

Pennsylvania - Highway Program

Delaware

MPMS# 14747 **US 322 Final Design SR:0322**

AQ Code 2020M **LIMITS** US 1 (Baltimore Pike) to I-95

IMPROVEMENT: Other

Major SOV Capacity

MUNICIPALITIES: Bethel Township; Concord Township; Upper Chichester Township

PROJECT MANAGER: TSS/PWB

LRPID:50

No Let Date

This project serves as the final design phase for corridor improvements to Route 322/Conchester Road. Options being considered would enable US 322 to meet future traffic needs and include widening the road to four lanes, the construction of jughandles, and the installation of median barriers. See MPMS #'s 69815, 69816, 69817 for construction phases.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
FD	581		6,600										
		0	6,600	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014				6,600		Total FY2015-2018							
						0				Total FY2019-2022			
										0			

MPMS# 14767 **US 30, Lancaster Avenue Closed Loop Signals SR:0030**

AQ Code 2013M **LIMITS** Old Eagle School Road/Sugartown Road to Lowry's La

IMPROVEMENT: Signal/ITS Improvements

Minor SOV Capacity

MUNICIPALITIES: Radnor Township

Adding Subcorr(s):

PROJECT MANAGER: CONSTR

Actl Let Date: 12/18/2008

2C, 7B, 7C

FUNDS ACCOUNT FOR ACCRUED UNBILLED COSTS

Implementation of a closed-loop traffic signal control system along Lancaster Avenue from Old Eagle School Road/Sugartown Road to Lowry's Lane, interconnecting 17 signalized intersections and other miscellaneous construction items.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	CMAQ	471											
		471	0	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014				471		Total FY2015-2018							
						0				Total FY2019-2022			
										0			

DVRPC FY 2011-2014 TIP for PA

Pennsylvania - Highway Program

Delaware

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

AQ Code S19 **LIMITS** Over Little Darby Creek and Wigwam Run

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding **MUNICIPALITIES:** Radnor Township

PROJECT MANAGER: AECOM/CC

Est Let Date: 10/2/2014

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

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
PE	185	150											
FD	185	732											
ROW	916					342							
UTL	185		157										
CON	BOO							6,881					
CON	185							1,720					
		882	157	0	0	342	0	8,601	0	0	0	0	0
Total FY2011-2014		1,039				Total FY2015-2018		8,943		Total FY2019-2022		0	

MPMS# 15008 *Folcroft Avenue Bridge Over Amtrak/SEPTA R2 Rail Line SR:7410*

AQ Code S19 **LIMITS** Over Amtrak/SEPTA R2 Rail Line

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding **MUNICIPALITIES:** Folcroft Borough; Sharon Hill Borough

PROJECT MANAGER: TSS/GANNETT

No Let Date

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
ROW	BOO			54									
ROW	183			11									
ROW	LOCAL			3									
UTL	BOO			874									
UTL	183			164									
UTL	LOCAL			54									
UTL	BOO				900								
UTL	183				169								
UTL	LOCAL				56								
CON	BOO						531						
CON	183						99						
CON	LOCAL						32						
CON	BOO							3,576					
CON	183							672					
CON	LOCAL							222					
		0	0	1,160	1,125	0	662	4,470	0	0	0	0	0
Total FY2011-2014		2,285				Total FY2015-2018		5,132		Total FY2019-2022		0	

DVRPC FY 2011-2014 TIP for PA

Pennsylvania - Highway Program

Delaware

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

AQ Code S19

LIMITS Over Chester Creek

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding

MUNICIPALITIES: Thornbury Township

PROJECT MANAGER: TSS/GANNETT

No Let Date

Station Road over Chester Creek in Thornbury Township - Single span bridge replacement

		TIP Program Years (\$ 000)											
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
PE	BOO*	544											
FD	BOO			315									
FD	183			59									
ROW	BOO			45									
ROW	183			9									
UTL	BOO			45									
UTL	183			9									
CON	BOO					1,910							
CON	183					358							
CON	LOCAL					119							
		544	0	482	0	2,387	0	0	0	0	0	0	0
		Total FY2011-2014			1,026	Total FY2015-2018			2,387	Total FY2019-2022			0

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

AQ Code S19

LIMITS Over Rocky Run

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding

MUNICIPALITIES: Middletown Township

Adding Subcorr(s): 5B

PROJECT MANAGER: TSS/GANNETT

Actl Let Date: 3/1/2012

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	BOO	275											
CON	179	52											
CON	183	155											
CON	BOO		825										
CON	179		52										
CON	183		52										
		482	929	0	0	0	0	0	0	0	0	0	0
		Total FY2011-2014			1,411	Total FY2015-2018			0	Total FY2019-2022			0

DVRPC FY 2011-2014 TIP for PA

Pennsylvania - Highway Program

Delaware

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

AQ Code S19 **LIMITS** Over SEPTA and Cobbs Creek

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding **MUNICIPALITIES:** Haverford Township

Adding Subcorr(s): **PROJECT MANAGER:** AECOM/CC

Est Let Date: 6/15/2015

Replace two bridges on Ardmore Avenue between Harvest Lane and Haverford Avenue. One bridge crosses Cobbs Creek and one crosses SEPTA's Rt 100 line. The 62'-long encased steel stringer bridge carries a 2 lane road and sidewalk over SEPTA's Norristown High Speed Line.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
PE	BOO	60												
FD	BOO	743												
ROW	BND			405										
UTL	BND			270										
CON	TOLL													
CON	BOO			3,787										
CON	TOLL													
CON	BOO				3,752									
		803	0	4,462	3,752	0	0	0	0	0	0	0	0	
		Total FY2011-2014			9,017	Total FY2015-2018				0	Total FY2019-2022			0

DVRPC FY 2011-2014 TIP for PA

Pennsylvania - Highway Program

Delaware

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

AQ Code R3

LIMITS At PA 352/Middletown Road

IMPROVEMENT: Intersection/Interchange Improvements

Minor SOV Capacity

MUNICIPALITIES: Middletown Township

Adding Subcorr(s):

PROJECT MANAGER: TSS/DMB

LRPID:05

Est Let Date: 3/15/2019

5B

Preliminary engineering is currently being undertaken for the reconstruction of this cloverleaf interchange, originally built in 1939.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
FD	STP						2,346						
FD	581						587						
ROW	STP						8,166						
ROW	581						2,042						
ROW	STP							8,166					
ROW	581							2,042					
UTL	STP					2,197							
UTL	581					549							
CON	STP								19,572				
CON	581								4,893				
CON	STP									10,000			
CON	581									2,500			
CON	STP										10,000		
CON	581										2,500		
CON	STP											10,000	
CON	581												2,500
CON	STP												
CON	581												
CON	STP												
CON	581												
		0	0	0	0	2,746	13,141	10,208	24,465	12,500	12,500	12,500	12,500
	Total FY2011-2014				0	Total FY2015-2018		50,560		Total FY2019-2022		50,000	

MPMS# 15281 **Chester Pike Bridge (US 13) SR:0013**

AQ Code A2

LIMITS over Stoney Creek

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity

MUNICIPALITIES: Ridley Township; Ridley Park Borough

Adding

Adding Subcorr(s):

PROJECT MANAGER: CONSTR

No Let Date

4D, 6A, 8A

Construct Pedestrian Walkway Bridge or Replace Bridge.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	BOO		35										
CON	185		9										
		0	44	0	0	0	0	0	0	0	0	0	0
	Total FY2011-2014				44	Total FY2015-2018		0		Total FY2019-2022		0	

Pennsylvania - Highway Program

Delaware

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

AQ Code S19 **LIMITS** Over SEPTA Route 100 Rail Line

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding

MUNICIPALITIES: Haverford Township; Upper Darby Township

Adding Subcorr(s): 5E

PROJECT MANAGER: Gannett/PTL

Act/ Let Date: 3/29/2012

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

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	BOO	3,080											
CON	185	770											
		3,850	0	0	0	0	0	0	0	0	0	0	0
		Total FY2011-2014			3,850	Total FY2015-2018			0	Total FY2019-2022			0

MPMS# 15299 **Concord Road Bridge Over SEPTA Chester Creek Branch Line SR:3004**

AQ Code S19 **LIMITS** Over SEPTA Chester Creek Branch Line

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding

MUNICIPALITIES: Chester City

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

PROJECT MANAGER: AECOM/KS

Est Let Date: 7/26/2012

The existing bridge has deteriorated significantly, is narrower than the width of the approach roadway and is functionally obsolete. Further, the bridge is posted with a nine ton weight limit so school buses and certain emergency vehicles cannot use the bridge. The existing structure will be replaced and will meet the minimum standards for a two-way city street.

