

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

New-B

LIMITS NORTHAMPTON & WRIGHTSTOWN TWPS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Northampton Township; Wrightstown Borough

AQ Code:S19

PLANNING AREA: Developed Community

DOD: 0

PROJECT MANAGER: EE/JA

CMP: Not SOV Capacity Adding

This project involves bridge rehabilitation or replacement of state bridge over the Neshaminy Creek on Worthington Mill Road between Swamp Road and Twinning 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	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
FD	185							557							
ROW	185							348							
UTL	185								359						
CON	185									2,217					
		0	0	0	0	0	0	905	359	2,217	0	0	0		
		Total FY2013-2016				0	Total FY2017-2020				1,264	Total FY2021-2024			2,217

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

No Let Date

LIMITS Over Beaver Creek

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Tinicum Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD: 0

PROJECT MANAGER: TSS/GANNETT

CMP: Not SOV Capacity Adding

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

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

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
PE	BOO*	100													
ROW	STU			47											
ROW	183			9											
ROW	LOC			2											
UTL	STU			47											
UTL	183			9											
UTL	LOC			2											
CON	BOF							2,150							
CON	183							403							
CON	LOC							134							
		100	0	116	0	0	0	2,687	0	0	0	0	0		
		Total FY2013-2016				216	Total FY2017-2020				2,687	Total FY2021-2024			0

DVRPC FY 2013-2016 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: 6/7/2014

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Haycock Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD: 0

PROJECT MANAGER: P/CNV

CMP: Not SOV Capacity Adding

The project consists of replacing 16' wide weight restricted 13 ton posted bridge over Kimples Creek with a 28' wide bridge with two 11' lanes and 3' shoulders on new alignment. Due to the impacts on emergency services a temporary roadway and bridge would be required and due to the impacts of the temporary facilities on the wetlands constructing the bridge on a new alignment is the most feasible alternative. As part of the project a wetlands mitigation site will be constructed to mitigate the impacts to the existing wetlands.

The existing bridge is posted for 13 tons, shows signs of rapid deterioration, is only 1 lane wide, and has only 111 feet of stopping sight distance. Additionally the horizontal alignment of Old Bethlehem Road north and south of the bridge consists of a series of sharp horizontal curves with substandard sight distance and radii. There is evidence of utility poles being struck.

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
ROW	BOO	334												
CON	STU			1,707										
CON	185			426										
		334	0	2,133	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016		2,467		Total FY2017-2020			0			Total FY2021-2024		0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 13242 *Pineville Road Bridge Over Pidcock Creek SR:2103*

LIMITS Over Pidcock Creek

Est Let Date: 12/6/2012

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Buckingham Township

AQ Code:S19

PLANNING AREA: Growing Suburb

DOD: 1

PROJECT MANAGER: TSS/SPF

CMP: Not SOV Capacity Adding

The project is necessary to bring the deteriorated existing bridge up to current PennDOT design standards and to prolong the life of the bridge.

The SR 2103 Section 01B bridge replacement project will replace the existing Pineville Road (SR 2103) bridge over Pidcock Creek. The existing reinforced concrete T-beam bridge carries a single lane of traffic. The existing bridge has two 24-foot spans and 14.7-foot curb-to-curb width. The structure is in poor condition with a 15-ton maximum legal load weight restriction. The new structure will be construction in the same location as the existing bridge on a modified roadway alignment designed to improve traffic safety. The new structure will be a one-span 38 feet long bridge with 28-foot curb-to-curb width. The existing bridge pier will be eliminated to improve hydraulic performance. The new bridge will accommodate two 10-foot wide travel lanes with minimum 2-foot wide shoulders. The new structure will be constructed using the ConSpan precast arch system. The approach roadways will be reconstructed on the modified alignment for an approximate distance of 350-feet at each end of the new structure, transitioning into the existing roadway. Pole mounted aerial utility lines will be relocated to the modified roadway alignment.

TOLL CREDIT

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	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024			
CON	BOO															
CON	185															
		0	0	0	0	0	0	0	0	0	0	0	0			
		Total FY2013-2016				0	Total FY2017-2020				0	Total FY2021-2024				0

DVRPC FY 2013-2016 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

Est Let Date: 3/6/2014

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Perkasio Borough

AQ Code:S19

PLANNING AREA: Developed Community

DOD: 0

PROJECT MANAGER: TSS/GANNETT

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 14G

This project involves rehabilitating or replacing bridges as a three span reinforced concrete box beam bridge. The narrow two lane bridge with no shoulders will be replaced with a wider structure that provides one lane in each direction and a painted median. Improvements to an adjacent traffic signal at the intersection of Walnut Street and Constitution Avenue will also be included in the project.

The current bridge has a sidewalk along the eastern side of Walnut Street. The proposed bridge will have sidewalks along both sides of the roadway. The addition of the sidewalk along the west side of the roadway will improve pedestrian access to Lenape Park. This sidewalk was requested by Perkasio Borough. Currently, any pedestrian accessing the park from south of Constitution Avenue has to cross Walnut Street at least once. The additional sidewalk will provide for a signal-controlled crossing. The bicycle and pedestrian checklists will be incorporated into the project.

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

		TIP Program Years (\$ 000)														
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024			
FD	183	47														
FD	LOC	12														
ROW	183	40														
ROW	LOC	10														
CON	BOF					4,329										
CON	183					812										
CON	LOC					271										
		109	0	0	0	0	5,412	0	0	0	0	0	0			
		Total FY2013-2016				109	Total FY2017-2020				5,412	Total FY2021-2024				0

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

LIMITS Over Deep Run

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Bedminster Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD:

PROJECT MANAGER: TSS/GANNETT

CMP: Not SOV Capacity Adding

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

		TIP Program Years (\$ 000)														
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024			
FD	183	56														
FD	LOC	14														
ROW	183		24													
		70	24	0	0	0	0	0	0	0	0	0	0			
		Total FY2013-2016				94	Total FY2017-2020				0	Total FY2021-2024				0

DVRPC FY 2013-2016 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: 1/2/2014

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Hilltown Township

AQ Code:S19

PLANNING AREA: Growing Suburb

DOD: 0

PROJECT MANAGER: TSS/GANNETT

CMP: Not SOV Capacity Adding

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
FD	183	120												
FD	LOC	30												
ROW	STU				56									
CON	183			720										
CON	LOC			180										
		150	0	900	56	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,106	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 13337 *PA 611, Easton Road (Bridge) SR:0611*

LIMITS 2 Bridges over Gallows Road

ctl Let Date: 11/10/2011

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Nockamixon Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD:

PROJECT MANAGER: P/CNV

CMP: Not SOV Capacity Adding

This project includes the replacement and consolidation of the existing single-span bridges; reconfiguring the Easton Road/Old Easton Road/River Road triangle into a traditional three-leg (or T) intersection, abandoning Old Easton Road and removing the Old Easton Road bridge over Gallows Run, installation of new guide rail, end treatments and drainage improvements, widening of Easton Road (to provide for southbound left-turn standby lane) and providing appropriate mitigation.

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	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	NHPP		200											
CON	185		50											
		0	250	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			250	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 13338 County Line Road Bridge (Sec. BBR) SR:2038

LIMITS over West Branch of Neshaminy Creek

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Hatfield Township; New Britain Township

AQ Code:S19

PLANNING AREA: Growing Suburb

DOD:

PROJECT MANAGER: CONSTR

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 8G

The purpose of this project is to replace one structure (a bridge) and remove one structure (concrete slab bridge) and replace with concrete pipes along County Line Road in order to meet current PennDOT design standards. The limits of work are Segment 0030/0834 to Segment 0010/1288. Neither bridge is historic. Both bridges are significantly deteriorated and require replacement to meet anticipated, regional future traffic demands. The existing bridges carry 17,000 ADT and have two 12' lanes and 0' to 2' shoulders. The proposed bridge will have four 12' lanes and 10' shoulders. The extra lanes are for future widening of CLR. The roadway over the proposed pipes will be two 12' lanes with 2' shoulders to match existing roadway. The pipes can be extended in the future to accommodate widening to four lanes. There are no ped/bike facilities existing and none are proposed.

The S.R. 2038, Section BBR County Line Road Improvement Project consists of two parts: a two-span bridge replacement and a concrete slab replacement, both of which are located along County Line Road in New Britain Township, Bucks County and Hatfield Township, Montgomery County, Pennsylvania respectively. The two structures are located approximately 3,800 feet apart. The existing two-span reinforced concrete T-beam bridge, which is approximately 85 feet long and 26 feet wide, carries County Line Road (S.R. 2038) over the West Branch of Neshaminy Creek approximately 800 feet west of Walnut Street. The proposed replacement bridge will be a single-span prestressed concrete beam bridge or a steel beam bridge approximately 111 feet long and will carry two 12 foot lanes with two 10 foot shoulders 68 feet.

