

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 17891 *RideECO Mass Marketing Efforts SR:0000*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: F/FTA

CMP: Not SOV Capacity Adding

This project will fund marketing materials and broad-based promotions, such as mass-market media efforts, a holiday gift certificate program, employee incentives for program implementation by their employer, and a direct mail effort to businesses, in order to increase RideECO sales.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PRA	CAQ	160												
PRA	LOC	40												
PRA	CAQ		160											
PRA	LOC		40											
		200	200	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			400	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 17900 *Mobility Alternatives Program (MAP)/Share a Ride Program (SAR)/(HER)*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:A1

PLANNING AREA:

DOD:

PROJECT MANAGER: GLB2003

CMP: Not SOV Capacity Adding

These congestion mitigation efforts cover administration, business outreach efforts by contracted agencies, and the marketing of the Mobility Alternatives Program (MAP), the Share a Ride Program (SAR), and the Emergency Ride Home Program (ERH). Geared to employers, MAP is an outreach and education program overseen by DVRPC to provide information to employers and commuters about options to the single occupant auto for commuting to work. Most of the MAP contractors have the same work program, and the uniform marketing materials are created and produced by DVRPC. SAR is a computerized ride matching program available to all commuters with jobs in the DVRPC region. The system provides all available transit options to the applicant before any potential car or vanpool matches. SAR is a matching system only; once match information is provided to applicants, the individuals are responsible for making mutually-agreeable arrangements on their own. To complement SAR, the Emergency Ride Home Program makes rental-car or taxi transportation available in emergency situations.

Funds are allocated accordingly:\$200,800 CAQ/\$50,200 Cash Match for DVRPC UPWP; \$51,760 CAQ to each of the 5 regional TMA's; \$120,000 CAQ to SEPTA; \$62,200 to City of Philadelphia/Clean Air Council.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PRA	CAQ	669												
PRA	581	54												
PRA	LOC	109												
PRA	CAQ		669											
PRA	581		54											
PRA	LOC		109											
PRA	CAQ			654										
PRA	581			54										
PRA	LOC			109										
PRA	CAQ				654									
PRA	581				54									
PRA	LOC				109									
		832	832	817	817	0	0	0	0	0	0	0	0	
		Total FY2013-2016			3,298	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 17928 Ozone Action Program

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: GLB2003

CMP: Not SOV Capacity Adding

This project will fund forecasting services by the University of Maryland, faxing services, a random telephone survey at the conclusion of the season to determine the penetration of the message, the kickoff event and the printing of promotional literature, and the development and placement of broadcast and print advertising.

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PRA	CAQ	100												
PRA	LOC	25												
PRA	CAQ		100											
PRA	LOC		41											
		125	141	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			266	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 36927 *Railroad/Highway Grade Crossings*

LIMITS Region-wide

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Various

AQ Code:S1

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG

CMP: Not SOV Capacity Adding

Railroad/highway grade crossing improvements typically involve the installation or upgrading of warning devices such as signals or gates or the installation of rubberized strips adjacent to and between the railroad tracks.

Potential locations:

- #36723 - East Thompson Road/Delaware - \$200,000 - COMPLETED
- #36724 - Pine Ridge Road/Delaware -\$200,000 - COMPLETED
- #48860 - Widell Road/Delaware - \$310,000 - COMPLETED
- #62125 - Street Road/Bucks -\$175,000
- #62356 - Street Road/Bucks - \$175,000
- #75609 - Bristol Road/Bucks -\$135,000
- #76934 - Forrestville/Elkview Road/Chester - \$150,000 needed to process conversion in FY09
- #76935 - Chrome Road/Chester -\$300,000
- #61815 - Marshall Road/Delaware - \$600,000 (Project will be completed as part of SEPTA's ARRA Project, MPMS# 60585)
- #61861 - Berkley Avenue/Delaware -\$600,000 (Project will be completed as part of SEPTA's ARRA Project, MPMS# 60585)
- #62124 - Penn Street/Delaware - \$600,000 (Project will be completed as part of SEPTA's ARRA Project, MPMS# 60585)
- #36627 - Broad Street/Chester -\$300,000
- #36699 - Broadway Avenue/Delaware - \$600,000
- #79433 - First Avenue/Chester - \$300,000 (\$266,000 RRS in FY09 needed to process conversion)
- #75610 - Post Road/Delaware - \$450,000
- #75786 - Turner Road/Delaware (Project will be completed as part of SEPTA's ARRA Project, MPMS# 60585)
- #75787 - Warminster Road/Montgomery
- #48414 - Allentown Road/Montgomery - \$520,000 HSIP/\$130,000 State
- #74168 - Cowpath Road/Montgomery
- #74544 - Church Road/Montgomery -\$100,000 - funds to process conversion
- #84646 - Roosevelt Boulevard Safety Improvements, Phase II/Philadelphia - \$1,040,000