The existing multi-span concrete bridge will be removed and replaced with either a new bridge of similar type and size, earth fill and a pedestrian box culvert to potentially accommodate a rail-trail or a prefabricated concrete arch. The new structure and roadway design will conform with current design and safety standards. Accommodations for existing utilities, such as an existing water line, must be made during design and construction. The road will be closed during construction and a vehicular detour will be required. Pedestrian access will be maintained both during and after construction.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
FD	185	160											
CON	BOO	4,456											
CON	TOLL												
CON	BOO		1,400										
		4,616	1,400	0	0	0	0	0	0	0	0	0	0
		Total FY2011-2014			6,016	Total FY2015-2018			0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 15306 *Sellers Avenue Bridge Over Amtrak and SEPTA R2 Rail Line SR:2031*

AQ Code S19

LIMITS Over Amtrak/SEPTA R2 Rail Line

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding

MUNICIPALITIES: Ridley Park Borough

PROJECT MANAGER: AECOM/KS

Est Let Date: 1/15/2015

The superstructure of the Sellers Avenue Bridge over Amtrak will be replaced while reusing the existing stone abutments. The roadway profile is expected to be raised between three and four feet. Replacement of the bridge will require the rerouting of catenary wires and the relocation of railroad signals. Vehicular traffic will be detoured around the site but pedestrian access will be maintained using staged construction. The new bridge design will accommodate the existing utilities at this location.

TIP Program Years (\$ 000)														
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
FD	185	410												
CON	BOO	458												
CON	185	115												
		983	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			983		Total FY2015-2018			0		Total FY2019-2022		0

MPMS# 15345 *PA 252, Providence Road Widening SR:0252*

AQ Code 2020M

LIMITS Palmer's Mill Road to Kirk Lane

IMPROVEMENT: Roadway New Capacity

Major SOV Capacity Adding Subcorr(s): 5C

MUNICIPALITIES: Upper Providence Township

PROJECT MANAGER: Gannett/SAN

Est Let Date: 7/15/2013

This project is full-depth pavement construction and widening from Palmers Mill Road to Kirk Lane in Upper Providence Township. The southern portion of the project will consist of widening and overlay. The existing typical section includes one 12' lane in the northbound direction and two 12' lanes in the southbound direction. The proposed typical section includes two 11' lanes in each direction with an 11' center turn lane and 3' offset to the curb. This project includes wide outside lanes for use by bicycles and also includes sidewalks, crosswalks, and hand/man signals for pedestrians. This project also includes overlaying the bridge over S.R. 0001 and the addition of protective fence on this structure. This project includes traffic signal upgrades at Kirk Lane / Route 1 NB Ramps and Rose Tree Road. This project includes the installation of new traffic signals at Route 1 SB Ramps and Palmers Mill / Providence Road.

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

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	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
ROW	STP	300												
CON	581			3,299										
		300	0	3,299	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			3,599		Total FY2015-2018			0		Total FY2019-2022		0

Pennsylvania - Highway Program

Delaware

MPMS# 15406 *PA 452, Market Street Bridge Over Amtrak/SEPTA R-2 Rail Line SR:0452*

AQ Code S19

LIMITS Over Amtrak/SEPTA R-2 Rail Line

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding

MUNICIPALITIES: Lower Chichester Township; Marcus Hook Borough

Adding Subcorr(s): 4D, 6A, 8A

PROJECT MANAGER: EE/LJL

Est Let Date: 4/24/2014

The existing two lane bridge (built in 1925) with shoulders and 8' sidewalks will be replaced in kind. This roadway segment is proposed for inclusion in the Delaware County Bicycle Plan.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
PE	HSIP		550										
FD	BOO		375										
FD	185		94										
CON	916		1,200										
CON	916			7,176									
CON	916				864								
		0	2,219	7,176	864	0	0	0	0	0	0	0	0
Total FY2011-2014		10,259			Total FY2015-2018				0	Total FY2019-2022			0

MPMS# 15438

Goshen Road SR:1034

AQ Code R4

LIMITS South of Darby-Paoli Rd.

IMPROVEMENT: Roadway Rehabilitation

Not SOV Capacity Adding

MUNICIPALITIES: Radnor Township

Adding Subcorr(s): 7B

PROJECT MANAGER: CONSTR

No Let Date

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

This road segment is proposed for inclusion in the Delaware County Bicycle Plan.
HSIP Safety Funding for this project has been drawn from MPMS #57927

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	HSIP		331										
		0	331	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014		331			Total FY2015-2018				0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

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

AQ Code S19 **LIMITS** Over Baldwin Run

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding **MUNICIPALITIES:** Aston Township; Chester Township

Adding Subcorr(s): 8A **PROJECT MANAGER:** TSS/SPF

Actl Let Date: 1/13/2011

This project consists of the replacement of the Bridge, roadway approach reconstruction is anticipated to be approx 1500 ft on both sides to accommodate a horizontal shift for staged construction.

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	916	1,393											
CON	916		1,453										
		1,393	1,453	0	0	0	0	0	0	0	0	0	0
		Total FY2011-2014		2,846		Total FY2015-2018			0	Total FY2019-2022			0

MPMS# 47147 **3rd Street Dam Over Broomall Lake**

AQ Code S2 **LIMITS** Over Broomall Lake to Ridley Creek

IMPROVEMENT: Other

Not SOV Capacity Adding **MUNICIPALITIES:** Media Borough

Adding Subcorr(s): 5C, 5D **PROJECT MANAGER:** TSS/GANNETT

Est Let Date: 1/8/2015

Rehabilitation of Broomall Lake dam carrying 3rd St., which is currently closed to traffic due to deterioration of the dam. The project also includes roadway reconstruction and stormwater management improvements. Project currently in litigation.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	183					846							
CON	LOCAL					212							
CON	183						300						
CON	LOCAL						75						
		0	0	0	0	1,058	375	0	0	0	0	0	0
		Total FY2011-2014		0		Total FY2015-2018			1,433	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 47409

Route 291, Governor Printz Boulevard Bridge Over Darby Creek (Essington Bridge) SR:0291

AQ Code S19

LIMITS Over Darby Creek

IMPROVEMENT: Bridge Repair/Replacement

MUNICIPALITIES: Ridley Township; Tinicum Township

PROJECT MANAGER: Gannett/PTL

Act/ Let Date: 7/14/2011

This project is a superstructure replacement of a 5-span bridge over Darby Creek. The proposed work includes minimal reconstruction of the bridge approaches and associated drainage and pavement markings. The project will be constructed under traffic, maintaining one lane in each direction during daylight hours. The proposed bridge will accommodate the East Coast Greenway and Bicycle PA Route E with a multi-use trail on the south side of the bridge separated from motor vehicle traffic by a barrier.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
CON	916	797												
CON	916D		2,740											
CON	916		1,823											
CON	916D			2,447										
CON	916			240										
		797	4,563	2,687	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			8,047	Total FY2015-2018				0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 47986

Chester Creek Bicycle/Pedestrian Trail

AQ Code A2

LIMITS Former Chester Creek Branch Rail Line

Not SOV Capacity Adding

IMPROVEMENT: Bicycle/Pedestrian Improvement

MUNICIPALITIES: Various

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

PROJECT MANAGER: EE/DVRPC/JB

Est Let Date: 11/29/2012

Phased construction of the Chester Creek Trail from the Wawa R3 train station to Upland Rd. in Chester Township. Phase I will extend from Lenni Road to Creek Road and include a paved ADA compliant trailway and associated facilities including a signage system, trailhead parking facilities, necessary bridges, etc. Phase II will extend south to the Caleb Pusey Plantation. Phase III will link with the extension of the R3 train station in Middletown Township and Chester Heights Borough to increase commuting possibilities along the corridor.

The Chester Creek Trail is intended for transportation purposes, including trips to work, school, shops, and services. The Chester Creek Trail will serve as bicycle and pedestrian access to SEPTA's proposed Wawa regional rail station, which will be the new terminus of the Elwyn regional rail line and will connect residential communities with major employment, school, retail, and service centers. The trail will also provide access for residents to various destinations in the corridor, such as Wawa's corporate headquarters and Wawa's dairy plant, the proposed town center project on the site of the Franklin Mint, various businesses in Lenni and Rockdale, Linvilla Orchards, Endless Pools, City of Chester employment sites, and the East Coast Greenway to provide an extensive trail network through the DVRPC region.

This project is included in the Delaware County Bicycle Plan.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
FD	CMAQ	246											
FD	TOLL												
FD	CMAQ		70										
FD	TOLL												
CON	CMAQ		5,978										
CON	TOLL												
		246	6,048	0	0	0	0	0	0	0	0	0	0
		Total FY2011-2014		6,294		Total FY2015-2018			0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 47992 **New Road Over West Branch of Chester Creek (Crozierville Bridge) SR:7023**

AQ Code S19

LIMITS Over West Branch of Chester Creek

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding

MUNICIPALITIES: Aston Township

PROJECT MANAGER: TSS/GANNETT

Est Let Date: 3/5/2015

Replacement of this County-owned concrete T-beam bridge built in 1931. The superstructure is in poor condition with cracks and significant spalls throughout. Exposed reinforcing steel is visible on the bottom of the deck. The beams are in overall serious condition with exposed reinforcing steel, large spalls, and heavy leaching. If the bridge is not repaired, the concrete will continue to crack and the bridge will continue to deteriorate. The project has been right-sized during the scoping phase of the project. This bridge has a stone façade and is not a structural stone arch bridge.