The second bridge, a reinforced concrete slab bridge, approximately 11 feet long, carries County Line Road over a tributary to the West Branch of Neshaminy Creek approximately 1250 feet southeast of the intersection of County Line Road and Lexington Road. The reinforced concrete slab bridge will be removed and two 36 inch reinforced concrete pipes will be installed

Currently, Section BBR of County Line Road carries two lanes with essentially no shoulders across both structures. Although Section BBR would not be widened to carry additional traffic at this time, there is the potential additional travel lanes will be necessary in the future. Consequently the replacement bridge, which will carry one travel lane and a shoulder in each direction, will be wide enough to allow for a capacity of four travel lanes and two shoulders. This wider structure will permit construction without requiring a detour and will also allow for potential future widening of the roadway. Bridge seats and wingwalls will be detailed to adapt to future construction, if necessary. At a minimum, the replacement bridge will be designed and detailed to carry two 12 foot lanes with two 10 foot shoulders to conform to the requirements of an urban minor arterial roadway.

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	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STP	47												
CON	581	12												
		59	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			59	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Exit 28 to 29 and parts of I-95

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

LRPID:35

MUNICIPALITIES: Bensalem Township; Bristol Township; Middletown Township

AQ Code:2025M

PLANNING AREA: Developed Community

DOD: 2

PROJECT MANAGER: AECOM/MG

CMP: Major SOV Capacity

Adding Subcorr(s): 1A, 4A

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

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

Stage 1 construction has been broken down into several contracts and expected completion is in 2018. Completed work includes the overhead bridges carrying Galloway and Bristol-Oxford Valley Roads over the Turnpike. Additional Stage 1 work includes the overhead bridge carrying Richlieu Road, the PA Turnpike's Northwest Quadrant Wetland Mitigation Site construction, advanced Intelligent Transportation System deployment, and construction of the new mainline toll plaza between Richlieu and Galloway Roads. The toll plaza will feature Express E-Z Pass lanes which will allow motorists to pass through the plaza at highway speeds. Conventional toll booths will be provided in the outside lanes of the plaza for cash paying customers. This toll plaza phase will also include the construction of an All Electronic Toll (AET) tolling area at the Delaware River Bridge in the westbound direction and the removal of the Route 13 Interchange toll plaza. The I-95 mainline flyover connections of the Interchange will be constructed so that I-95 can be redesignated onto the existing PA Turnpike to the NJ Turnpike. At that time, I-95 north of the Turnpike would become I-195. 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 Phase 1 improvements only, and the total estimated cost of Phase 1 (all phases) is \$424 million.

A future Stage 2 will include construction of the remaining six new interchange ramp movements which do not have the I-95 designation, and completion of the mainline widening from 2 lanes in each direction to three lanes in each direction in addition to reconstruction work on the Turnpike and I-95. Construction of Stage 2 is not anticipated to begin until 2020. A future Stage 3 will include a new parallel bridge over the Delaware River.

This is a partnership project of the Pennsylvania Turnpike Commission (PTC), PennDOT and FHWA. PennDOT is providing a total of \$186,800,000 in federal "spike" funding for the project, cash-flowed over Federal Fiscal Years (FFYs) 2013 – 2019. The funds are provided from a Statewide Line Item, and are additional funds to the DVRPC region. Use of toll credits was approved by PENNDOT in 2003. The entire 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 all sources of funds, 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.

Remaining DEMO funds: \$1,189,135 (PA ID #s 227)

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	TPK	1,000											
FD	TPK		7,000										
CON	TPK		3,380										
CON	TPK			69,050									
CON	TPK				71,610								
CON	SPK-NHS					10,000							
CON	TPK					12,340							
CON	SPK-NHS						31,500						
CON	TPK						4,070						
CON	SPK-NHS							45,300					

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Bucks												
	1,000	10,380	69,050	71,610	22,340	35,570	45,300	0	0	0	0	0
	Total FY2013-2016			152,040	Total FY2017-2020		103,210	Total FY2021-2024			0	

MPMS# 13377 Main St over SEPTA (Bridge)

New-B

LIMITS Sellersville Borough

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Sellersville Borough

AQ Code:S19

PLANNING AREA: Developed Community

DOD: 0

PROJECT MANAGER: TSS/SPF

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 14G

This project involves rehabilitating or replacing the state bridge over the SEPTA rail line on Main Street between Noble and East Church Streets in Sellersville Borough. Structurally Deficient bridge breakout project from MPMS #88706. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	185							418					
ROW	185							209					
UTL	185								359				
CON	185									3,696			
		0	0	0	0	0	0	627	359	3,696	0	0	0
		Total FY2013-2016			0	Total FY2017-2020		986	Total FY2021-2024			3,696	

DVRPC FY 2013-2016 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: 2/6/2014

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Milford Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD: 0

PROJECT MANAGER: TSS/HPF

CMP: Minor SOV Capacity

Adding Subcorr(s): 14G

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

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

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
ROW	581	584											
ROW	581		471										
ROW	581				112								
UTL	581	175											
CON	NHPP				3,414								
CON	STU				4,255								
CON	185				852								
		759	471	0	8,633	0	0	0	0	0	0	0	0
		Total FY2013-2016				Total FY2017-2020				Total FY2021-2024			
		9,863				0				0			

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 13549 **US 1 (Bridges) SR:0001**

LIMITS PA 413 - PA Turnpike

No Let Date

IMPROVEMENT Roadway New Capacity

LRPID:37

MUNICIPALITIES: Bensalem Township; Middletown Township

AQ Code:2030M

PLANNING AREA: Developed Community

DOD:

PROJECT MANAGER: TSS/PWB

CMP: Major SOV Capacity

Adding Subcorr(s): 4A, 5I

This is a roadway reconstruction and widening and bridge improvement project that involves 2.8 miles of roadway and ten bridge structures and four 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 Street Road, PA Turnpike, Neshaminy (Rockhill Drive), and 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 seven bridges, rehabilitation of two bridges, and the removal of one bridge. The bridges to be replaced are those which carry SR 1 over Street Road (1B), the PA Turnpike (9B), the PA Turnpike ramps (2B), Rockhill Drive (4B), Neshaminy Creek (5B), and Business Route 1 (6B) and the CSX and SEPTA rail lines. The bridge which carries Bristol Road over Route 1 (10B) is also to be replaced. The bridge that is to be removed (3B) currently carries Route 1 over a closed private access road. The rehabilitated bridges (7B and 8B) carry SR 1 over Highland Ave. (SR 2008).

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, the Roosevelt Cemetery and the Railroad.

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	NHPP		822										
PE	581		204										
ROW	NHPP		2,148										
ROW	581		537										
ROW	NHPP			1,348									
ROW	581			337									
		0	3,711	1,685	0	0	0	0	0	0	0	0	0
		Total FY2013-2016				Total FY2017-2020				Total FY2021-2024			
		5,396				0				0			

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Over Conrail

Est Let Date: 3/6/2014

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Middletown Township

AQ Code:S19

PLANNING AREA: Developed Community

DOD: 0

PROJECT MANAGER: TSS/DMB

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 4A, 5I

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

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

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

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	BOO*	400											
ROW	BOO*	500											
CON	STU			4,044									
CON	185			1,012									
CON	STU					1,253							
CON	STU					1,434							
CON	185					671							
		900	0	5,056	0	3,358	0	0	0	0	0	0	0
		Total FY2013-2016		5,956		Total FY2017-2020		3,358		Total FY2021-2024		0	

DVRPC FY 2013-2016 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: 9/12/2014

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Milford Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD: 0

PROJECT MANAGER: P/CNV

CMP: Not SOV Capacity Adding

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

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

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

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	TOLL												
PE	BOO	400											
FD	185	420											
ROW	185		143										
UTL	185		18										
CON	916D		2,475										
		820	2,636	0	0	0	0	0	0	0	0	0	0
		Total FY2013-2016		3,456		Total FY2017-2020				0			
										Total FY2021-2024			
										0			

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

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

Est Let Date: 7/11/2013

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Buckingham Township; Doylestown Borough; Doylestown Township