FY2011/2012 Projects - Funded with RRX funds:

- #92327 - Glen Crest/Chester - \$230,000
- #92331 - Pattison Avenue/Philadelphia - \$160,000
- #92330 - Red Lion Road/Philadelphia - \$250,000
- #92328 - Scarlet Road/Chester - \$230,000
- #92329 - PA Avenue/Chester - \$320,000

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	RRX	189											
CON	RRX		544										
CON	RRX			1,295									
CON	RRX				1,313								
CON	RRX					1,313							
CON	RRX						1,313						
CON	RRX							1,313					
CON	RRX								1,313				
CON	RRX									1,313			
CON	RRX										1,313		
CON	RRX											1,313	
		189	544	1,295	1,313	1,313	1,313	1,313	1,313	1,313	1,313	1,313	1,313
		Total FY2013-2016			3,341	Total FY2017-2020			5,252	Total FY2021-2024			5,252

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 48197 **CSX Trenton Line Clearance Project**

LIMITS Park Junction to Delaware River

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Various

AQ Code:M9

PLANNING AREA:

DOD: 6

PROJECT MANAGER: MAL

CMP: Not SOV Capacity Adding

err(s): 4A, 4B, 5G, 5H, 5I, 12A, 14A

This project covers the CSX Trenton line, from Park Junction to the Delaware River at Yardley, via West Falls, Newtown Junction, and Woodbourne. Through the Philadelphia region, this rail line does not have adequate vertical clearances to accommodate double stack intermodal cars or tri-level auto racks, preventing full rail utilization for north-south freight moves and causing bottlenecks for area shippers and port facilities.

At approximately 16 locations, raise overhead highway bridges, lower existing tracks, and/or adjust overhead catenary to provide a continuous vertical clearance of 20 feet and 2 inches.

This project received a TEA 21 earmark PA ID#127 for \$5,000,000, a portion of which was used for design work.

This project is integral to the Delaware Valley Freight Corridors initiative.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	CAQ*	1,000												
CON	CAQ*		1,298											
		1,000	1,298	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			2,298	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 48199 *Transportation Management Associations (TMA) SR:0000*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:A1

PLANNING AREA:

DOD:

PROJECT MANAGER: GLB2003

CMP: Not SOV Capacity Adding

Transportation Management Associations (TMA's) help the region address demand for the region's transportation system. They are public-private partnerships that provide a forum to resolve transportation issues in their service areas. Services include a range of transportation improvement options, including task forces, employer and construction project shuttles, advocacy, and congestion reduction assistance to employers along corridors and in municipalities. TMA's work closely with PennDOT to keep businesses connected and informed about construction projects. Because they actively promote congestion reduction measures and transit use, the TMAs help to lower the need for new highway capacity. Each TMA contractor has a work program tailored to the transportation issues and needs of their constituencies and territories. Work programs are developed collaboratively with PennDOT, DVRPC, and their respective County/City Planning departments.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
PRA	CAQ	922													
PRA	LOC	230													
PRA	CAQ		922												
PRA	LOC		230												
PRA	CAQ			922											
PRA	LOC			230											
PRA	CAQ				922										
PRA	LOC				230										
		1,152	1,152	1,152	1,152	0	0	0	0	0	0	0	0		
		Total FY2013-2016			4,608	Total FY2017-2020				0	Total FY2021-2024				0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 48201 *DVRPC Competitive CMAQ Program*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG

CMP: Not SOV Capacity Adding

The Congestion Mitigation and Air Quality Improvement Program (CMAQ) was established by ISTEA and continued under TEA-21, SAFETEA-LU, and MAP-21. CMAQ funds are allocated to the states for use in non-attainment and maintenance areas for projects that contribute to the attainment of the Clean Air Act standards by reducing emissions from highway sources. Types of projects that are eligible for CMAQ funding include bicycle and pedestrian facilities; traffic flow improvements; ridesharing and other demand management programs; alternative fuel vehicles; and public transit improvements.