This project is subject to standard PENNDOT design procedures as defined in the Bicycle/Pedestrian Facilities checklist and less than 1/2 mile from to the Chester Creek Trail.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022			
CON	BOF					2,866										
CON	183					537										
CON	LOCAL					179										
		0	0	0	0	3,582	0	0	0	0	0	0	0			
		Total FY2011-2014				0	Total FY2015-2018				3,582	Total FY2019-2022				0

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

AQ Code S19

LIMITS Over Chester Creek

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding

MUNICIPALITIES: Chester City

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

PROJECT MANAGER: TSS/GANNETT

Est Let Date: 6/20/2013

Major rehabilitation/superstructure replacement of this County-owned bridge in downtown Chester. This bridge serves SEPTA bus route 119 and currently has a 12 ton weight limit.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022			
CON	BOO		2,670													
CON	TOLL															
CON	183		500													
CON	179		168													
		0	3,338	0	0	0	0	0	0	0	0	0	0			
		Total FY2011-2014				3,338	Total FY2015-2018				0	Total FY2019-2022				0

Pennsylvania - Highway Program

Delaware

MPMS# 47994 **US 13, Chester Pike/MacDade Boulevard SR:0013**

AQ Code 2013M **LIMITS** Morton Avenue to Wycombe Avenue

IMPROVEMENT: Signal/ITS Improvements

MUNICIPALITIES: Various

PROJECT MANAGER: CONSTR

No Let Date

The project consists of the upgrade and interconnection of 37 signalized intersections along a 5.9-mile multi-lane state route to enhance motor vehicle flow along the corridor. Intersection signalization equipment will be modernized as deemed necessary. Existing traffic signal controllers will be replaced within existing right-of-way.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
CON	CMAQ		670											
		0	670	0	0	0	0	0	0	0	0	0	0	
Total FY2011-2014		670			Total FY2015-2018				0	Total FY2019-2022				0

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

AQ Code 2020M **LIMITS** At PA 420/Woodland/Bishop Avenue/US 13/Church Lane

IMPROVEMENT: Signal/ITS Improvements

Minor SOV Capacity
Adding Subcorr(s):

MUNICIPALITIES: Various

PROJECT MANAGER: HNTB/GCG

Est Let Date: 4/15/2014

5E

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

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
FD	CMAQ		50											
ROW	HSIP		270											
UTL	HSIP		450											
CON	HSIP	2,126												
CON	HSIP			495										
		2,126	770	495	0	0	0	0	0	0	0	0	0	
Total FY2011-2014		3,391			Total FY2015-2018				0	Total FY2019-2022				0

Pennsylvania - Highway Program

Delaware

MPMS# 50520

Nether Providence Sidewalks and Trail (TE) SR:3003

AQ Code A2

LIMITS Turner Road/Rogers Lane/Possum Hollow Road

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity Adding

MUNICIPALITIES: Nether Providence Township

Adding Subcorr(s): 2C, 5C

PROJECT MANAGER: EE/DVRPC/LS

Act/ Let Date: 5/24/2012

This project involves the construction of 3700 LF of sidewalk along Turner Road, Rogers Lane, and Possum Hollow Road in the area of the Wallingford Train Station in Nether Providence Township. These sidewalks will connect the Leiper-Smedley Trail with existing walkways and SEPTA's Wallingford train station. The improvements will include installation of new sidewalks along the west side of Turner Road, the south side of Rogers Road, and the north side of Possum Hollow Road. Additionally, curbs, curb bump outs to accommodate parking, pedestrian crosswalk striping, roadway widening, modification of existing culverts, and the potential expansion of the existing train station platform are also proposed.

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

\$344,000 TE funds were approved during the FY 1999 project selection process, to be programmed at the appropriate time, drawing funds from MPMS #64984.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
CON	STE		408											
CON	LOCAL		223											
		0	631	0	0	0	0	0	0	0	0	0	0	
Total FY2011-2014		631			Total FY2015-2018				0	Total FY2019-2022				0

MPMS# 57750

Baltimore Pike Closed Loop Signals SR:2016

AQ Code 2013M

LIMITS Baltimore Avenue, Orange Street to Grandview Avenue

IMPROVEMENT: Signal/ITS Improvements

Minor SOV Capacity

MUNICIPALITIES: Media Borough; Nether Providence Township

Adding Subcorr(s): 2C, 5C, 5D

PROJECT MANAGER: CONSTR

Act/ Let Date: 8/19/2010

The proposed project consists of signalization improvements to the Baltimore Pike Closed Loop traffic signal system to ease congestion and improve safety conditions: Upgrade and interconnect 13 traffic signals on Baltimore Pike, Providence Road, and Orange St. in Media Borough and Nether Providence Township. Baltimore Avenue, a two-lane road in Media Borough, currently carries about 16,000 vehicles per day. The four-lane segment in Nether Providence Township carries about 24,000 vehicles per day. This project will improve traffic flow on the Baltimore Pike corridor through Nether Providence Township and Media Borough. This project is intended to complement downtown Media Borough revitalization efforts by improving access. It will also improve air quality by reducing stop-and-go traffic. All work will take place within existing PENNDOT owned right-of-way and previously disturbed areas.

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

TOLL CREDIT

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
UTL	CMAQ	861												
CON	CMAQ		1,591											
		861	1,591	0	0	0	0	0	0	0	0	0	0	
Total FY2011-2014		2,452			Total FY2015-2018				0	Total FY2019-2022				0

Pennsylvania - Highway Program

Delaware

MPMS# 57757 *Morton Avenue Intersection Improvements SR:2025*

AQ Code R1 **LIMITS** At Swarthmore Avenue and 9th Street

IMPROVEMENT: Intersection/Interchange Improvements

Minor SOV Capacity **MUNICIPALITIES:** Ridley Township; Rutledge Borough

Adding Subcorr(s): **PROJECT MANAGER:** Gannett/BPM

5C

Est Let Date: 3/13/2014

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	CMAQ			1,643									
CON	LOCAL			411									
		0	0	2,054	0	0	0	0	0	0	0	0	0
Total FY2011-2014				2,054		Total FY2015-2018		0		Total FY2019-2022		0	

MPMS# 57770 *Grant Avenue Bridge Over Muckinipates Creek SR:7023*

AQ Code S19 **LIMITS** Over Muckinipates Creek

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity **MUNICIPALITIES:** Folcroft Borough; Glenolden Borough

Adding

PROJECT MANAGER: TSS/GANNETT

Actl Let Date: 1/12/2012

The existing County-owned bridge, constructed in 1928 and posted at twelve tons, shall be completely reconstructed to improve the structural capacity of this relatively high use bridge. The new bridge will have two-lane geometry with a sidewalk similar to the existing construction. The PennDOT sufficiency rating for this bridge is 34.9. The concrete substructure is spalled with exposed and deteriorating reinforcing steel.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	BOO	800											
CON	179	50											
CON	185	150											
CON	BOO		1,758										
CON	179		111										
CON	185		329										
CON	BOO			102									
CON	185			19									
CON	179			6									
		1,000	2,198	127	0	0	0	0	0	0	0	0	0
Total FY2011-2014				3,325		Total FY2015-2018		0		Total FY2019-2022		0	

Pennsylvania - Highway Program

Delaware

MPMS# 57772

Convent Road Bridge Over Chester Creek (CB# 6) SR:7023

AQ Code S19

LIMITS Over Chester Creek

Not SOV Capacity
Adding

IMPROVEMENT: Bridge Repair/Replacement

MUNICIPALITIES: Aston Township

PROJECT MANAGER: TSS/GANNETT

Est Let Date: 2/5/2016

The County of Delaware is proposing the complete replacement of the Convent Road Bridge. The existing structure is a two-span concrete structure built in 1927 that carries Convent Road over the confluence of Chester Creek and its west branch. Severe deterioration extends through the deck superstructure and substructure, resulting in a 20-ton weight restriction.

The bridge is currently 20 feet wide with a 6 foot wide concrete sidewalk provided on the upstream side of the structure. The bridge is located on a significant horizontal curve at both approaches. Heavy industrial development is present on the northern approach; residential development exists on the southern approach. The two-lane approach roadways are unlined and no safety features are provided.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
ROW	BOO	8											
ROW	183	2											
ROW	LOCAL	1											
ROW	BOO		70										
ROW	183		12										
ROW	LOCAL		4										
CON	BOO					2,925							
CON	183					548							
CON	LOCAL					183							
		11	86	0	0	3,656	0	0	0	0	0	0	0
		Total FY2011-2014			97	Total FY2015-2018			3,656	Total FY2019-2022			0

DVRPC FY 2011-2014 TIP for PA

Pennsylvania - Highway Program

Delaware

MPMS# 57773

Lloyd Street Bridge Over Amtrak/SEPTA R2 Rail Line (CB) SR:7301

AQ Code S19

LIMITS Over Amtrak/SEPTA R2 Rail Line at 5th Street and 6

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding

MUNICIPALITIES: Chester City

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

PROJECT MANAGER: TSS/GANNETT

Est Let Date: 5/2/2019

The Lloyd Street bridge was constructed by the railroad in 1899. It must be replaced due to structural defects. It is currently posted for five tons, which is inadequate since it serves the industrial waterfront. The pedestrian walkways have been closed due to holes in the decking.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
FD	BOO			946									
FD	183			177									
FD	LOCAL			59									
ROW	BOO						1,141						
ROW	183						214						
ROW	LOCAL						71						
UTL	BOO					1,996							
UTL	183					375							
UTL	LOCAL					124							
CON	BOO									4,494			
CON	183									843			
CON	LOCAL									281			
		0	0	1,182	0	2,495	1,426	0	0	5,618	0	0	0
		Total FY2011-2014			1,182	Total FY2015-2018			3,921	Total FY2019-2022			5,618

MPMS# 61695

Oakland Road Corridor Easement (TE)

AQ Code X8

LIMITS Brandywine Battlefield National Historic Landmark

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity Adding

MUNICIPALITIES: Chadds Ford Township

Adding Subcorr(s): 5B, 8A

PROJECT MANAGER: TSS/TWB

No Let Date

Acquisition of historic and scenic easements along 1.3 miles of Oakland Road. Alternatives to easements are being explored.