AQ Code:R3

PLANNING AREA: Growing Suburb; Developed Community

DOD: 0

PROJECT MANAGER: HNTB/MR

CMP: Minor SOV Capacity

Adding Subcorr(s): 8G, 8H

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	NHPP		66										
FD	581		17										
ROW	NHPP				711								
ROW	581				178								
CON	STU	1,509											
CON	NHS		1,975										
CON	STU		3,000										
CON	NHPP			1,766									
		1,509	5,058	1,766	889	0	0	0	0	0	0	0	0
		Total FY2013-2016				Total FY2017-2020				Total FY2021-2024			
		9,222				0				0			

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

LIMITS At US 1 and Bristol/Levittown Parkway

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Falls Township; Middletown Township

AQ Code:R1

PLANNING AREA: Developed Community

DOD: 1

PROJECT MANAGER: EE/

CMP: Minor SOV Capacity

Adding Subcorr(s): 4A, 5I

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	STU									5,942			
CON	581									1,485			
		0	0	0	0	0	0	0	0	7,427	0	0	0
		Total FY2013-2016				Total FY2017-2020				Total FY2021-2024			
		0				0				7,427			

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Over Tinicum Creek

Est Let Date: 4/15/2014

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Tinicum Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD: 0

PROJECT MANAGER: HNTB/PAM

CMP: Not SOV Capacity Adding

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

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	185	150											
CON	STU			478									
CON	185			120									
CON	STU				535								
CON	185				134								
CON	STU					1,150							
CON	185					287							
		150	0	598	669	1,437	0	0	0	0	0	0	0
		Total FY2013-2016			1,417	Total FY2017-2020			1,437	Total FY2021-2024			0

DVRPC FY 2013-2016 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: 7/15/2016

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Bensalem Township

AQ Code:2025M

PLANNING AREA: Developed Community

DOD: 2

PROJECT MANAGER: HNTB/JA

CMP: Minor SOV Capacity

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

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

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

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
FD	916	500												
CON	STU				5,029									
CON	581				1,257									
CON	STU												2,123	
CON	581												531	
		500	0	0	6,286	0	0	0	0	0	0	0	2,654	
		Total FY2013-2016			6,786	Total FY2017-2020				0	Total FY2021-2024			2,654

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 13742 *Hellertown Road Bridge Over Cooks Creek (Cooks Crossing) SR:0412*

LIMITS Over Cooks Creek

Est Let Date: 9/27/2012

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Springfield Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD:

PROJECT MANAGER: P/CNV

CMP: Not SOV Capacity Adding

The project involves the replacement of the existing Hellertown Road Bridge that carries two (2) lanes of traffic over Cooks Creek. The improvements will consist of a total bridge replacement with a single span pre-cast concrete arch culvert and minor approach roadway work. The replacement structure will be on the same alignment as the existing structure. The new structures will include two 11ft travel lanes with two 5 ft shoulders. In addition, a detour will be necessary during construction that will be approximately 7.4 mi long and will be implemented using all state owned roads.

The present structure built in 1919 is structurally deficient but does not have any posted weight restrictions. It was constructed as a one-span stone reinforced concrete rigid frame bridge with a span length of 11ft. The curb-to-curb roadway width for this bridge is 17.7 ft with no shoulders. The overall condition of the bridge is critical and scour is cited as the cause.

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	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STU		845											
CON	581		242											
		0	1,087	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,087	Total FY2017-2020				0	Total FY2021-2024			0

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

LIMITS Over Neshaminy Creek

Est Let Date: 10/24/2013

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Middletown Township

AQ Code:S19

PLANNING AREA: Developed Community

DOD:

PROJECT MANAGER: HNTB/NV

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 51

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

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
FD	185	200												
CON	581		8,050											
		200	8,050	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			8,250	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

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

AQ Code:M1

PLANNING AREA:

DOD:

PROJECT MANAGER: GB/FLEX

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 4B, 12A

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

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STP	424												
CON	LOC	106												
CON	STU		270											
CON	LOC		68											
CON	CAQ			154										
CON	LOC			39										
		530	338	193	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,061		Total FY2017-2020			0	Total FY2021-2024			0

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

LIMITS PA 413 to Levittown Parkway

Est Let Date: 9/27/2012

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Bristol Borough; Bristol Township; Tullytown Borough

AQ Code:2015M

PLANNING AREA: Developed Community

DOD: 4

PROJECT MANAGER: EE/MDH

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 4A

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

TOLL CREDIT

SAFETEA DEMO #71, PA ID #303-- \$4 Million

SAFETEA DEMO #4774, PA ID #584 - \$1 Million

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STP*	13,357												
		13,357	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			13,357		Total FY2017-2020			0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Bristol Road to PA 413

Est Let Date: 6/20/2013

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Buckingham Township; Warminster Township; Warwick Township

AQ Code:2020M

PLANNING AREA: Growing Suburb; Developed Community

DOD: 3

PROJECT MANAGER: EE/MDH

CMP: Minor SOV Capacity

Adding Subcorr(s): 8H, 12A

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

TOLL CREDIT

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	STP	14,000											
CON	STU	8,000											
CON	NHPP		5,453										
CON	NHPP			6,945									
		22,000	5,453	6,945	0	0	0	0	0	0	0	0	0
		Total FY2013-2016				Total FY2017-2020				Total FY2021-2024			
		34,398				0				0			

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

LIMITS Kulp Road to PA 611

Est Let Date: 2/18/2016

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Horsham Township; Warrington Township

AQ Code:S10

PLANNING AREA: Growing Suburb

DOD: 0

PROJECT MANAGER: Gannett/BPM

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 12B

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

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	STP*	100											
ROW	581				369								
UTL	581				368								
CON	NHPP				4,714								
CON	581				1,179								
CON	STP					5,272							
CON	581					1,318							
		100	0	0	6,630	6,590	0	0	0	0	0	0	0
		Total FY2013-2016				Total FY2017-2020				Total FY2021-2024			
		6,730				6,590				0			

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 50728 **US 202 Wetland Mitigation Section 700 SR:0202**

LIMITS Chalfont Boro., Warrington (Kansas Rd.)

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Warrington Township

AQ Code:X9

PLANNING AREA: Growing Suburb

DOD:

PROJECT MANAGER: CONSTR

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 8G

This project provides for the Wetland Mitigation associated with the US 202, Section 700 Parkway project. Approximately 10 acres of wetland replacement will be provided within an 85-acre parcel near Kansas Road in Warrington Township, Bucks County. The extensive acreage provides a large buffer area surrounding the wetland along the Neshaminy Creek.

Proposed work consist of creation of 3.7 hectares of new wetlands by removal of excavated material, placing embankment and stockpiled topsoil mixture, drainage structures, right-of-way fence, placement of conservation area markers, planting, seeding, watering and maintenance for plant establishment and other miscellaneous construction. A five year post construction monitoring is required in accordance with the Army Corps of Engineers permit.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
ROW	916	740												
		740	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			740	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 57617 **Galloway Road SR:2023**

LIMITS Hulmeville Road to Bridgewater Road

No Let Date

IMPROVEMENT Roadway New Capacity

LRPID:124

MUNICIPALITIES: Bensalem Township

AQ Code:2015M

PLANNING AREA: Developed Community

DOD:

PROJECT MANAGER: VG

CMP: Major SOV Capacity

Adding Subcorr(s): 1A, 4A, 12A

This project will provide a new three-lane roadway, one travel lane in each direction and a continuous center turn lane, that will extend Galloway Road from where it intersects with Hulmeville Road to the intersection of Bridgewater Road and Byberry Road. The new roadway will cross an unnamed tributary to Neshaminy Creek where the tributary will be conveyed through a new box culvert. Signalized intersections will be provided at each end of the roadway extension. Pedestrian sidewalks and ADA compliant ramps will also be included in the design.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STU		1,697											
CON	581		424											
CON	STU			1,911										
CON	581			478										
		0	2,121	2,389	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			4,510	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 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

AQ Code:2025M

PLANNING AREA: Growing Suburb

DOD: 0

PROJECT MANAGER: SAN/VAG

CMP: Minor SOV Capacity

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

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	STP	570											
FD	581	143											
ROW	STP					6,440							
ROW	581					1,610							
CON	STU								12,526				
CON	581								3,131				
		713	0	0	0	8,050	0	0	15,657	0	0	0	0
		Total FY2013-2016			713	Total FY2017-2020			23,707	Total FY2021-2024			0

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

LIMITS Terrace Road to First Street at Old Lincoln Highwa

Est Let Date: 6/15/2015

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Middletown Township

AQ Code:2025M

PLANNING AREA: Developed Community

DOD: 2

PROJECT MANAGER: TSS/SPF

CMP: Minor SOV Capacity

Adding Subcorr(s): 4A, 5I

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	NHPP			2,271									
CON	581			568									
CON	NHPP				205								
CON	581				51								
		0	0	2,839	256	0	0	0	0	0	0	0	0
		Total FY2013-2016			3,095	Total FY2017-2020			0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Neshaminy Creek to PECO Right-of-Way