During a round of the DVRPC Competitive CMAQ Program, a call for projects goes out, applications are submitted, and candidate projects are ranked and selected by the DVRPC Board based on their emissions reduction potential, as well as other criteria such as cost-effectiveness, ease of implementation, project readiness, and sponsor commitment to provide matching funds.

The following 16 projects were selected in the calendar year 2011-2012 Competitive CMAQ Program:

- 1.Chalfont Borough Route 152 Congestion Mitigation Project MPMS# 96217- \$288,000 (\$230,400 CMAQ/\$57,600 Matching Funds)
- 2.Multi-modal Access to New Britain Train Station MPMS# 96211- \$212,000 (\$169,600 CMAQ/\$42,400 Matching Funds)
- 3.Park Road Trail MPMS# 96240 – \$1,455,908 (\$764,726 CMAQ/\$691,182 Matching Funds)
- 4.U.S. Route 202/Boot Road Interchange Area Adaptive Signal Control MPMS# 96241 – \$305,000 (\$244,000 CMAQ/\$61,000 Matching Funds)
- 5.Upper Merion to Bridgeport Train Station Pedestrian Facilities Improvements MPMS# 96238 - \$260,253 CMAQ/\$304,832 Matching Funds).
- 6.King of Prussia Business Improvement District Transit Shuttle MPMS# 96239 – \$1,481,592 (\$500,000 CMAQ/\$981,592 Matching Funds)
- 7.Fayette Street Interconnection Project, MPMS# 96218 – \$709,719 (\$567,775 CMAQ/\$141,944 Matching Funds)
- 8.Germantown Pike Fiber Optic Signal Interconnection, MPMS# 96219 – \$147,500(\$118,000 CMAQ/\$29,500 Matching Funds)
- 9.Lower Salford Adaptive Traffic System, MPMS# 96220 – \$916,000 (\$731,000 CMAQ/\$185,000 Matching Funds)
- 10.Enhanced Bike Facility Connection between Gray’s Ferry and Bartram’s Garden, MPMS# 96222 - \$600,000 (\$400,000 CMAQ/\$200,000 Matching Funds)
- 11.Philadelphia Signal Retiming, MPMS# 96223 - \$2,000,000 (\$1,000,000 CMAQ/\$1,000,000 Matching Funds)
- 12.Traffic Operations Center Cameras, MPMS# 96227 - \$480,000 CMAQ/\$120,000 Matching Funds)
- 13.Schuylkill River Trail Extension - South Street to Christian Street, MPMS# 96237 – \$1,196,083 (\$250,000 CMAQ/\$946,083 Matching Funds)
- 14.Manayunk Bridge Trail, MPMS# 96213 – \$2,854,246 (\$204,246 CMAQ/\$2,650,000 Matching Funds)
- 15.City Avenue Adaptive Signals, MPMS# 96215 - \$1,143,500 (\$800,000 CMAQ/\$343,500 Matching Funds)
- 16.Dual GenSet Diesel Locomotive Repower, MPMS# 96236 – SEPTA - \$1,600,000 (\$1,280,000 CMAQ/\$320,000 Matching Funds)

Funds will be drawn down from this Line Item at the appropriate time.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	LOC	250												
CON	CAQ													
CON	LOC		495											
CON	CAQ			1,913										
CON	LOC			750										
		250	495	2,663	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			3,408	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 48202 *Regional GIS Support - DVRPC*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: Mosca

CMP: Not SOV Capacity Adding

Geographic Information Systems (GIS) combine computer based mapping and database technologies to provide planners and engineers with new and efficient methods to analyze data related to the transportation system. The counties and operators in the region are each developing such systems. This line item will provide funding for the common elements of such systems as part of an effort to achieve a greater degree of regional consistency and obtain economies of scale.

Internet mapping task work is included.