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

In the spring of 2000 this project was recommended for funding through the Transportation Enhancement Program. \$500,000 TE for ROW/CON will be drawn from MPMS #64984 at the appropriate time. Local contribution \$125,000.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	STE	0	0	0	0	0	0	0	0	0	0	0	0
		Total FY2011-2014			0	Total FY2015-2018			0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 62299

Bicyclists' Baltimore Pike SR:2010

AQ Code X11

LIMITS Rose Valley/Avondale Road intersection to Longacre

IMPROVEMENT: Bicycle/Pedestrian Improvement

MUNICIPALITIES: Various

PROJECT MANAGER: CONSTR

Act/ Let Date: 12/3/2009

An east-west route roughly parallel to Baltimore Pike comprised of the following roads: Yale Avenue (SR3019 and local), Sylvan Ave. (local), Morton Ave. (SR 2025), Mitchell Ave. (local), Franklin Ave. (local), South Ave/Providence Rd. (SR 2010), Lansdowne Ave (SR 2005), Bailey Road (local), Fern St. (local), Rose St. (local), and Longacre Blvd. (local.) (Original intended LET FY06)

This project is intended to aid bicyclists in navigating an alternative route to the heavily traveled Baltimore Pike, and to improve the service quality for bicycling along this alternative route. Actions include bike route designation (including navigational signs), shoulder delineation with edgelines, widening and reconstruction; warning signage; replacement of drainage grates; and replacement of open swales contiguous to roadway shoulders with subsurface drainage systems.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022		
PE	CAQ	125													
CON	CMAQ*	295													
		420	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2011-2014			420	Total FY2015-2018				0	Total FY2019-2022				0

Pennsylvania - Highway Program

Delaware

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

AQ Code 2020M **LIMITS** Ashland Avenue to Cherry Street

IMPROVEMENT: Signal/ITS Improvements

Minor SOV Capacity **MUNICIPALITIES:** Collingdale Borough; Glenolden Borough

PROJECT MANAGER: TSS/DMB

Est Let Date: 7/15/2015

The project limits are along MacDade Boulevard from Ashland Avenue to Cherry Street. The following eleven intersections are currently signalized and the equipment will be replaced.

1. MacDade Boulevard & Ashland Avenue,
2. MacDade Boulevard & Cooke Avenue,
3. MacDade Boulevard & Oak Lane (S.R. 2015),
4. MacDade Boulevard & Lafayette Avenue,
5. MacDade Boulevard & Woodlawn Avenue,
6. MacDade Boulevard & Clifton Avenue (S.R. 2013),
7. MacDade Boulevard & Sharon Avenue,
8. MacDade Boulevard & Felton Avenue,
9. MacDade Boulevard & Jackson Avenue,
10. MacDade Boulevard & Roberta Avenue, and
11. MacDade Boulevard & Cherry Street.

The system will be designed and specified to be traffic responsive capable. During the design phase, the consultant and the Department will determine if the system should initially be implemented with time of day programs or traffic responsive operation. The system will be a true closed loop system where the system will be monitored from either a direct connect or remote central monitoring station. The location of the central monitor and method of connection (s) to the system will be determined during design as part of the System Report and Operation and Maintenance Plan. Each municipality and PennDOT's District 6-0 Office will have access to the system. The access will either be remote (via phone line or internet) or direct connect (via fiber optic cable or wireless communications).

Countdown hand/man pedestrian signal heads and pedestrian push buttons with latching confirmation light and audible confirmation will be proposed. The pedestrian interval timings will be calculated for each signalized intersection during design. Pedestrian accommodations are provided at the signalized intersections. Some of the intersections use standard red-yellow-green signals for pedestrians that will be replaced with universal hand/man pedestrian signal heads.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
FD	CMAQ		350										
UTL	CMAQ		437										
CON	CAQ				2,052								
		0	787	0	2,052	0	0	0	0	0	0	0	0
		Total FY2011-2014		2,839		Total FY2015-2018			0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 64791

PA 420, Kedron Avenue SR:0420

AQ Code R1

LIMITS At Franklin Avenue

IMPROVEMENT: Intersection/Interchange Improvements

Minor SOV Capacity

MUNICIPALITIES: Ridley Township

Adding Subcorr(s):

PROJECT MANAGER: P/CNV

5C

No Let Date

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

Design and ROW are being advanced by the township.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
FD	LOCAL	11												
ROW	LOCAL	106												
CON	CAQ			619										
		117	0	619	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			736	Total FY2015-2018				0	Total FY2019-2022			0

MPMS# 65127

Chester Waterfront Development Streetscape Improvements

AQ Code X9

LIMITS Highland Avenue, 2nd Street to 5th Street

IMPROVEMENT: Streetscape

Not SOV Capacity

MUNICIPALITIES: Chester City

Adding

PROJECT MANAGER: EE/DVRPC/LS

Adding Subcorr(s):

4D, 6A

Actl Let Date: 12/16/2010

The City of Chester has obtained a 2002 Transportation and Community System Preservation Program (TCSP) earmark award of \$495,654 for streetscape improvements and enhancements in support of a Brownfield redevelopment project (The Wharf at Rivertown) along the Delaware River waterfront between Highland Avenue and Flower Street. Streetscape improvements are proposed for Highland Avenue from 2nd Street to just west of 5th Street. The project will include replacement of existing sidewalks, new street trees, restriping of the existing roadway as well as striping of pedestrian crosswalks at several intersections.

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

Federal project #E2PA02
 TCSP - \$495,654
 SAFETEA DEMO - PA ID #269 - \$350,000

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
CON	SXF	350												
CON	TOLL													
		350	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			350	Total FY2015-2018				0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 65911

Marcus Hook Streetscape (TE) SR:0013

AQ Code X12

LIMITS US 13, Delaware State Line to Trainer Borough

IMPROVEMENT: Streetscape

Not SOV Capacity Adding

MUNICIPALITIES: Marcus Hook Borough

Adding Subcorr(s): 6A

PROJECT MANAGER: EE/DVRPC/JB

No Let Date

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

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

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

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022												
CON	STE	0	0	0	0	0	0	0	0	0	0	0	0												
		Total FY2011-2014				0				Total FY2015-2018				0				Total FY2019-2022				0			

MPMS# 65914

Sharon Hill Train Station Rehabilitation (TE)

AQ Code M8

LIMITS At SEPTA R2 Sharon Hill Station

IMPROVEMENT: Streetscape

Not SOV Capacity Adding

MUNICIPALITIES: Sharon Hill Borough

PROJECT MANAGER: EE/DVRPC/JB

No Let Date

Repair and replacement of serpentine stone on the exterior of the building, installation of a new floor, replacement of panels, trim and glass, the painting and finishing of walls, ceilings and trim. The adjacent roadway is included in the Delaware County Bicycle Plan. In the spring of 2002 this project was recommended for funding through the Transportation Enhancements (TE) Program. \$342,000 will be drawn from MPMS #64984 at the appropriate time.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022												
CON	STE	0	0	0	0	0	0	0	0	0	0	0	0												
		Total FY2011-2014				0				Total FY2015-2018				0				Total FY2019-2022				0			

Pennsylvania - Highway Program

Delaware

MPMS# 68027 **Route 1, Upper Darby Township Closed Loop Signals SR:0001**

AQ Code 2013M **LIMITS** Harding Drive to Dermond Road
IMPROVEMENT: Signal/ITS Improvements

Minor SOV Capacity **MUNICIPALITIES:** Haverford Township; Upper Darby Township

Adding Subcorr(s): **PROJECT MANAGER:** CONSTR

Actl Let Date: 12/10/2009

The installation of a closed loop signal system for six (6) intersections. Proposed construction includes removal of obsolete controllers, installation of new controllers, LED signal heads, pedestrian signal heads, vehicle detection, poles and mast arms, pavement markings, signage and other miscellaneous construction.