Est Let Date: 3/27/2014

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Wrightstown Township

AQ Code:R2

PLANNING AREA: Rural Area

DOD: 0

PROJECT MANAGER: EE/JMD

CMP: Minor SOV Capacity

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
ROW	HSIP	265												
CON	STU	2,207												
CON	HSIP	1,294												
		3,766	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			3,766	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 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: 1/15/2015

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Quakertown Borough; Richland Township

AQ Code:2025M

PLANNING AREA: Developed Community; Growing Suburb

DOD: 4

PROJECT MANAGER: AECOM/ER

CMP: Minor SOV Capacity

Adding Subcorr(s): 14G

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

The 15 Intersections include:

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
UTL	NHPP		50										
UTL	CAQ			344									
UTL	CAQ				300								
CON	CAQ			1,530									
CON	CAQ				1,120								
CON	CAQ					587							
		0	50	1,874	1,420	587	0	0	0	0	0	0	0
		Total FY2013-2016			3,344	Total FY2017-2020			587	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

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

Est Let Date: 6/5/2014

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Newtown Borough; Newtown Township

AQ Code:2025M

PLANNING AREA: Developed Community; Growing Suburb

DOD: 1

PROJECT MANAGER: AECOM/ER

CMP: Minor SOV Capacity

Adding Subcorr(s): 13A

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	LOC		216											
CON	STU					865								
		0	216	0	0	865	0	0	0	0	0	0	0	
		Total FY2013-2016			216	Total FY2017-2020				865	Total FY2021-2024			0

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

LIMITS At Buck Road/Jay Street/Bristol Road

Est Let Date: 4/4/2013

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Lower Southampton Township

AQ Code:2015M

PLANNING AREA: Developed Community

DOD: 2

PROJECT MANAGER: Gannett/SAN

CMP: Minor SOV Capacity

Adding Subcorr(s): 5I, 12A

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
UTL	LOC	191												
CON	CAQ	1,485												
CON	CAQ		584											
		1,676	584	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			2,260	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 64779 **County Line Road Widening SR:2038**

LIMITS Stump Road to Lower State Road/Kulp Road

Est Let Date: 7/15/2014

IMPROVEMENT Roadway New Capacity

LRPID:34

MUNICIPALITIES: Horsham Township; Warrington Township; Montgomery Township

AQ Code:2025M

PLANNING AREA: Growing Suburb

DOD: 0

PROJECT MANAGER: Gannett/BPM

CMP: Major SOV Capacity

Adding Subcorr(s): 12B

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

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	STP	626											
FD	581	156											
FD	NHPP		160										
FD	581		40										
CON	NHPP			3,780									
CON	NHPP				9,521								
		782	200	3,780	9,521	0	0	0	0	0	0	0	0
		Total FY2013-2016				Total FY2017-2020				Total FY2021-2024			
		14,283				0				0			

DVRPC FY 2013-2016 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: 7/15/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Newtown Township

AQ Code:S19

PLANNING AREA: Growing Suburb

DOD: 0

PROJECT MANAGER: EE/JMD

CMP: Not SOV Capacity Adding

This project involves rehabilitating or replacing the structurally deficient simple span concrete adjacent box beam bridge carrying SR 2036 (Swamp Rd.) over an unnamed tributary to Neshaminy Creek. The bridge is located just west of the western entrance of the Bucks County Community College in Newtown Township. The bridge is bordered to the north by the historic Temora Farm Property and to the south by Tyler State Park. Stone retaining walls extend east and west of the existing bridge along the north side of the roadway. The superstructure of the existing bridge was replaced under an emergency contract in 2004. The existing structure is a single 28 foot span with a clear roadway width of 23.5 feet. The proposed structure will be a single 35 foot span with a clear roadway width of 28 feet (12 foot lanes and 2 foot shoulders). Traffic will be maintained using a detour during construction.

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	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	BOO	64											
PE	185	16											
FD	916		955										
FD	916			487									
ROW	916		109										
ROW	916			432									
UTL	916			279									
CON	916			1,113									
CON	916				2,078								
CON	916									487			
		80	1,064	2,311	2,078	0	0	0	0	487	0	0	0
		Total FY2013-2016			5,533	Total FY2017-2020			0	Total FY2021-2024			487

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 65922 **Route 13, East Coast Greenway Bke/Ped Bridge (North) - Phase 1 (TE) SR:0013**

LIMITS Bucks County to Delaware Street Lane

Est Let Date: 9/27/2012

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Tullytown Borough

AQ Code:A2

PLANNING AREA: Developed Community

DOD: 1

PROJECT MANAGER: EE/DVRPC/JB

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 13A

This project provides a component of the East Coast Greenway for a pedestrian crossing via construction of a pedestrian bridge to cross Route 13 in order to provide safe passage for the Delaware Canal Towpath. The bridge is planned to be located approximately 2000 feet north of Levittown Parkway where Route 13 divides.

\$500,000 TE funds were approved during the FY2002 project selection process, to be programmed at the appropriate time, drawing funds from MPMS #64984. Also see MPMS #47392, 71159, and 77449. A total of \$1.690 million TE funds have been recommended for this project.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STE													
CON	SXF	600												
		600	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			600	Total FY2017-2020				0	Total FY2021-2024			0

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

LIMITS Over Tohickon Creek

Est Let Date: 12/20/2012

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Plumstead Township; Tincum Township

AQ Code:S19

PLANNING AREA: Growing Suburb; Rural Area

DOD: 0

PROJECT MANAGER: HNTB/NV

CMP: Not SOV Capacity Adding

The purpose of this project is to replace the existing structurally deficient and functionally obsolete bridge. This replacement bridge project is located on River Road (SR 32, Sec 520) between Cafferty Road and Ferry Road on the border of Plumstead and 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 200' approximately.

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	BOO	75												
PE	TOLL													
CON	BOO	5,000												
CON	TOLL													
CON	TOLL													
CON	STU		1,287											
CON	TOLL													
CON	STU				280									
		5,075	1,287	280	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			6,642	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 70218 *Delaware Canal Pedestrian Tunnel*

LIMITS Under CSX Spur Line

Est Let Date: 10/4/2012

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Falls Township

AQ Code:A2

PLANNING AREA: Developed Community

DOD: 1

PROJECT MANAGER: EE/DVRPC/LS

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5I

This project provides a component of the East Coast Greenway and will provide for safe, direct trail passage on the towpath. A 200', 16' x 8' compartmentalized concrete box is to be placed under a USX spur line by tunnel jacking to accommodate a 4' wide bike/ped trail, linking to the existing towpath trail on either side of the rail road.

TOLL CREDIT

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	CAQ	1,314												
CON	SXF	700												
		2,014	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			2,014	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 71159 *Route 13, East Coast Greenway Bicycle/Pedestrian Bridge (TE) SR:0013*

LIMITS North/South of Levittown Parkway to I-95/PA Tpk. (TE)

Est Let Date: 9/27/2012

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Tullytown Borough

AQ Code:A2

PLANNING AREA: Developed Community

DOD: 1

PROJECT MANAGER: EE/DVRPC/JB

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 13A

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.

\$500,000 TE funds were approved during the FY2004 project selection process, to be programmed at the appropriate time, drawing funds from MPMS #64984. Also see MPMS #47392, 65922 and 77449. A total of \$1.690 million TE funds have been recommended for this crossing project.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STE	0	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			0	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 71912 *Point Pleasant Pike - Betterment Project SR:1006*

LIMITS No Let Date

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Warwick Township AQ Code:S2

PLANNING AREA: Growing Suburb DOD:

PROJECT MANAGER: CONSTR CMP: Not SOV Capacity Adding

This "Betterment" project will address faulty retaining walls. The goal of Betterment projects is to make improvements which will bring the road up to current standards. S.R. 1006 (Point Pleasant Pike) is located in Plumstead Township, Bucks County. S.R. 1006, Section RTW begins west of Tollgate Road and ends at Tohickon Hill Road. Residences are present along both sides of Point Pleasant Pike. The paved roadway is approximately 20 feet wide with one lane in each direction and intermittent shoulders of varying widths (two foot maximum). A shallow drainage swale and steep rock cut slope typically parallel the eastbound lane. Guide rail lines a steep embankment along the westbound lane and Geddes Run roughly parallels the westbound lane. The existing right-of-way along S.R. 1006 is 40 feet wide. Slope stability analyses were performed along the corridor. Approximately 4570 feet of slope stability will be necessary. Guide rail will also be placed along the westbound lanes in embankment areas steeper than 1V: 3H.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
ROW	TOLL													
ROW	STU		110											
CON	STU		2,123											
CON	TOLL													
		0	2,233	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			2,233	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 72906 *Afton Avenue Streetscape (HTSSRS)*

LIMITS Delaware River to Lake Afton No Let Date

IMPROVEMENT Streetscape

MUNICIPALITIES: Yardley Borough AQ Code:A2

PLANNING AREA: Developed Community DOD: 1

PROJECT MANAGER: EE/DVRPC/JPB CMP: Not SOV Capacity Adding

The Home Town Streets/Safe Routes to School (HTSSRS) programs are intended to improve the quality of life in our communities. Projects aim to encourage reinvestment in and redevelopment of our downtowns, and to establish safe walking routes for children to commute to school where feasible.

