Street Road to Bristol Road, including the adjacent intersections of Galloway Road/Byberry Road and Bristol Road/Pasquolone Boulevard.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	A-073	501												
		501	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			501	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 109433 *Mill Creek Road and Haines Road Traffic Signal Modernization* **New**

LIMITS Mill Creek Road and Haines Road No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Bristol Township **FC:** AQ Code:S7

PLAN CENTER: IPD:

PROJECT MANAGER: Daniel Farley **CMP:**

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

This project consists of modernization of existing traffic signal equipment by replacing all of the existing traffic signal equipment, but is not limited to: traffic signal foundations, supports, and mast arms, conduit, wiring, signal heads, controller assembly, vehicular video and dilemma zone detection, optical preemption system, signage and pavement markings. Additionally, the installation of the uninterruptible power supply (battery-back system) and the emergency back-up generator plug is also proposed, along with optimization of the traffic signal timing and phasing. Install new ADA compliant ramps, pedestrian push buttons, and dedicated hand/man pedestrian signal with countdown timers.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	A-073	226												
		226	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			226	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 109434 *Radcliffe Street and Randall Avenue Traffic Signal Modernization* **New**

LIMITS Radcliffe Street & Randall Avenue No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Bristol Township **FC:** AQ Code:S7

PLAN CENTER: IPD:

PROJECT MANAGER: Daniel Farley **CMP:**

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

This project will to modernize and optimize existing traffic signal equipment.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	A-073	191												
		191	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			191	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 109435 **State Road and Cedar Avenue Traffic Signal Modernization**

New

LIMITS State Road and Cedar Avenue

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Bristol Township

FC:

AQ Code:S7

PLAN CENTER:

IPD:

PROJECT MANAGER: Daniel Farley

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

This project consists of modernization of existing traffic signal equipment by replacing all of the existing traffic signal equipment, including but not limited to: traffic signal foundations, supports, and mast arms, conduit, wiring, signal heads, controller assembly, optical preemption system, vehicular video and dilemma zone detection, signage and pavement markings. Additionally, the installation of the uninterruptible power supply (battery-back system) and the emergency back-up generator plug is also proposed, along with optimization of the traffic signal timing and phasing. Installation of new ADA compliant ramps, pedestrian push buttons, and dedicated hand/man pedestrian signal with countdown timers is also proposed.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	A-073	252												
		252	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			252	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 109436 **Upper Southampton Adaptive Traffic Signal System and Knowles Avenue Safety**

New

LIMITS Second St Pk (SR 0232) from County Line Rd to Street Rd (SR 0132)

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Upper Southampton Township

FC:

AQ Code:2025M

PLAN CENTER:

IPD:

PROJECT MANAGER: Daniel Farley

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

This project will implement an adaptive traffic signal system consisting of 7 signalized intersections along Second Street Pike. In addition, an interim safety improvement for the intersection of Second Street Pike and Knowles Avenue is proposed to address the intersection's skewed geometry, and to upgrade pedestrian facilities to be ADA compliant.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	A-073	1,079												
		1,079	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			1,079	Total FY2021-2024				0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 109437 **Main Street and Afton Avenue Intersection Improvements**

New

LIMITS Main Street and Afton Avenue

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Yardley Borough

FC:

AQ Code:S7

PLAN CENTER:

IPD:

PROJECT MANAGER: Daniel Farley

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

This project consists of improvements to the intersection of Main Street (S.R. 2071) and Afton Avenue in Yardley Borough. In general, the improvements include a complete replacement and upgrade of the existing traffic signal. This project includes installation of new traffic signals, pedestrian push buttons, new sidewalk, ADA compliant ramps, pedestrian crossings and signage. New poles and mast arms will be installed to allow location of signal heads according to current standards. A new controller will be installed and programmed with updated timing. An emergency pre-emption system will also be installed.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	A-073	213											
		213	0	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020			213	Total FY2021-2024			0	Total FY2025-2028			0

MPMS# 109910 **Lower Makefield Township Traffic Signal Upgrade (ARLE 6)**

New

LIMITS Big Oak Road (SR 2024) and Makefield Road

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Lower Makefield Township

FC:

AQ Code:NRS

PLAN CENTER:

IPD:

PROJECT MANAGER: Daniel Farley

CMP:

PennDOT Class:

PennDOT Improvement:

NHPP:

This project will modernize traffic signal equipment, add emergency pre-emption, and upgrade pedestrian facilities for a traffic signal between school zones at the intersections of Big Oak Road (SR 2024) and Makefield Road.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	244	260											
		0	260	0	0	0	0	0	0	0	0	0	0
		Total FY2017-2020			260	Total FY2021-2024			0	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 109912 *Lower Southampton Township Pedestrian Improvement (ARLE 6)* **New**

LIMITS Bustleton Pike (SR 0532) and Bridle Path Lane (T-514) No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Lower Southampton Township **FC:** AQ Code:S7

PLAN CENTER: IPD:

PROJECT MANAGER: Daniel Farley **CMP:**

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

This project will install a Rectangular Rapid Flashing Device at the intersection of Bustleton Pike (SR 0532) and Bridle Path Lane (T-514).