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

		TIP Program Years (\$ 000)														
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022			
UTL	CMAQ*	520														
UTL	STU	174														
UTL	CMAQ		226													
CON	CMAQ		160													
		694	386	0	0	0	0	0	0	0	0	0	0			
		Total FY2011-2014			1,080			Total FY2015-2018			0			Total FY2019-2022		0

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

AQ Code S19 **LIMITS** Over Brandywine Creek
IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity **MUNICIPALITIES:** Chadds Ford Township; Pennsbury Township

Adding **PROJECT MANAGER:** TSS/SPF

Est Let Date: 10/2/2015

SR 3101, Section DRB, South Creek Road over Brandywine Creek in Chadds Ford Township, Delaware County. The project is the replacement of an existing structurally deficient and functionally obsolete C.I.P. Reinforced Concrete Arch Deck Closed Spandrel bridge. Also included are bridge approach roadway reconstruction and minor utility relocations.

This road segment is included in the Delaware County Bicycle Plan, and is Bicycle PA Route L.
TOLL CREDIT

		TIP Program Years (\$ 000)														
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022			
PE	BOO		80													
FD	BOO		546													
ROW	BOO			169												
UTL	BND			168												
CON	BOO							15,657								
		0	626	337	0	0	0	0	15,657	0	0	0	0			
		Total FY2011-2014			963			Total FY2015-2018			15,657			Total FY2019-2022		0

DVRPC FY 2011-2014 TIP for PA

Pennsylvania - Highway Program

Delaware

MPMS# 69815 **US 322, Environmental Mitigation (MIT) SR:0322**

AQ Code S2

LIMITS US 1 to West of CSX Railroad bridge

IMPROVEMENT: Other

Not SOV Capacity Adding

MUNICIPALITIES: Bethel Township; Concord Township; Upper Chichester Township

Adding Subcorr(s): 5B, 8A

PROJECT MANAGER: TSS/PWB

LRPID:50

Est Let Date: 9/25/2014

The project involves mitigation measures for widening and improving SR 322 to a four lane typical section with a median barrier from US Route 1 in Concord Township, through Bethel Township, to just west of the CSX Bridge in Upper Chichester Township. The project includes development of a wetland mitigation site on the former Patterson tract in Thornbury Township, Delaware County and relocation of the Department's maintenance facility at SR 322 and SR 261 to the eastern end of the project at SR 322 near the CSX bridge. The relocation of the maintenance facility will involve development of the new site with buildings, storage and parking.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
ROW	STU	1,020											
ROW	581	255											
UTL	STU	371											
UTL	581	92											
CON	STU				4,514								
CON	581				1,127								
CON	STU					9,538							
CON	581					2,385							
		1,738	0	0	5,641	11,923	0	0	0	0	0	0	0
		Total FY2011-2014			7,379	Total FY2015-2018			11,923	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

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

AQ Code 2020M

LIMITS US 1 to Featherbed Lane

IMPROVEMENT: Roadway New Capacity

Major SOV Capacity

MUNICIPALITIES: Concord Township

Adding Subcorr(s):

PROJECT MANAGER: TSS/PWB

LRPID:50

Est Let Date: 1/5/2017

8A

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

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

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

See MPMS #14747 for design funding.

This project includes ROW and UTL work for MPMS# 69815.

MPMS #'s 69815, 69816, 69817, and 69818 contain construction phases for the US 322 project.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
ROW	NHS	4,634											
ROW	581	1,159											
ROW	NHS					4,634							
ROW	581					1,159							
CON	NHS						17,359						
CON	581						4,339						
CON	NHS							17,359					
CON	581							4,339					
CON	NHS								6,944				
CON	581								1,736				
		5,793	0	0	0	5,793	21,698	21,698	8,680	0	0	0	0
		Total FY2011-2014			5,793	Total FY2015-2018			57,869	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 69817

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

AQ Code 2030M

LIMITS East Mattson Road/Featherbed Lane to West of CSX b

IMPROVEMENT: Roadway New Capacity

Major SOV Capacity
Adding Subcorr(s):
8A

MUNICIPALITIES: Bethel Township; Concord Township; Upper Chichester Township

PROJECT MANAGER: TSS/PWB

LRPID:50

Est Let Date: 1/10/2019

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

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

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

See MPMS #14747 for design funding. MPMS #'s 69815, 69816, 69817, and 69818 contain construction phases for the US 322 project.

TEA-21 DEMO 0486 - PA ID #116 - \$13,220,615

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
ROW	STP	682											
ROW	TOLL			7,635									
ROW	NHS					6,756							
ROW	581					2,466							
UTL	SXF		2,492										
UTL	581		571										
CON	NHS							27,791					
CON	581							6,948					
CON	NHS								13,895				
CON	581								3,474				
CON	NHS									41,686			
CON	581									10,421			
		682	3,063	7,635	0	9,222	0	34,739	17,369	52,107	0	0	0
		Total FY2011-2014			11,380	Total FY2015-2018			61,330	Total FY2019-2022			52,107

Pennsylvania - Highway Program

Delaware

MPMS# 70219

PA 291, East Coast Greenway

AQ Code A2

LIMITS Darby Creek to Wanamaker Avenue

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity Adding

MUNICIPALITIES: Tinicum Township

Adding Subcorr(s): 4C

PROJECT MANAGER: EE/DVRPC/LS

Est Let Date: 8/28/2014

Construction of the East Coast Greenway in Tinicum Township, including approximately 3500 feet of multi-use hard surface trail on the south side of Route 291 from Darby Creek to 2nd street, amenities and signing. Once fully connected to adjacent segments of the East Coast Greenway, this trail is intended principally for transportation purposes, including trips to work, school, shops and services. Also included in the project is construction of the Tinicum-Fort Mifflin trail, which is approximately 3200 feet of multi-use hard surface trail along the southerly side of Wannamaker Avenue (SR 2002), which will connect the main trail proposed through Tinicum Township to the Fort Mifflin National Park site. Additional funding is included in project MPMS# 71200. This project is proposed for inclusion in the Delaware County Bicycle Plan.
TOLL CREDIT

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	CMAQ			952									
		0	0	952	0	0	0	0	0	0	0	0	0
Total FY2011-2014				952		Total FY2015-2018		0		Total FY2019-2022		0	

MPMS# 70228

I-476, MacDade Boulevard Ramp Improvements SR:2006

AQ Code R3

LIMITS I-476 to Fairview Road

IMPROVEMENT: Intersection/Interchange Improvements

Minor SOV Capacity

MUNICIPALITIES: Ridley Township

Adding Subcorr(s): 2D, 6A

PROJECT MANAGER: AECOM/MMP

Est Let Date: 12/15/2015

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

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
FD	STP	431											
FD	581	108											
FD	STP		350										
FD	581		87										
CON	STP					3,821							
CON	581					955							
		539	437	0	0	4,776	0	0	0	0	0	0	0
Total FY2011-2014				976		Total FY2015-2018		4,776		Total FY2019-2022		0	

Pennsylvania - Highway Program

Delaware

MPMS# 70245

Chester City Access Improvements II SR:2028

AQ Code R1

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

Not SOV Capacity Adding

IMPROVEMENT: Intersection/Interchange Improvements

MUNICIPALITIES: Chester City

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

PROJECT MANAGER: HNTB/GCG

Est Let Date: 2/27/2014

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

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
PE	STP	213											
PE	581	53											
PE	STP		14										
PE	581		3										
FD	STP	594											
FD	581	149											
ROW	STP						257						
ROW	581						64						
UTL	STP						152						
UTL	581						38						
CON	STP					3,014							
CON	581					753							
CON	STP						3,014						
CON	581						753						
		1,009	17	0	0	3,767	4,278	0	0	0	0	0	0
		Total FY2011-2014		1,026		Total FY2015-2018		8,045		Total FY2019-2022		0	

Pennsylvania - Highway Program

Delaware

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

AQ Code A2 **LIMITS** 2nd Street, Poolsen Avenue to 4th Avenue

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity Adding **MUNICIPALITIES:** Tinicum Township

Adding Subcorr(s): 4C, 6B **PROJECT MANAGER:** EE/DVRPC/LS

No Let Date

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

This project is included in the Delaware County Bicycle Plan.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	STE												
		0	0	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014		0		Total FY2015-2018		0		Total FY2019-2022		0			

MPMS# 71202 *East Coast Greenway/Chester Riverfront Improvements, Phase II (TE) SR:0291*

AQ Code X12 **LIMITS** Flower Street and Highland Avenue, PA 291 to River

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity Adding **MUNICIPALITIES:** Chester City

PROJECT MANAGER: W/DVRPC/RG

No Let Date

Connect portion of East Coast Greenway/Riverwalk with Rt. 291 along Flower Street and Highland Avenue. See companion projects MPMS #'s 65912 and 65923.