This project involves streetscape improvements along Afton Avenue in Yardley's Central Business District, extending from the Delaware River to Lake Afton. Improvements will include replacement of existing sidewalks as well as crosswalks, signage, lightning, as well as accessibility and amenity improvements.

This project was recommended in the spring of 2005 for funding through the HTSSRS program. \$861,500 funding will be drawn down at the appropriate time.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STE	50												
		50	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			50	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 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: 5/1/2014

IMPROVEMENT Streetscape

MUNICIPALITIES: Bristol Borough; Yardley Borough

AQ Code:X12

PLANNING AREA: Developed Community

DOD: 1

PROJECT MANAGER: AECOM/JD

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 4A

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

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

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

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	SXF		1,100											
CON	LOC		275											
		0	1,375	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,375	Total FY2017-2020				0	Total FY2021-2024			0

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

LIMITS North of Route 1 to Philadelphia

Est Let Date: 9/27/2012

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Tullytown Borough

AQ Code:A2

PLANNING AREA: Developed Community

DOD: 1

PROJECT MANAGER: EE/DVRPC/JB

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 5I

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	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STE		471											
CON	LOC													
		471	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			471	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 77455 *Broad/Main/Front Streets Streetscape - Phase 3 (TE)*

LIMITS At Broad/Main/Front Streets No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Quakertown Borough AQ Code:A2

PLANNING AREA: Developed Community DOD: 3

PROJECT MANAGER: EE/DVRPC/JC **CMP:** Not SOV Capacity Adding Adding Subcorr(s): 14C

This project includes the installation of patterned concrete crosswalks & lighting that is more in character with the historic nature of downtown Quakertown. It will increase pedestrian access by re-configuring & landscaping the central triangle dividing East & West Broad Street & encouraging more appropriate downtown parking options.

In the spring of 2006 this project was recommended for funding through the Home Town Streets Program. \$482,755 will be drawn from MPMS #64984 at the appropriate time.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	STE												
		0	0	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		0				Total FY2017-2020				0			
Total FY2021-2024										0			

MPMS# 77456 *Route 13, Redevelopment Project, Croydon (TE) SR:0013*

LIMITS Street Road to Levittown Parkway No Let Date

IMPROVEMENT Streetscape

MUNICIPALITIES: Bristol Township AQ Code:X12

PLANNING AREA: Developed Community DOD: 2

PROJECT MANAGER: EE/DVRPC/JB **CMP:** Not SOV Capacity Adding Adding Subcorr(s): 4A

This project, in the Croydon area of Bristol Township, provides rehabilitation of a 2 block section of S.R. 0013, from the Walnut/Cedar Roads signalized intersection to the Newportville Road signalized intersection, in the immediate vicinity of the SEPTA Regional Rail station. The project includes new sidewalks/curbs, pedestrian scale lighting, street trees, trash receptacles, benches, and crosswalks

In the spring of 2006 this project was recommended for funding through the Home Town Streets Program. \$510,000 will be drawn from MPMS #64984 at the appropriate time.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	STE												
			507										
		0	507	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		507				Total FY2017-2020				0			
Total FY2021-2024										0			

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS PA 413 and Pine Street No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Langhorne Borough AQ Code:A2

PLANNING AREA: Developed Community DOD: 0

PROJECT MANAGER: AECOM/JD **CMP:** Not SOV Capacity Adding Adding Subcorr(s): 4A, 5I

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

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

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
CON	STE		280												
CON	STU		207												
CON	STU			73											
		0	487	73	0	0	0	0	0	0	0	0	0		
Total FY2013-2016		560			Total FY2017-2020				0				Total FY2021-2024		0

MPMS# 77469 Doylestown Borough Safe Routes to School (TE)

LIMITS Vicinity of Linden Elementary School No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Doylestown Borough AQ Code:A2

PLANNING AREA: Developed Community DOD: 2

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

This project includes the installation of new curb, sidewalk & curb ramps where none exist in the vicinity of Linden Elementary School in Doylestown Borough. In an effort to provide safe passages to schools located within the Borough, new sidewalks are proposed along portions of East Street, West Oakland Avenue, Washington Street, Union Street, Decatur Street, Doyle Street, Avenue A, and North Franklin Street. Curb ramps are proposed where prompted by safety and accessibility concerns. Work along East Street will additionally include grading, the demolition of a retaining wall, and the construction of a replacement retaining wall.

In the spring of 2006 this project was recommended for \$201,250 funding through the Safe Routes to School Program. Instead, an additional \$100,000 Regional STE was drawn down from availability of MPMS #77469, Doylestown Borough Safe Routes to School and programmed for the construction of MPMS #72907 - Doylestown Borough Safe Routes to School HTSSRS in FY07. \$101,250 STE funds remain for this project (MPMS #77469) and will be drawn down from MPMS #64984 at the appropriate time.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
CON	STE	0	0	0	0	0	0	0	0	0	0	0	0		
Total FY2013-2016		0			Total FY2017-2020				0				Total FY2021-2024		0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 78516 **Bridge Replacement Brownsville Road**

LIMITS Brownsville Road over Neshaminy Creek

Est Let Date: 10/15/2015

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES:

AQ Code:S19

PLANNING AREA:

DOD: 0

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 51

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	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024			
PE	STP					630										
PE	185					158										
FD	STP						98									
FD	185						25									
CON	STP								313							
CON	185								78							
		0	0	0	0	788	123	0	391	0	0	0	0			
		Total FY2013-2016				0	Total FY2017-2020				1,302	Total FY2021-2024				0

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

LIMITS Over Neshaminy Creek

Est Let Date: 3/15/2016

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Hilltown Township

AQ Code:S19

PLANNING AREA: Growing Suburb

DOD: 0

PROJECT MANAGER: TSS/GANNETT

CMP: Not SOV Capacity Adding

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

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

		TIP Program Years (\$ 000)														
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024			
UTL	BOO	47														
UTL	183	8														
UTL	LOC	3														
CON	STU		561													
CON	183		110													
CON	LOC		66													
		58	737	0	0	0	0	0	0	0	0	0	0			
		Total FY2013-2016				795	Total FY2017-2020				0	Total FY2021-2024				0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 86860 PA 611 Bridge Over Cooks Creek

LIMITS Over Cooks Creek

Est Let Date: 12/15/2015

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Durham Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD: 1

PROJECT MANAGER: Gannett/PTL

CMP: Not SOV Capacity Adding

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

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	185	1,167											
ROW	185	58											
UTL	185	58											
CON	NHPP					5,072							
CON	185					1,268							
		1,283	0	0	0	6,340	0	0	0	0	0	0	0
		Total FY2013-2016			1,283	Total FY2017-2020			6,340	Total FY2021-2024			0

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

LIMITS Church Road to Tollgate Road

Est Let Date: 10/15/2015

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Hatfield Township; Hilltown Township; Richland Township; West Rockhill Township

AQ Code:S10

PLANNING AREA: Growing Suburb; Rural Area

DOD: 1

PROJECT MANAGER: TSS/DMB

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 14G

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	TOLL												
PE	NHPP		800										
FD	STU	796											
CON	STP												
CON	581												
CON	NHPP				4,502								
CON	581				1,126								
CON	STP					4,502							
CON	581					1,126							
CON	STP							4,908					
		796	800	0	5,628	5,628	0	4,908	0	0	0	0	0
		Total FY2013-2016			7,224	Total FY2017-2020			10,536	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS US 202, Chalfont to New Britain Borough

Est Let Date: 6/15/2015

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Chalfont Borough; New Britain Borough