TOLL CREDIT

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	STU	350												
PE	STU		1,100											
		350	1,100	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,450	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 48203 *Aerial Photography*

LIMITS Districtwide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:X1

PLANNING AREA:

DOD:

PROJECT MANAGER: DVRPC

CMP: Not SOV Capacity Adding

Aerial Photography on District 6-0 area.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
STUD	TOLL													
STUD	STU		428											
		0	428	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			428	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 57927 *Regional Safety Initiatives (HSIP)*

LIMITS Region-wide

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Various

AQ Code:S6

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG

CMP: Not SOV Capacity Adding

Safety projects eligible for HSIP (Highway Safety Improvement Program) funds will be undertaken at various locations across the five county region. Projects can be 100% federally funded as allowed by the use of Toll Credits for match.

Individual project funding has been drawn down for the following projects:

- MPMS #57625 - Route 232 Corridor and Intersections - Bucks Co
- MPMS #80042 - PA 100 Corridor Safety Improvements – Chester Co
- MPMS #48168 - Baltimore Pike Signals - Delaware Co
- MPMS #85417 - Allegheny Avenue - \$300,000 PE/ \$3,328,000 CON - Phila
- MPMS #85415 - Olney Avenue - \$300,000 PE- Phila

Remaining funds will be used to advance the following projects to be drawn down at the appropriate time, and to fund selected improvements identified through Regional Safety Audits.

- MPMS #85949 - SR 896 Safety Improvements - \$273,000 ROW/ \$273,000 UTL/ \$3,461,000 CON Chester Co - PE is underway
- MPMS #85419 - Erie Avenue - \$300,000 PR/ \$2,721,000 CON - Phila
- MPMS #80104 - Henry Ave Corridor - \$2,000,000 CON - Phila
- MPMS #85415 - Olney Avenue - \$3,670,000 CON - Phila

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	HSIP	2,815											
CON	HSIP			5,350									
CON	HSIP				6,303								
CON	HSIP					9,813							
CON	HSIP						9,813						
CON	HSIP							9,813					
CON	HSIP								9,813				
CON	HSIP									9,813			
CON	HSIP										9,813		
CON	HSIP											9,813	
		2,815	0	5,350	6,303	9,813	9,813	9,813	9,813	9,813	9,813	9,813	9,813
		Total FY2013-2016				Total FY2017-2020				Total FY2021-2024			
		14,468				39,252				39,252			

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 64652 *Transportation Community Development Initiative (TCDI)*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:X3

PLANNING AREA:

DOD:

PROJECT MANAGER: DVRPC

CMP: Not SOV Capacity Adding

The Transportation and Community Development Initiative (TCDI) provides a mechanism for the individual municipalities of the Delaware Valley to undertake locally-directed actions to improve their communities, which in turn implements their local and county comprehensive plans and supports the goals and vision of the regional plan. Pennsylvania and New Jersey, as well as a number of counties within the region, have programs now underway to support community revitalization.

The regional Transportation and Community Development Initiative seeks to support and leverage those programs, by providing funding of up to \$100,000 in selected municipalities to undertake planning, analysis or design initiatives for projects or programs which enhance development or redevelopment and improve the efficiency or enhance the regional transportation system. A 20% cash or in-kind match is required.

The program is targeted to the core cities, inner-ring suburbs, and older boroughs of the region that have lost jobs and population and are in need of assistance to generate growth and redevelopment. Identified census tract areas in 75 southeastern Pennsylvania municipalities as well as much of the city of Philadelphia, are eligible to apply for TCDI funding. Projects will be selected on a competitive basis and designated by the DVRPC Board.

FY13 Funds are programmed for projects selected as part of Round 8, 2014/2015. Funds are made available for projects in order to accommodate the program operating on an every other year cycle. This activity is a component of the DVRPC Work Program (UPWP).

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	STU	1,200												
PE	LOC	300												
		1,500	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,500	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 64984 *Highway Transportation Enhancements (TE)/ Transportation Alternatives Program (TAP) Line Item*

LIMITS Region-wide

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Various

AQ Code:X12

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG2006

CMP: Not SOV Capacity Adding

This line item sets aside the funding allocated by PENNDOT for the federal Transportation Enhancements and state Home Town Streets/Safe Routes to School Programs in the DVRPC region.