\$517,500 TE funds were approved during the FY2004 project selection process, to be programmed at the appropriate time, drawing funds from MPMS #64984.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	STE												
		0	0	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014		0		Total FY2015-2018		0		Total FY2019-2022		0			

Pennsylvania - Highway Program

Delaware

MPMS# 72913

Chester Commercial Business District (HTSSRS)

AQ Code A2

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

IMPROVEMENT: Streetscape

Not SOV Capacity Adding

MUNICIPALITIES: Chester City

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

PROJECT MANAGER: EE/DVRPC/LS

No Let Date

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

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022												
CON	STE	0	0	0	0	0	0	0	0	0	0	0	0												
		Total FY2011-2014				0				Total FY2015-2018				0				Total FY2019-2022				0			

MPMS# 75610

Post Road Grade Crossing

AQ Code X

LIMITS

IMPROVEMENT: Other

MUNICIPALITIES:

PROJECT MANAGER:

No Let Date

FUNDS ACCOUNT FOR ACCRUED UNBILLED COSTS.

Railroad grade crossing.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022												
CON	STP	562																							
		Total FY2011-2014				562				Total FY2015-2018				0				Total FY2019-2022				0			

Pennsylvania - Highway Program

Delaware

MPMS# 75800 *College Avenue Bridge Over SEPTA Norristown High Speed Line*

AQ Code S19 **LIMITS** Over SEPTA Norristown High Speed Line

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding **MUNICIPALITIES:** Haverford Township

Adding Subcorr(s): **PROJECT MANAGER:** HNTB/NV

Est Let Date: 2/15/2016

This project entails the replacement of a College Avenue (SR 1026) bridge over SEPTA. The current bridge is on a substandard vertical curve in order to provide clearance for SEPTA. This replacement will need to be completed by 2012 to accommodate a PGA Tour stop within the project limits.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
PE	STU*	352												
FD	916	1,061												
UTL	916	1,061												
CON	BND		2,652											
CON	BND			2,652										
		2,474	2,652	2,652	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			7,778	Total FY2015-2018				0	Total FY2019-2022			0

MPMS# 77085 *Ruth Bennett House*

AQ Code NRS **LIMITS** At 2nd Street and Reaney Street

IMPROVEMENT: Other

Not SOV Capacity Adding **MUNICIPALITIES:** Chester City

Adding Subcorr(s): **PROJECT MANAGER:** TSS/PWB

Est Let Date: 3/16/2015

This project is for the rehab of the Ruth Bennett House in the City of Chester, as it is impacted by MPMS# 57780.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
CON	STP	142												
CON	581	858												
		1,000	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			1,000	Total FY2015-2018				0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 77450 **Lansdowne Gateway Park & Pedestrian/Bike Trail (TE)**

AQ Code A2 **LIMITS** Darby Creek, Gateway Park to Hoffman Park

IMPROVEMENT: Bicycle/Pedestrian Improvement

MUNICIPALITIES: Lansdowne Borough

Not SOV Capacity Adding
Adding Subcorr(s): 5E

PROJECT MANAGER: EE/DVRPC/RG

Est Let Date: 8/9/2012

This project involves the creation of a gateway park on approximately 2 acres of vacant land located at the western entrance to the Borough. A pedestrian & bike path will be constructed to connect the gateway park to Hoffman Park (the borough's major recreational park located along the Darby Creek). The path will provide pedestrian access to the inbound side of SEPTA's Gladstone Station.

In the spring of 2006 this project was recommended for funding through the HTSSRS/TE Program. \$368,000 will be drawn from MPMS #64984 at the appropriate time.

This project is included in the Delaware County Bicycle Plan.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	STE	332											
CON	STE		36										
CON	STE			50									
		332	36	50	0	0	0	0	0	0	0	0	0
		Total FY2011-2014			418	Total FY2015-2018			0	Total FY2019-2022			0

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

AQ Code X12 **LIMITS** Lincoln Avenue, Maryland Avenue to Chester Pike

IMPROVEMENT: Streetscape

MUNICIPALITIES: Prospect Park Borough

Not SOV Capacity Adding

PROJECT MANAGER: EE/DVRPC/JB

No Let Date

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

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

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	STE	0	0	0	0	0	0	0	0	0	0	0	0
		Total FY2011-2014			0	Total FY2015-2018			0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 77472 **Knowles Avenue Sidewalk and Underpass (TE)**

AQ Code A2 **LIMITS** Macdade Boulevard to Llanwellyn Avenue

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity
Adding **MUNICIPALITIES:** Glenolden Borough

PROJECT MANAGER: AECOM/KS

Act/ Let Date: 7/21/2011

Install 1200 linear feet of 4' wide sidewalk and curb on main access to Glenolden School along Knowles Avenue. Construct a pedestrian underpass at the CSX railroad tracks. Stabilize and install a retaining wall along eastern side of Knowles Ave. to stop the erosion and protect the new sidewalks.

In the spring of 2006 this project was recommended for funding through the HTSSRS/TE Program. \$1,000,000 will be drawn from MPMS #64984 at the appropriate time.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
CON	STE	250												
CON	TOLL													
CON	STE		250											
CON	TOLL													
CON	STE			500										
CON	TOLL													
		250	250	500	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			1,000	Total FY2015-2018				0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

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

AQ Code S19 **LIMITS** Over Darby Creek

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity
Adding

MUNICIPALITIES: Springfield Township; Upper Darby Township

PROJECT MANAGER: TSS/GANNETT

Est Let Date: 7/15/2015

This project includes the complete replacement of Delaware County Bridge #73, a 72' single span, narrow, severely deteriorated, 12 ton concrete encased steel bridge construction in 1921. The project will include minor improvements to be the approach roadway and safety features associated with the bridge. The bridge is located at a T-intersection. The replacement structure will be single span bridge designed to meet current PennDOT standards.

The benefit to the bridge replacement project is that it will ensure the preservation of this stream crossing for the estimated 3,798 vehicles per day (as recorded in 2003) which currently use the bridge. The project will also greatly improve the load carrying capacity of the structure, improve the roadway and bridge geometry, and provide current safety features.

The existing bridge will be removed and replaced. The bicycle and pedestrian checklists will be incorporated into the project.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
FD	BOO		306											
FD	183		57											
FD	179		20											
ROW	BOO			93										
ROW	183			18										
UTL	BOO			37										
UTL	183			7										
CON	BOO					2,460								
CON	183					461								
CON	LOCAL					154								
		0	383	155	0	0	3,075	0	0	0	0	0	0	
		Total FY2011-2014			538	Total FY2015-2018			3,075	Total FY2019-2022				0

Pennsylvania - Highway Program

Delaware

MPMS# 85971

AQ Code A2

Not SOV Capacity
Adding

Delaware ADA Ramps - Phase II

LIMITS Delaware County

IMPROVEMENT: Bicycle/Pedestrian Improvement

MUNICIPALITIES: Various

PROJECT MANAGER:

No Let Date

The purpose of this project is to reconstruct existing curb cut ramps to the latest ADA design criteria at various locations. Ramps will be installed in the following locations:

SR 3001 - Kerlin Street, Upland Avenue
From Ninth Street (SR 13) to Main Street (SR 3003)

SR 3005 - Flower Street, Edwards Street
From 2nd Street (SR 291) to Concord Street

SR 3033 - Engle Street
From 9th Street (SR 13) to Tolston Street/13th Street

SR 3035 - Highland Avenue
Intersection of 15th Street

SR 3006 - Ridge Road, 9th Street
From Market Street (SR 452) to Highland Avenue (SR 13)

SR 3011 - Blue Ball Avenue
Intersection of Ridge Road (SR 3006)

SR 3003 - Upland Road, Main Street
From Edgmont Avenue (SR 352) to 6th Street

SR 3004 - Concord Avenue
From Central Avenue to Kerlin Street (SR 3001)/9th Street (SR 13)

SR 2028 - Morton Avenue
From 2nd Street (SR 291) to 9th Street (SR 13)

SR 352 - Edgmont Avenue
From 9th Street (SR 13) to Cambridge Road/Coeburn Road

SR 2030 - Upland Avenue
From Edgmont Avenue (SR 352) to Providence Road (SR 320)

SR 3002 - Upland Avenue
From Edgmont Avenue (SR 352) to 22nd Street (SR 2006)

SR 291 - Price Street, 2nd Street, Industrial Highway, Governor Printz Boulevard
From Post Road (SR 13) to Fifth Avenue

SR 291 SB - Governor Printz Boulevard
From Jansen Avenue to Fifth Street

SR 2002 - Wanamaker Avenue, 2nd Street
From Governor Printz Boulevard (SR 291) to Putcon Avenue

SR 2029 - Fourth Avenue
From Iroquois Street to Governor Printz Boulevard (SR 291)

SR 320 - Madison Street, Providence Avenue, Chester Road, Sproul Road, Spring Mill Road
From 2nd Street (SR 291) to County Line Road

SR 2006 - Upland Avenue, 22nd Street, MacDade Boulevard
From Kerlin Street (SR 3001) to Chester Pike (SR 13)

DVRPC FY 2011-2014 TIP for PA

Pennsylvania - Highway Program

Delaware

SR 2035 - Fairview Road
From Chester Pike (SR 13) to Chester Road (SR 320)

SR 2005 - Main Street, Lansdowne Avenue, Darby Road
From Cobbs Creek to Ardmore Avenue (SR 1018)

SR 1011 - East Darby Road
From Darby Road (SR 2005) to Eagle Road (SR 1005)

SR 2009 - Springfield Road
From MacDade Boulevard (SR 13) to Baltimore Avenue (SR 2016)