AQ Code:A2

PLANNING AREA: Developed Community

DOD: 0

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

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

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

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

Federal Safe Routes to School Program

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	SRTSF	107												
CON	SRTSF			768										
		107	0	768	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			875	Total FY2017-2020				0	Total FY2021-2024			0

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

LIMITS

No Let Date

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Solebury Township

AQ Code:S10

PLANNING AREA: Rural Area

DOD:

PROJECT MANAGER: P/CNV **CMP:** Not SOV Capacity Adding

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
ROW	TOLL													
ROW	STU	200												
UTL	STU	20												
CON	STU	500												
CON	TOLL													
CON	TOLL													
CON	STU			3,296										
		720	0	3,296	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			4,016	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS SR 532 to SR 413

Est Let Date: 3/15/2015

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES:

AQ Code:R2

PLANNING AREA:

DOD: 0

PROJECT MANAGER: Gannett/CS

CMP: Minor SOV Capacity

This project involves construction of improvements at multiple locations along Durham Road (S.R. 0413), Stoopville Road (S.R. 2028), Eagle Road (a Township Road), Washington Crossing Road (S.R. 0532), and Highland Road (a Township Road), in Upper Makefield, Lower Makefield, Newtown, and Wrightstown Townships, Bucks County, PA. The project extends from the Stoopville Road/Durham Road (S.R. 0413) intersection to the village of Dolington along S.R. 0532.

Proposed improvements include:

- (1) New traffic signal at Durham Rd. (S.R. 0413) and Stoopville Rd. (S.R. 2028) intersection
- (2) Traffic control and gateway signs and painting of stop bars on pavement along Washington Crossing Rd. through village of Dolington, including multi-way stop at intersection of Washington Crossing Rd. and Dolington Rd.
- (3) 6' wide Pedestrian walkway along sections of northern and southern side of Stoopville Rd., western side of Eagle Rd. to Marigold Dr.; and northern side of Washington Crossing Road to Highland Park. Along with this construction will include: decorative crosswalks, new ADA-compliant curb ramps for walking path crossings at the Eagleton Farms Rd. and Stoopville Rd. intersection, and a 12 ft. extension of existing pipe culvert to carry tributary to Hough's Creek beneath Stoopville Rd. between Highland Rd. and Creamery Rd.
- (4) New turn lane to two intersections: 200' turn lane from southbound Durham Road onto eastbound Stoopville Road, including installation of a new traffic signal at Durham Rd. (S.R. 0413) and Stoopville Rd (S.R. 2028) intersection, and a new 150' turn lane from South Bound Highland Road onto westbound 532 at Durham Rd. (S.R. 0413) and Stoopville Rd (S.R. 2028) intersection.
- (5) Widening west side of Highland Rd. at Washington Crossing Rd. to provide exclusive right-turn lane from southbound Highland Road to westbound Washington Crossing Road, and (6) relocation of utility poles to directly behind edge of new pavement to accommodate the widened highway.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
FD	SXF	75												
ROW	SXF		100											
UTL	SXF		100											
CON	STU			200										
CON	FHA			950										
		75	200	1,150	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,425	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 90197 *Tyburn Road Bridges (1) Over Amtrak/Conrail*

LIMITS Over Amtrak/Conrail

Est Let Date: 9/13/2012

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Falls Township

AQ Code:S19

PLANNING AREA: Developed Community

DOD: 1

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

This project entails the superstructure rehabilitation/ replacement and substructure rehab to a bridge on Tyburn Road (SR 2020). These bridge carries Tyburn Road over Amtrak and Conrail. As part of this rehabilitation structures will be analyzed and retrofitted to address seismic loading conditions. Road way reconstruction will be minimal and it will be limited to profile changes to address the substandard vertical clearance issues. Project involves coordination with CSX and Amtrak. During construction Tyburn Road will be open for traffic at least one lane in each direction. 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	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	916	1,298												
		1,298	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,298	Total FY2017-2020				0	Total FY2021-2024			0

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

New-B

LIMITS Sellersville Borough, North of Park ave Intersection

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Sellersville Borough

AQ Code:S19

PLANNING AREA: Developed Community

DOD: 0

PROJECT MANAGER: TSS/SPF **CMP:** Not SOV Capacity Adding Adding Subcorr(s): 14G

This project involves rehabilitating or replacing state bridge over the Perkiomen Creek on Main Street between Maple Avenue and Diamond Street in Sellersville Borough. Structurally Deficient bridge breakout project from MPMS #88706. A final alternative for bridge rehabilitation or replacement is determined upon federal National Environmental Policy Act (NEPA) or state Categorical Exclusion clearance.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
FD	185							418						
ROW	185								215					
UTL	185								144					
CON	185								3,588					
		0	0	0	0	0	0	418	3,947	0	0	0	0	
		Total FY2013-2016			0	Total FY2017-2020				4,365	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 92872 *Clymer Ave o/ Mill Creek (Bridge)*

LIMITS Clymer Avenue over Mill Creek No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: West Rockhill Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD:

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

This project is a retro-reimbursement for a bridge rehabilitation of Bucks County Bridge No. 234 which is a closed spandrel stone arch bridge on Clymer Avenue over Mill Creek in West Rockhill Township. Originally constructed in 1875, the existing bridge is 189 feet long and the curb to curb width is approximately 19.2 feet.

The scope of work will involve the removal of all material within the arch barrels and the reconstruction of the arch rings, excavation of existing paving, removal of all plastered surfaces, channel cleaning, rebuilding of spandrel walls, installation of 12 inch thick reinforced concrete slab entire length of bridge, reconstruction of parapets, installation of 4 inch stone veneer and repointing of the entire structure. All necessary permits have been secured. No widening or expansion of the existing structure is anticipated.

		TIP Program Years (\$ 000)														
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024			
FD	183		47													
FD	LOC		12													
CON	183		955													
CON	LOC		239													
		0	1,253	0	0	0	0	0	0	0	0	0	0			
		Total FY2013-2016			1,253			Total FY2017-2020			0			Total FY2021-2024		0

MPMS# 93439 *District Bridge Maint Contract 1*

LIMITS Various Bridges in Bucks County No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: CONSTR **CMP:**

This project is to fund the rehabilitation of Structurally Deficient (SD) bridges that are within Bucks County:
 S.R. 2025 over Branch Mill Creek
 S.R. 2079 over Neshaminy Creek
 S.R. 2196 over Interstate 95
 S.R. 4009 over Pine Run

		TIP Program Years (\$ 000)														
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024			
CON	916	1,967														
CON	916		1,220													
		1,967	1,220	0	0	0	0	0	0	0	0	0	0			
		Total FY2013-2016			3,187			Total FY2017-2020			0			Total FY2021-2024		0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 94784 District Surface Treatment 87 (6-1) (ADA Ramps)

LIMITS

No Let Date

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES:

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: CONSTR

CMP:

These are ramp improvements for compliance with Americans with Disabilities Act of 1990 (ADA) that are companion improvements to road surface treatment projects undertaken by District 6-0 Maintenance Division.

- S.R. Souderton Pike: Start Segment 0110, Start Offset 0000, End Segment 0160, End Offset 0000
- Woodbourne Rd/Ellis Rd/Double Woods Rd: Start Segment 0110, Start Offset 0000, End Segment 0150, End Offset 1712
- Aquetong Rd: Start Segment 0030, Start Offset 0341, End Segment 0050, End Offset 0000
- Church Rd: Start Segment 0010, Start Offset 0000, End Segment 0300, End Offset 3302
- Hulmeville Rd: Start Segment 0110, Start Offset 0000, End Segment 0130, End Offset 3374
- Taylorville Rd: Start Segment 0140, Start Offset 0000, End Segment 01590, End Offset 0235
- Spinnerstown Rd: Start Segment 0030, Start Offset 0000, End Segment 0050, End Offset 3271
- Durham Rd: Start Segment 0460, Start Offset 0000, End Segment 0530, End Offset 1804
- Bristol Rd: Start Segment 0152, Start Offset 0000, End Segment 0202, End Offset 0000
- Sugar Bottom Rd/Pebble Hill Rd: Start Segment 0010, Start Offset 2264, End Segment 0060, End Offset 0399
- Callowhill Rd: Start Segment 0060, Start Offset 0000, End Segment 0080, End Offset 3170
- Trevoise Rd/Brownsville Rd: Start Segment 0001 Start Offset 0000, End Segment 0080, End Offset 2370
- Eagle Rd: Start Segment 0010, Start Offset 0000, End Segment 0050, End Offset 0000
- River Rd: Start Segment 0140, Start Offset 0000, End Segment 0350, End Offset 0000
- Bath St: Start Segment 0010, Start Offset 0000, End Segment 0010, End Offset 2013
- Upper Ridge Rd: Start Segment 0110, Start Offset 2246, End Segment 0120, End Offset 2248
- Mearns Rd: Start Segment 0010, Start Offset 0000, End Segment 0040, End Offset 0000
- Bethlehem Pike: Start Segment 0290, Start Offset 3147, End Segment 0380, End Offset 0922
- County Line Rd/Main St: Start Segment 0040, Start Offset 0000, End Segment 0090, End Offset 0000
- Church Rd: Start Segment 0010, Start Offset 0000, End Segment 0040, End Offset 0528
- Chinquapin Rd: Start Segment 0252, Start Offset 0000, End Segment 0262, End Offset 2285
- I-95: Start Segment 0404, Start Offset 1239, End Segment 0410, End Offset 0994
- Main Street: Start Segment 0040, Start Offset 0000, End Segment 0100, End Offset 2230