The TE Program funds "non-traditional" projects that enhance the transportation experience, mitigate the impacts of transportation facilities on communities and the environment, and enhance community character through transportation-related improvements. Federal law requires states to set aside 10% of their federal Surface Transportation Program funds to the TE Program, and the state Home Town Streets/Safe Routes to School Program funding is distributed through the TE program formula. The Safe Routes to School program is designed to work with both school districts and pedestrian and bicycle safety advocates to make physical improvements that promote safe walking and biking passages to schools. The Home Town Street program provides for streetscape improvements to help revitalize defined "downtown" and commercial centers.

Projects are recommended for funding at the end of the competitive round of the TE/HTS/SRS Program, and the date of the Round/Program Year corresponds accordingly. Selected projects are assigned an individual MPMS project number and description in the TIP, and funding will be drawn down from this line item and programmed at the appropriate time. The following projects were approved through this program, but it is no

2004 Round/Program -71195, 71206, 71200, 71202, 71210.

2005 Round/Program - Regional: 72906, 72974, 72908, 72977, 72996, 72913, 72978, 72911, 72991, 72918. Discretionary: 72910, 73012, 73134, 73135, 73136, 73137, 72994.

2006 Round/Program - Regional: 77448, 77449, 77450, 77451, 77452, 77455, 77456, 77457, 77459, 77460, 77461, 77462, 77464, 77465, 77466, 77468, 77470, 77472, 77473, 77475. Discretionary: 77476, 77478, 77479, 77485.

2009 Round of federally funded Safe Routes to School Projects (SRTS) are listed with individual funding from that program. See MPMS #'s 87088, 87119, 87109, 87120, 87097, 87099, 87107.

Under MAP-21, this line item sets aside a total of \$7, 738,000 federal funds at \$3,719,000 in FY14 and in FY15 that was allocated by PENNDOT for federal Transportation Alternatives Program (TAP) projects in the DVRPC region. Funds must be obligated by September 30, 2016. The following projects selected for DVRPC's regional TAU funds in spring 2014 will draw a total of \$7,500,859 TAU funds from this line item at the appropriate time:

Bucks County:

MPMS #102830 - Neshaminy Greenway Trail to Lenape Lane - \$800,000

MPMS #102831 - Solebury Route 202 Gateway Trail - \$980,859

Chester County:

MPMS# 102832 - Kennett and New Garden Townships Sidewalk Project - \$850,000

MPMS #102833 - Village of Eagle Trail Connections - \$560,000

Delaware County:

MPMS #102834 - Pedestrian and Bicycle Accessibility Enhancements - \$420,000

MPMS #102835 - Hillside Road Pedestrian Safety Improvements -\$530,000

MPMS #87119 - Walkable Wallingford - Wallingford Ave SRTS- \$225,000 – MPMS #87719

Montgomery County:

MPMS #102836 - Walk and Bike Pottstown Phase 1 & 2 - \$1,000,000

MPMS #102837 - Liberty Bell Trail Connection- \$635,000

Philadelphia County:

MPMS #102838 - Philadelphia Bike Share Program - \$1,250,000

MPMS #102839 - South Philadelphia Neighborhood Bikeway - \$250,000

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

CON TAP	1,839											
CON TAP		5,989										
CON TAP			5,989									
CON TAP				5,989								
CON TAP					5,989							
CON TAP						5,989						
CON TAP							5,989					
CON TAP								5,989				
CON TAP									5,989			
CON TAP										5,989		
CON TAP											5,989	
CON TAP												5,989
	0	1,839	5,989	5,989	5,989	5,989	5,989	5,989	5,989	5,989	5,989	5,989
	Total FY2013-2016		13,817		Total FY2017-2020		23,956		Total FY2021-2024		23,956	

MPMS# 65109 *Transit Flex - SEPTA*

LIMITS System-wide

No Let Date

IMPROVEMENT Transit Improvements

MUNICIPALITIES: Various

AQ Code:M1

PLANNING AREA:

DOD:

PROJECT MANAGER: SEPTA

CMP: Not SOV Capacity Adding

This project is a placeholder of the highway funds that PennDOT has "flexed" for transit use in the DVRPC region as part of the Planning Partner Financial Guidance. SEPTA may choose to use these funds to supplement its other federal and state funding for any capital project.