SR 2009 - Springfield Road
From Oak Avenue (SR 2015) to Sproul Road (SR 320)

SR 2006 - Baltimore Avenue
From Oak Avenue (SR 2015) to Church Lane (SR 13)

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	STU		1,771										
		0	1,771	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014		1,771				Total FY2015-2018		0		Total FY2019-2022		0	

MPMS# 86368

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

AQ Code S19

LIMITS Over Chester Creek

Not SOV Capacity Adding

IMPROVEMENT: Bridge Repair/Replacement

MUNICIPALITIES: Aston Township; Middletown Township

PROJECT MANAGER: TSS/GANNETT

Est Let Date: 1/7/2016

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
FD	BOO			314									
FD	183			78									
ROW	BOO				185								
ROW	183				35								
ROW	LOCAL				12								
UTL	BOO			109									
UTL	183			20									
CON	BOO					2,952							
CON	183					369							
CON	LOCAL					184							
		0	0	521	232	0	3,505	0	0	0	0	0	0
Total FY2011-2014				753		Total FY2015-2018		3,505		Total FY2019-2022		0	

Pennsylvania - Highway Program

Delaware

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

AQ Code S19 **LIMITS** Over Hermesprot Creek

IMPROVEMENT: Bridge Repair/Replacement

Not SOV Capacity Adding **MUNICIPALITIES:** Darby Township; Folcroft Borough

PROJECT MANAGER: TSS/GANNETT

No Let Date

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

TIP Program Years (\$ 000)													
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
FD	BOO			180									
FD	183			34									
ROW	BOO				185								
ROW	183				35								
UTL	BOO				185								
UTL	183				35								
CON	BOO					3,105							
CON	183					358							
CON	LOCAL					179							
		0	0	214	440	3,642	0	0	0	0	0	0	0
Total FY2011-2014				654	Total FY2015-2018		3,642		Total FY2019-2022		0		

MPMS# 87109 *Swarthmore Borough Pedestrian Access Upgrade (SRTS) - Round 1*

AQ Code A2 **LIMITS** Princeton Avenue at

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity Adding **MUNICIPALITIES:** Swarthmore Borough

PROJECT MANAGER:

Est Let Date: 2/27/2014

The Borough of Swarthmore will receive \$662,270 for safety and accessibility upgrades to the Princeton Avenue underpass, the main pedestrian link between the southern portion of the borough and the local elementary school.

All improvements will occur within the existing tunnel and adjacent public sidewalk and street, which are located within a quarter mile of the school. No additional right of way is required, and train operations will not be affected.

Proposed improvements include removing and replacing existing steps with ADA-compliant sidewalk ramps; extension of the northern ramp for approximately 100 feet within the unopened right-of-way of Princeton Ave; extension of the two 62' switchbacks of the southern ramp to the west of the underpass along Myers Ave; installation of new stairs to allow for more convenient access; removing and replacing lighting with continuous indirect lighting along the eastern wall; removing and replacing the existing floor, and installing new French drains on either side.

This project was awarded \$662,270 in Safe Routes to School (SRTS) funding in May of 2009.

TIP Program Years (\$ 000)													
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
PE	SRTS	74											
FD	SRTS	14											
CON	SRTS	574											
		662	0	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014				662	Total FY2015-2018		0		Total FY2019-2022		0		

Pennsylvania - Highway Program

Delaware

MPMS# 87119 *Nether Providence Township Sidewalks (SRTS) - Round 1*

AQ Code A2 **LIMITS** Wallingford Avenu

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity Adding

MUNICIPALITIES: Nether Providence Township

PROJECT MANAGER:

Est Let Date: 11/14/2014

This project will install sidewalks and curbing along the north side of Wallingford Avenue, which will create a safer route to Wallingford Elementary School.

Improvements include constructing new sidewalks on 4,425 linear feet of Wallingford Avenue (SR 3024), designated a Hazardous Walking Route by PennDOT per March 2005 DVRPC Stud. This will delete Wallingford Avenue from the Hazard Route list.

This project was awarded \$304,500 in Safe Routes to School (SRTS) funding in May of 2009.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	SRTS	304											
		304	0	0	0	0	0	0	0	0	0	0	0
		Total FY2011-2014			304	Total FY2015-2018			0	Total FY2019-2022			0

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

AQ Code A2 **LIMITS** Township Li

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity Adding

MUNICIPALITIES: Upper Darby Township

PROJECT MANAGER:

Est Let Date: 8/15/2014

This project will construct sidewalks, curb cuts, and other improvements to provide a safer route leading to the Aronimink Elementary School on Bond Avenue.

Improvements include construction of sidewalks along the west side of Township Line Road to commence at Pilgrim Lane to the convergence of TLR and State Road (SR); construction of 6 curb cuts for ramps at the west side of TLR at both corners of Bella Vista Road (BVR), 2 on the north corner of BVR and 4 at the south corner of BVR (Includes Crosswalk for Pedestrians); installation of guard railing along the west side of TLR from the north corner of BVR to the south corner of BVR; installation of 140 linear feet (l.f.) of retaining wall along west side of TLR within the north & south corners of BVR.

This project was awarded \$242,893 in Safe Routes to School (SRTS) funding in May of 2009.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
PE	SRTS	52											
FD	SRTS	8											
CON	SRTS	182											
		242	0	0	0	0	0	0	0	0	0	0	0
		Total FY2011-2014			242	Total FY2015-2018			0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 87940

Pedestrian and School Children Safety (TCSP)

AQ Code A2

LIMITS Paxon Hollow Road, Paxon Hollow Middle School to S

IMPROVEMENT: Bicycle/Pedestrian Improvement

Not SOV Capacity
Adding

MUNICIPALITIES: Marple Township

PROJECT MANAGER: AECOM/JD

Est Let Date: 1/3/2013

The project will provide for the installation of approximately 1500 linear feet of infill sidewalk and 600 square feet of curbing along Paxon Hollow Road from the Paxon Hollow Middle School to Sarah's Way. This stretch of the southeast side of Paxon Hollow Road currently contains several areas without sidewalks and any pedestrian navigation must occur in the street. As a result, pedestrian travel is limited and in most cases discouraged. The project also includes 8 new handicapped ramps and signage. New crosswalks will be installed not only to provide a continued safe access along the Northwest side of Paxon Hollow Road but also new crosswalks to provide controlled travel from the southeast side of the street. The project also proposes pedestrian crossing signals to warn motorists of the established intersection crossings. The goal of this project is to provide safe access for school children and pedestrians along Paxon Hollow Road (SR1022) from the adjoining residential neighborhoods which contain approximately 203 residential properties and will provide direct access to the school which will allow children to walk to and from school and reduce the need for utilizing a motor vehicle as transportation to the school.

\$177,840 FY2009 TCSP funds has been awarded to this project. The Transportation, Community, and System Preservation (TCSP) Program, an initiative of SAFETEA-LU which authorized the TCSP Program from FY2005 through FY2009, is a comprehensive initiative of research and grants to investigate the relationships between transportation, community, and system preservation plans and practices, and identify private sector-based initiatives to improve such relationships.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	TCS	178											
CON	LOCAL	44											
		222	0	0	0	0	0	0	0	0	0	0	0
		Total FY2011-2014			222	Total FY2015-2018			0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 92526
AQ Code X9

Chester Waterfront Lighting

LIMITS Highland Avenue from 4th Street to just west of 2nd Street

IMPROVEMENT: Streetscape

MUNICIPALITIES: Chester City

PROJECT MANAGER:

No Let Date

The City of Chester has obtained a 2002 Transportation and Community System Preservation Program (TCSP) earmark award of \$495,654 for streetscape improvements and enhancements in support of a Brownfield redevelopment project (The Wharf at Rivertown) along the Delaware River waterfront between Highland Avenue and Flower Street. Streetscape improvements are proposed for Highland Avenue from 2nd Street to just west of 5th Street. The project will include replacement of existing sidewalks, new street trees, restriping of the existing roadway as well as striping of pedestrian crosswalks at several intersections.

This project is a breakout from MPMS# 65127. This project installs just the lighting portion of the streetscape project.

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

Federal project #E2PA02
TCSP - \$495,654
SAFETEA DEMO - PA ID #269 - \$350,000

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	SXF		308										
		0	308	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014		308			Total FY2015-2018				0	Total FY2019-2022			0

MPMS# 92958
AQ Code

Newtown Traffic Signals (ARLE 1)

LIMITS Newtown Street Rd- West Chester Pike (SR 0003) to Goshen Rd (SR 1034)

IMPROVEMENT: Signal/ITS Improvements

MUNICIPALITIES: Newtown Township

PROJECT MANAGER:

No Let Date

This project was selected as part of PennDOT's Automated Red-Light Enforcement (ARLE) Round 1 program. 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 1 of ARLE awarded \$8,545,000 to the City of Philadelphia and \$3,431,000 to other municipalities in the DVRPC region. Funding for the Automated Red Light Enforcement (ARLE) program is provided by targeting 19 intersections within the city of Philadelphia with the implementation of an automated system that records violations by drivers who run red lights in the city and are fined for their violation. The automated red-light system generates revenue from the fines received from violators.