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	916		758											
		0	758	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			758	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

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

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

LRPID:35

MUNICIPALITIES: Bensalem Township; Bristol Borough; Middletown Township

AQ Code:2025M

PLANNING AREA: Developed Community

DOD:

PROJECT MANAGER: AECOM/MG

CMP: Major SOV Capacity

Adding Subcorr(s): 1A, 4A

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

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

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

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

This is a partnership project of the Pennsylvania Turnpike Commission (PTC), PennDOT and FHWA. PennDOT is providing a total of \$186,800,000 in federal "spike" funding for the project, cash-flowed over Federal Fiscal Years (FFYs) 2013 – 2019. The funds are provided from a Statewide Line Item, and are additional funds to the DVRPC region. Use of toll credits was approved by PENNDOT in 2003. The entire 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 all sources of funds, 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.

Remaining DEMO funds: \$1,189,135 (PA ID #s 227)

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	SPK-NHPP		30,000										
CON	SXF		1,189										
CON	TPK		55,873										
CON	SPK-NHPP			30,000									
CON	SPK-NHPP				20,000								
CON	SPK-NHPP					20,000							
		0	87,062	30,000	20,000	20,000	0	0	0	0	0	0	0
		Total FY2013-2016			137,062	Total FY2017-2020			20,000	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 95449 Lower Bucks County Waterfront Redevelopment/Access Project

New

LIMITS

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Bensalem Township

AQ Code:NRS

PLANNING AREA: Developed Community

DOD: 1

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

The extension of Street Road in Bensalem Township, Bucks County, Pennsylvania will begin at the existing terminus at State Road and will continue 0.2 miles toward the Delaware River. Private property parcels will be assembled and redeveloped to newly create a two-way public boulevard ending at a cul de sac loop near the Delaware River. The extension of Street Road will provide public access to the Delaware River waterfront, new ADA compliant sidewalks and curbs ramps, public parking with striping, and enhancements including plantings and dedicated pedestrian and bicycle features.

\$471,609 TCSP (Transportation and Community System Preservation) funds is part of the FFY2010 Consolidated Appropriations Act (10PA002) that requires a 20% local match, TCSP Project ID 10PA004.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	TCS	472												
CON	LOC	125												
		597	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			597	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 96071 Bucks County Bridge Deck Sealing

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

AQ Code:S10

PLANNING AREA:

DOD:

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

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	TOLL													
CON	NHPP		2,000											
		0	2,000	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			2,000	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Doylestown Township

AQ Code:S7

PLANNING AREA: Developed Community

DOD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

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

As required by PennDOT, District 6-0 Traffic Unit the Traffic Signal Permit plans will be revised as necessary.

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

Round 3 of ARLE awarded approximately a total of \$4.7 million statewide.

2012 ARLE Round 3 award: \$90,000

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
CON	244		90												
		0	90	0	0	0	0	0	0	0	0	0	0		
		Total FY2013-2016			90	Total FY2017-2020				0	Total FY2021-2024				0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 97992 *East Rockhill Township Signal Improvements (ARLE 3)*

LIMITS No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: East Rockhill Township AQ Code:S7

PLANNING AREA: Rural Area DOD:

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

This project funded by the Automated Red Light Enforcement (ARLE) Round 3 program will be used to retrofit an existing signal with LEDs, emergency preemption, and signage repair at the intersection of PA 313 and Ridge Road.

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 of ARLE awarded approximately a total of \$4.7 million statewide.

2012 ARLE Round 3 award: \$17,500

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	244		17										
		0	17	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		17				Total FY2017-2020				0			
						Total FY2017-2020				0			
										Total FY2021-2024			
										0			

MPMS# 98220 *Bridge Street over Cook's Creek*

LIMITS No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Springfield Township AQ Code:S19

PLANNING AREA: Rural Area DOD:

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

This project is a bridge rehabilitation/replacement of Bridge Street over Cook's Creek in Springfield Township, Bucks County. Bridge Street over Cooks Creek bridge is a structurally deficient bridge as a result of a serious condition (rating of 3) due to severe corrosion of abutment bearings and steel stringers. The stone masonry abutments and wingwalls are listed in fair condition (rating of 5)

Work to be performed includes the replacement of steel stringers, grid deck and abutment and backwalls to correct the superstructure problems as well as other maintenance and safety improvements at the approaches. There are currently no safety features on the bridge.

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

County Bridge #198

Bridge ID: 09700904790198

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	ACT13		5										
FD	ACT13		20										
CON	ACT13		725										
		0	750	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		750				Total FY2017-2020				0			
						Total FY2017-2020				0			
										Total FY2021-2024			
										0			

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: AQ Code:S19

PLANNING AREA: DOD:

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

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

Funding for this project will be drawn down from the Local 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	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	183	0	0	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		0				Total FY2017-2020				0			
Total FY2021-2024		0				Total FY2017-2020				0			

MPMS# 101796 *Bucks Co RR LED Lights*

LIMITS Various grade crossing locations across Bucks County No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Various AQ Code:S1

PLANNING AREA: DOD:

PROJECT MANAGER: MAL/M. LANG **CMP:**

Installation of railroad LED lights at various locations in Bucks County.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	TOLL		90										
CON	RRX	0	90	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		90				Total FY2017-2020				0			
Total FY2021-2024		0				Total FY2017-2020				0			

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

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

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Bensalem Township; Newtown Township

AQ Code:2015M

PLANNING AREA: Developed Community; Growing Suburb

DOD:

PROJECT MANAGER: **CMP:**

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

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

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	STP		30										
PE	TOLL												
CON	CAQ		1,080										
CON	STP		640										
CON	TOLL												
CON	TOLL												
CON	CAQ			850									
		0	1,750	850	0	0	0	0	0	0	0	0	0
		Total FY2013-2016				Total FY2017-2020				Total FY2021-2024			
		2,600				0				0			

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

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

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: East Rockhill Township

AQ Code:R2

PLANNING AREA: Rural Area

DOD:

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

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

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

Round 4 of ARLE awarded approximately a total of \$8.8 million statewide.

2013 ARLE Round 4 award: \$160,000

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	244		160											
		0	160	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			160	Total FY2017-2020				0	Total FY2021-2024			0

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

LIMITS

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Solebury Township

AQ Code:2025M

PLANNING AREA: Rural Area

DOD:

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

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

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

Round 4 of ARLE awarded approximately a total of \$8.8 million statewide.

2013 ARLE Round 4 award: \$165,000

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	244		165											
		0	165	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			165	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

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

LIMITS Intersection/Interchange Improvements No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Telford Borough (part) *; Telford Borough (part) * AQ Code:R1

PLANNING AREA: Developed Community DOD:

PROJECT MANAGER: **CMP:** Not SOV Capacity Adding Adding Subcorr(s): 11A, 14C

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

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

Round 4 of ARLE awarded approximately a total of \$8.8 million statewide.

2013 ARLE Round 4 award: \$183,000

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
CON	244	183													
		0	183	0	0	0	0	0	0	0	0	0	0		
		Total FY2013-2016			183		Total FY2017-2020				0		Total FY2021-2024		0

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

LIMITS Street Road (SR 132) from Valley Road to Centennial Road No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Warminster Township AQ Code:2025M

PLANNING AREA: Developed Community DOD:

PROJECT MANAGER: **CMP:** Minor SOV Capacity Adding Subcorr(s): 12A, 14F

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

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

Round 4 of ARLE awarded approximately a total of \$8.8 million statewide.