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	244	149												
		0	149	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			149	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 110091 *King Road Bridge over Herkaken Creek (CB #54)* **New**

LIMITS No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: New Britain Township **FC:** AQ Code:S19

PLAN CENTER: IPD:

PROJECT MANAGER: TSS/Gannett/S. New **CMP:** Not SOV Capacity Adding

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

Bucks County Bridge #54 is a single span, concrete encased, steel I-beam bridge that is approximately 33 feet long. Originally built in 1912, it is currently weight-restricted to 7 tons. The bridge is structurally deficient as a result of the poor condition of the substructure, due to undermining of the near and far abutments. The bridge railing does not meet current standards and the approach guiderail also requires updating to current standards. Work to be performed includes the complete replacement of the bridge and associated approach improvements.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
PE	SSTP	300												
FD	SSTP			300										
ROW	SSTP				30									
UTL	SSTP				20									
CON	SSTP					1,350								
		0	300	300	50	1,350	0	0	0	0	0	0	0	
		Total FY2017-2020			650	Total FY2021-2024				1,350	Total FY2025-2028			0

DVRPC FY 2017-2020 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 110918 *Bristol Township Traffic Signal Upgrade (ARLE 7)* **New**

LIMITS South Oxford Valley Road (SR 2051) and Queen Anne Drive No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Bristol Township **FC:** AQ Code:NRS

PLAN CENTER: IPD:

PROJECT MANAGER: Daniel Farley **CMP:** Not SOV Capacity Adding **CMP Subcorridor(s):** 4A, 5I

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

This project will upgrade the traffic signal at the intersection of Route 2051 (South Oxford Valley Road) and Queen Anne Drive by improving traffic signal supports, installing LED modules, improving pedestrian facilities, and upgrading controller and detection systems.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	244	257											
		0	257	0	0	0	0	0	0	0	0	0	0
Total FY2017-2020		257				Total FY2021-2024		0		Total FY2025-2028		0	

MPMS# 110919 *Doylestown Township Pedestrian Improvements (ARLE 7)* **New**

LIMITS Easton Road and Turk Road; Lower State Road and Wells Road No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Doylestown Township **FC:** AQ Code:A2

PLAN CENTER: IPD:

PROJECT MANAGER: Daniel Farley **CMP:** Not SOV Capacity Adding **CMP Subcorridor(s):** 8G, 14F

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

This project will improve pedestrian facilities at the intersections of Route 1001 (Easton Road) and Turk Road, and Route 3003 (Lower State Road) and Wells Road.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028
CON	244	171											
		0	171	0	0	0	0	0	0	0	0	0	0
Total FY2017-2020		171				Total FY2021-2024		0		Total FY2025-2028		0	

DVRPC FY 2017-2020 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 110920 *Dublin Borough Pedestrian Signal Upgrades (ARLE 7)* **New**

LIMITS Route 313/Maple Ave/Elephant Rd and Main St/Dublin Village Plaza Dr No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Dublin Borough **FC:** AQ Code:A2

PLAN CENTER: IPD:

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

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

This project will upgrade two traffic signals at the Route 313/Route 4003 (Maple Avenue)/Route 4003 (Elephant Road), and Route 0313 (Main Street) and Dublin Village Plaza Drive by installing LED pedestrian signals and push buttons with confirmation latching LED and tone.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025	FY2026	FY2027	FY2028	
CON	244	117				0				0				
		0	117	0	0	0	0	0	0	0	0	0	0	
		Total FY2017-2020			117	Total FY2021-2024				0	Total FY2025-2028			0

MPMS# 111024 *Easton Road Roundabout* **New**

LIMITS Easton Rd and New Britain Rd; Easton Rd and Sauerman Rd No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Doylestown Borough **FC:** AQ Code:X5

PLAN CENTER: IPD:

PROJECT MANAGER: Traff/A. Patel **CMP:**

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

Roundabout installation at Easton Rd (SR 1001) and New Britain Rd as well as Easton Rd and Sauerman Road.

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

Total For Bucks	2017	2018	2019	2020	2017-2020	2021-2024	2025-2028
	\$145,792	\$74,949	\$55,773	\$69,033	\$345,547	\$284,371	\$72,799