This project will provide for the installation of fiber optic interconnect cable in order to provide coordination for four (4) signalized intersections along Newtown Street Road (SR 0252). The fiber optic interconnect will allow for increased mobility and improved vehicular progression.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	244	87											
		87	0	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014		87			Total FY2015-2018				0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 92966

Aston Traffic Signal (ARLE 1)

AQ Code

LIMITS Various locations throughout Aston Township

IMPROVEMENT: Signal/ITS Improvements

MUNICIPALITIES: Aston Township

PROJECT MANAGER:

No Let Date

This project was selected as part of PennDOT's Automated Red-Light Enforcement (ARLE) Round 1 program. 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 1 of ARLE awarded \$8,545,000 to the City of Philadelphia and \$3,431,000 to other municipalities in the DVRPC region. Funding for the Automated Red Light Enforcement (ARLE) program is provided by targeting 19 intersections within the city of Philadelphia with the implementation of an automated system that records violations by drivers who run red lights in the city and are fined for their violation. The automated red-light system generates revenue from the fines received from violators.

This project will provide for an upgrade of existing traffic signals to LED signals, including walk/don't walk signals to LED signals throughout Aston Township. A total of eight (8) signalized intersections will be improved.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022		
CON	244	34													
		34	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2011-2014			34	Total FY2015-2018				0	Total FY2019-2022				0

MPMS# 92967

Haverford Intersection Improvement (ARLE 1)

AQ Code

LIMITS West Chester Pike- North Lawrence Road (SR 1016) to Kohl's Driveway

IMPROVEMENT: Signal/ITS Improvements

MUNICIPALITIES: Haverford Township

PROJECT MANAGER:

No Let Date

This project was selected as part of PennDOT's Automated Red-Light Enforcement (ARLE) Round 1 program. 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 1 of ARLE awarded \$8,545,000 to the City of Philadelphia and \$3,431,000 to other municipalities in the DVRPC region. Funding for the Automated Red Light Enforcement (ARLE) program is provided by targeting 19 intersections within the city of Philadelphia with the implementation of an automated system that records violations by drivers who run red lights in the city and are fined for their violation. The automated red-light system generates revenue from the fines received from violators.

This project will provide for the retiming of an existing closed loop signal system comprised of eleven (11) signalized intersections along West Chester Pike in Haverford Township. Updated traffic volumes and traffic signal analysis software will be utilized to optimize intersection timings, corridor wide cycle lengths, and coordination settings in order to improve mobility along this heavily traveled roadway.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022		
CON	244	54													
		54	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2011-2014			54	Total FY2015-2018				0	Total FY2019-2022				0

Pennsylvania - Highway Program

Delaware

MPMS# 92968

Milbourne Pedestrian Safety Improvement (ARLE 1)

AQ Code

LIMITS Market Street (SR0003) from Powell Lane to Sellers / Glencoe Road

IMPROVEMENT: Signal/ITS Improvements

MUNICIPALITIES: Millbourne Borough

PROJECT MANAGER:

No Let Date

This project was selected as part of PennDOT's Automated Red-Light Enforcement (ARLE) Round 1 program. 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 1 of ARLE awarded \$8,545,000 to the City of Philadelphia and \$3,431,000 to other municipalities in the DVRPC region. Funding for the Automated Red Light Enforcement (ARLE) program is provided by targeting 19 intersections within the city of Philadelphia with the implementation of an automated system that records violations by drivers who run red lights in the city and are fined for their violation. The automated red-light system generates revenue from the fines received from violators.

This project will provide for the installation of Type I Handicap Curb Ramps, Type C, Perpendicular Crosswalk Legends and W11-2 Advance Warning Signs.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
CON	244	108												
		108	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			108	Total FY2015-2018				0	Total FY2019-2022			0

MPMS# 92969

Tinicum 291 & 420 Improvement (ARLE 1)

AQ Code

LIMITS PA 291 Industrial Highway and PA 420 Wanamaker Avenue

IMPROVEMENT: Signal/ITS Improvements

MUNICIPALITIES: Tinicum Township

PROJECT MANAGER:

No Let Date

This project was selected as part of PennDOT's Automated Red-Light Enforcement (ARLE) Round 1 program. 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 1 of ARLE awarded \$8,545,000 to the City of Philadelphia and \$3,431,000 to other municipalities in the DVRPC region. Funding for the Automated Red Light Enforcement (ARLE) program is provided by targeting 19 intersections within the city of Philadelphia with the implementation of an automated system that records violations by drivers who run red lights in the city and are fined for their violation. The automated red-light system generates revenue from the fines received from violators.

This project will provide for the construction of a southbound right-turn lane on PA 291, the installation of dual left-turn arrows on southbound PA 291 and an increase in northbound clearance intervals from eastbound PA 291.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
CON	244	224												
		224	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			224	Total FY2015-2018				0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 92970

Upper Chichester Signs (ARLE 1)

AQ Code

LIMITS Various Locations through Upper Chichester Township, Delaware County

IMPROVEMENT: Signal/ITS Improvements

MUNICIPALITIES: Upper Chichester Township

PROJECT MANAGER:

No Let Date

This project was selected as part of PennDOT's Automated Red-Light Enforcement (ARLE) Round 1 program. 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 1 of ARLE awarded \$8,545,000 to the City of Philadelphia and \$3,431,000 to other municipalities in the DVRPC region. Funding for the Automated Red Light Enforcement (ARLE) program is provided by targeting 19 intersections within the city of Philadelphia with the implementation of an automated system that records violations by drivers who run red lights in the city and are fined for their violation. The automated red-light system generates revenue from the fines received from violators.

This project provides for the replacement of regulatory and warning signs to meet the Manual on Uniform Traffic Control Devices standards. This program has been implemented for the state roads in Upper Chichester Township to establish a sign inventory and fund replacement of signs.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
CON	244	19												
		19	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			19	Total FY2015-2018				0	Total FY2019-2022			0

MPMS# 92971

Yeadon Sign Replacement (ARLE 1)

AQ Code

LIMITS Whitby Ave and West Cobbs Creek Parkway

IMPROVEMENT: Signal/ITS Improvements

MUNICIPALITIES: Yeadon Borough

PROJECT MANAGER:

No Let Date

This project was selected as part of PennDOT's Automated Red-Light Enforcement (ARLE) Round 1 program. 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 1 of ARLE awarded \$8,545,000 to the City of Philadelphia and \$3,431,000 to other municipalities in the DVRPC region. Funding for the Automated Red Light Enforcement (ARLE) program is provided by targeting 19 intersections within the city of Philadelphia with the implementation of an automated system that records violations by drivers who run red lights in the city and are fined for their violation. The automated red-light system generates revenue from the fines received from violators.

This project provides for the replacement of regulatory or warning signs that meet the minimum retro-reflectivity requirements to provide night-time guidance. Also included will be new lighted chevrons to light the way in the curvature in the road on both Whitby Ave and West Cobbs Creek Parkway.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	
CON	244	50												
		50	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2011-2014			50	Total FY2015-2018				0	Total FY2019-2022			0

Pennsylvania - Highway Program

Delaware

MPMS# 94909

Engle Street Grade Crossing

AQ Code S1

LIMITS Between Townsend Street and Jeffery Street

IMPROVEMENT: Other

Not SOV Capacity Adding

MUNICIPALITIES: Chester City

PROJECT MANAGER:

No Let Date

Engle Street Grade Crossing
Installation of RR Warning Device and High-Type Surface
City of Chester, Delaware County

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	RRX		300										
		0	300	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014		300				Total FY2015-2018		0		Total FY2019-2022		0	

MPMS# 95404

Concord Township Safety Improvements (ARLE 2)

AQ Code 2013M

LIMITS Baltimore Pike

IMPROVEMENT: Signal/ITS Improvements

MUNICIPALITIES: Concord Township

PROJECT MANAGER:

No Let Date

The DVRPC Region was awarded a total of \$1,851,030 to advance the following projects which will each have individual MPMS numbers:

- 1.) Low Cost Safety Improvements at High Crash and High Traffic Locations (MPMS# 93155) - \$1,500,000
Funding will be used for safety improvements at high crash intersections.
- 2.) Install Traffic Adaptive Signal Control on Rt. 1 (MPMS# 95404), Delaware County - \$205,000
Funding will be used to install adaptive signal control at five intersections along Baltimore Pike.
- 3.) Business Route 30/US322 Congestion/Incident management, (MPMS# 95403), Chester County - \$146,030
Funding will be used for installation of closed circuit cameras and to upgrade two signalized intersections to allow for connection to the existing Closed Loop Traffic Signal System to assist in congestion management.

TIP Program Years (\$ 000)

Phase	Fund	FY2011	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022
CON	244		205										
		0	205	0	0	0	0	0	0	0	0	0	0
Total FY2011-2014		205				Total FY2015-2018		0		Total FY2019-2022		0	

Total For Delaware	2011	2012	2013	2014	2011-2014	2015-2018	2019-2022
	\$37,331	\$44,249	\$36,759	\$14,106	\$132,445	\$249,436	\$107,725