2013 ARLE Round 4 award: \$90,000

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
CON	244	90													
		0	90	0	0	0	0	0	0	0	0	0	0		
		Total FY2013-2016			90		Total FY2017-2020				0		Total FY2021-2024		0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 102373 SR 232 Resurfacing BucksCo

New

LIMITS Windy Bush Rd (SR 0232) from Durham Road (SR 0413) to River Road (SR 0032)

No Let Date

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: New Hope Borough; Solebury Township; Upper Makefield Township; Wrightstown Township

AQ Code:S10

PLANNING AREA: Developed Community; Rural Area

DOD:

PROJECT MANAGER: Maint./L. Ryan

CMP: Not SOV Capacity Adding

5.9 total segment miles of road resurfacing on Windy Bush Rd (SR 0232) from Durham Road (SR 0413) to River Road (SR 0032) in Wrightstown, Upper Makefield, Solebury Twps and New Hope Boro of Bucks County.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	S581		4										
CON	S581		689										
CON	S581			900									
		0	693	900	0	0	0	0	0	0	0	0	0
Total FY2013-2016		1,593				Total FY2017-2020				0			
						Total FY2021-2024				0			

MPMS# 102374 SR 132 Resurfacing BucksCo

New

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

No Let Date

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Lower Southampton Township; Upper Southampton Township; Warminster Township; Warringt

AQ Code:S10

PLANNING AREA: Developed Community; Growing Suburb

DOD:

PROJECT MANAGER: Maint./L. Ryan

CMP: Not SOV Capacity Adding

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	S581		6										
CON	S581		1,779										
CON	S581			3,800									
		0	1,785	3,800	0	0	0	0	0	0	0	0	0
Total FY2013-2016		5,585				Total FY2017-2020				0			
						Total FY2021-2024				0			

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 102375 SR611/SR1001 Pave/Reconst

New

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

No Let Date

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: Doylestown Borough

AQ Code:S10

PLANNING AREA: Developed Community

DOD:

PROJECT MANAGER: Maint./L. Ryan

CMP: Not SOV Capacity Adding

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
FD	S581		3										
CON	S581		2,543										
CON	S581			2,250									
		0	2,546	2,250	0	0	0	0	0	0	0	0	0
Total FY2013-2016		4,796				Total FY2017-2020				0			
						Total FY2021-2024				0			

MPMS# 102711 Bucks Road over East Branch Perkiomen Creek

New

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Bedminster Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

Bridge #339 is a structurally deficient bridge as a result of a serious condition (rating of 3) due to severe corrosion in the steel truss members, steel floor beams, and steel stringers. The stone masonry abutments and wingwalls are listed in fair condition. There currently are no safety features on the bridge or at the bridge approaches.

Work to be performed includes the replacement of steel truss members, stringer to floor beams connections, steel stringers, grid deck, abutment seat and backwalls to correct the superstructure problems as well as other substructure maintenance and safety improvements at the approaches.

Bridge #339

Bridge ID: 09700903760339

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	ACT13		25										
FD	ACT13		75										
CON	ACT13		504										
		0	604	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		604				Total FY2017-2020				0			
						Total FY2021-2024				0			

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 102830 *Neshaminy Greenway Trail to Lenape Lane*

LIMITS Lenape Lane to Upper State Road

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Chalfont Borough

AQ Code:A2

PLANNING AREA: Developed Community

DOD:

PROJECT MANAGER: EE/DVRPC/J. Banks

CMP:

This project will construct 1.0 miles of trail from Lenape Lane in Chalfont Borough to Upper State Road in Doylestown Township, which would complete the final phase of the Neshaminy Greenway Trail project by closing a critical gap in Buck's Counties primary trail and greenway plan. It will also improve access to the Chalfont and New Britain SEPTA stations, create a safe route to the Unami Middle school and Delaware Valley College for students and employees, improve access to natural areas along the Neshaminy Creek, create non-motorized transportation options and promote bicycle/pedestrian connections to the 9 mile long 202 Parkway Trail and create a safer off-road bike/pedestrian facility in the area. With the completion of this trail connection, over 30 miles of safe trail will be accessed, through two counties and eight municipalities.

This project was awarded \$800,000 regional Transportation Alternatives Program (TAP) funding in June 2014 for construction. Funds will be drawn down from the TAP line item (MPMS #64984) at the appropriate time.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	TAP												
		0	0	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		0				Total FY2017-2020				0			
Total FY2021-2024		0											

MPMS# 102831 *Solebury Route 202 Gateway Trail*

LIMITS

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Solebury Township

AQ Code:A2

PLANNING AREA: Rural Area

DOD:

PROJECT MANAGER: EE/DVRPC/K. Lawrence

CMP:

This project will construct 1.68 miles of the Solebury Route 32 segment of the Bucks Cross-County Route 202 Trail, including:

- 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.

Final engineering is completed; HOP permit is approved; and these will be used as the basis to make the modifications necessary to meet FHWA submission requirements and secure the CEE.

This project was awarded \$980,859 regional Transportation Alternatives Program (TAP) funding in June 2014 for construction. Funds will be drawn down from the TAP line item (MPMS #64984) at the appropriate time.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	TAP												
		0	0	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		0				Total FY2017-2020				0			
Total FY2021-2024		0											

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 102986 *Traugers Crossing over Gallows Run*

New

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Nockamixon Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD:

PROJECT MANAGER: TSS/T. Stevenson

CMP:

Work to be performed includes the replacement of steel stringers, steel floorbeams, wooden riding boards with a steal grid deck, abutment and backwalls and other maintenance and safety improvements at the approaches.

This bridge is a single span Steel Pratt Pony Truss measuring 51' center to center of bearings. It is currently weight restricted to 3 tons with no trucks allowed. There are currently no safety features on the bridge and at the bridge approaches. The bridge is also structurally deficient as a result of a critical condition (rating of 2) due to severe corrosion of steel stringers and steel floorbeams.

Bridge #221

Bridge ID: 09700904810221

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	ACT13		5										
FD	ACT13		20										
CON	ACT13		625										
		0	650	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		650			Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 102987 *East Brownsburg Road over Jericho Creek*

New

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Upper Makefield Township

AQ Code:S19

PLANNING AREA: Rural Area

DOD:

PROJECT MANAGER: TSS/T. Stevenson

CMP:

Work to be performed on this bridge includes the rehabilitation of the abutments, wingwalls, and pier, as well as repair and rehabilitation of the deck. Safety improvements at the approaches and across the bridge will also be completed.

Built in 1920, this is a two-span reinforced concrete T-beam structurally deficient bridge as a result of a poor condition of the deck and substructure units (rating of 4). The underside of deck has large spalled areas of concrete with exposed, corroded reinforcement. The abutments and wingwalls have numerous areas of missing mortar plus loose and missing stones. Advanced scour is exhibited at the pier. The bridge is currently not weight restricted. It has no safety features at the bridge approaches and substandard railing across the bridge.

Bridge #280

Bridge ID: 09700903690280

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	ACT13		15										
FD	ACT13		50										
ROW	ACT13		10										
CON	ACT13		275										
		0	350	0	0	0	0	0	0	0	0	0	0
Total FY2013-2016		350			Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Bucks

MPMS# 102988 Gravel Hill over Mill Creek

New

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Upper Southampton Township

AQ Code:S19

PLANNING AREA: Developed Community

DOD:

PROJECT MANAGER: TSS/T. Stevenson

CMP:

Work to be performed on this structurally deficient county bridge #293 in Upper Southampton Township includes rehabilitation of the stone masonry spandrel walls and arches, as well as replacement of the grout between the arch ring and corrugated steel lining. Sign correction, substructure maintenance, and safety improvements at the approaches will also be completed.

Originally constructed in 1860, the bridge is a single-lane, two-span closed spandrel stone arch structure and is a structurally deficient bridge as a result of the stone masonry superstructure listed as poor condition (rating of 4). However this inspection was done prior to the collapse of the masonry wall would likely be revised to receive a worse rating once evaluated. In addition to the partial collapse of the masonry wall high priority (Priority 0) items include the correction and replacement of bridge signage. The bridge is currently weight restricted to 5 tons and has been closed to traffic since April of 2014 due to loss of fill and stones along one of the downstream spandrel walls.

Bridge #293

Bridge ID: 09700903570293

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	ACT13		5											
FD	ACT13		20											
CON	ACT13		250											
		0	275	0	0	0	0	0	0	0	0	0	0	
Total FY2013-2016		275		Total FY2017-2020				0		Total FY2021-2024				0

Total For Bucks	2013	2014	2015	2016	2013-2016	2017-2020	2021-2024
	\$65,515	\$152,010	\$145,002	\$133,676	\$496,203	\$192,646	\$16,481