Each year SEPTA will apply these "flexed" funds to one of its other projects in the TIP, but may choose to apply them to a new project through the TIP amendment process.

FY 2013-2016 funding in the amount of \$68,332,000 has been applied to MPMS# 90512, SEPTA Bus Purchase Program.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	FLEX	17,083											
PE	FLEX		17,083										
PE	FLEX			17,083									
PE	FLEX				17,083								
PE	FLEX					17,083							
PE	FLEX						17,083						
PE	FLEX							17,083					
PE	FLEX								17,083				
PE	FLEX									17,083			
PE	FLEX										17,083		
PE	FLEX											17,083	
PE	FLEX												17,083
		17,083	17,083	17,083	17,083	17,083	17,083	17,083	17,083	17,083	17,083	17,083	17,083
		Total FY2013-2016		68,332		Total FY2017-2020		68,332		Total FY2021-2024		68,332	

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 66460 *TAP Project Engineering and Management - DVRPC*

LIMITS Region-wide

No Let Date

IMPROVEMENT Bicycle/Pedestrian Improvement

MUNICIPALITIES: Various

AQ Code:X12

PLANNING AREA:

DOD:

PROJECT MANAGER: DVRPC

CMP: Not SOV Capacity Adding

Assist PennDOT by providing engineering and project management responsibilities in the implementation of non-traditional TE funded transportation projects. This will involve review of engineering plans and documents, facilitation and coordination among the project applicants, consultants, PennDOT District staff, PennDOT Central Staff, and FHWA. This activity is a component of the DVRPC Work Program (UPWP).

TIP Program Years (\$ 000)														
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	STE	322												
PE	581	80												
PE	STE		322											
PE	STU		416											
PE	581		184											
		402	922	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,324	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 66461 *CMAQ Project Engineering and Management - DVRPC*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:X5

PLANNING AREA:

DOD:

PROJECT MANAGER: DVRPC

CMP: Not SOV Capacity Adding

Assist PennDOT by providing engineering and project management responsibilities in the implementation of non-traditional CMAQ funded transportation projects. This will involve review of engineering plans and documents, facilitation and coordination among the project applicants, consultants, PennDOT District staff, PennDOT Central Staff, and FHWA. This activity is a component of the DVRPC Work Program (UPWP).

TIP Program Years (\$ 000)														
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	CAQ	200												
PE	581	50												
PE	CAQ		287											
PE	581		72											
		250	359	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			609	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 72738 *Intelligent Transportation Systems (ITS) Including RIMIS - DVRPC*

LIMITS Region-wide

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG/2005

CMP: Not SOV Capacity Adding

DVRPC's Intelligent Transportation System (ITS) program encompasses a wide range of activities including the ITS Technical Task Force, incident management programs, ITS architecture development, training programs for ITS operators and emergency response personnel, and technical assistance to agencies. Its centerpiece is the Regional Integrated Multi-modal Information Sharing (RIMIS) concept which will implement an Information Exchange Network (IEN) that will function as the communications backbone among operation centers throughout the region. This system would be used to notify agencies about incidents or unusual conditions which affect them, and will allow them to share resources (e.g., variable message signs) and coordinate a unified response. Information will be made available to the public via traffic reporting agencies. This activity is a component of the DVRPC Work Program (UPWP).

This project is integral to the Delaware Valley Freight Corridors initiative.

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PRA	CAQ	768											
PRA	581	148											
PRA	CAQ		591										
PRA	STU		130										
PRA	581		181										
		916	902	0	0	0	0	0	0	0	0	0	0
		Total FY2013-2016		1,818		Total FY2017-2020				0		Total FY2021-2024	
										0		0	

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 75767 *District Bridge Design Program*

LIMITS Regionwide

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

AQ Code:S19

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG

CMP: Not SOV Capacity Adding

This project provides funding for the design for repair or replacement of to-be-determined structurally deficient State and Local bridges in the DVRPC region. Funds will be drawn from the line item at the appropriate time in order to most efficiently use available resources, and will be programmed for construction when they are ready to advance.

- 1.(BMS# 09 0202 0050 0000) 202 O/N Br Neshaminy Cr
- 2.(BMS# 15 3044 0130 0000) Ewing Rd O/Br White Clay Cr
- 3.(BMS# 15 0282 0022 5137) Creek Rd O/Br E Br Brandywine Cr
- 4.(BMS# 09 2025 0132 1806) Bristol Rd O/Br Neshaminy Cr
- 5.(BMS# 46 3044 0050 0415) Wynwood Rd O/Br Indian Cr
- 6.(BMS# 09 0032 0470 0000) River Rd O/Cuttalosa Cr
- 7.(BMS# 46 2027 0050 0209) Pennsylvania Av O/Sandy Run
- 8.(BMS# 15 4008 0040 2729) Little Washington Rd O/Indian Run
- 9.(BMS# 23 3046 0080 0000) Smithbridge Rd O/Webb Cr
- 10.(BMS# 15 3020 0020 0000) Saginaw Rd O/Big Elk Cr
- 11.(BMS# 23 0420 0070 1072) Kedron Ave O/Stoney Cr
- 12.(BMS# 23 0420 0080 0000) Kedron Ave O/Br Stoney Cr
- 13.(BMS# 23 0420 0110 1825) Kedron Ave O/Loundes Run

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	BOO	3,200												
PE	183	600												
PE	LOC	200												
		4,000	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			4,000	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 75854 *District Program Management Services "A"*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: C. Davies

CMP: Not SOV Capacity Adding

This project provides funds for selected consultants to provide Project Management Services and handling all tasks to advance PennDOT transportation projects from inception to a bid letting. Tasks include guidance in project development; preparation and monitoring of schedules and costs; review and/or coordination of design submissions, right of way plans, design drawings, specifications and estimates; conduct design review meetings, constructability reviews and plan checks; review environmental items and ensure all permits are obtained; and coordinate with stakeholders including PennDOT, environmental agencies, municipal officials or authorities, utility companies, and the general public.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	581	1,000												
PE	581		1,000											
		1,000	1,000	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			2,000	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 75855 *District Program Management Services "B"*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: C. Davies

CMP: Not SOV Capacity Adding

This project provides funds for selected consultants to provide Project Management Services and handling all tasks to advance PennDOT transportation projects from inception to a bid letting. Tasks include guidance in project development; preparation and monitoring of schedules and costs; review and/or coordination of design submissions, right of way plans, design drawings, specifications and estimates; conduct design review meetings, constructability reviews and plan checks; review environmental items and ensure all permits are obtained; and coordinate with stakeholders including PennDOT, environmental agencies, municipal officials or authorities, utility companies, and the general public.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PRA	581	1,500												
PRA	581		1,500											
		1,500	1,500	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			3,000	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 76972 PA Local Scoping

LIMITS CITY OF PHILADELPHIA, BUCKS, CHESTER, DELAWARE AND MONTGOMERY COUNTIES

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:X5

PLANNING AREA:

DOD:

PROJECT MANAGER: CMP:

This program provides funding for project development and scoping work, including problem identification, selection and monitoring. It will enable DVRPC to work with member PA Counties to take a selected transportation deficiency (Problem Statement) through the steps of problem documentation, conceptual design, preliminary alternatives screening, and initial public outreach. This project is a component of the DVRPC 2013 Work Program. Originally established at \$500,000, this program has funded 3 regionally selected efforts: \$95,000 (FY13) available for I-76 and I-476 Operational Improvements MPMS# 96953; \$200,000 (FY13) available for Alternatives Development - Roosevelt Boulevard Transit Investments MPMS# 96954 in FY13; \$50,000 (FY14) for PA Turnpike Access Study in Montgomery County (MPMS #97321).

TIP Program Years (\$ 000)														
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	STU		100											
		0	100	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			100		Total FY2017-2020			0		Total FY2021-2024		0

MPMS# 79927 Highway Reserve Line Item-STP

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG CMP: Not SOV Capacity Adding

Highway Reserve District-Wide Line Item. This project number serves as a placeholder for unprogrammed funds and serves as a fiscal constraint balancing mechanism for project actions that occur during TIP Modifications and Amendments after a TIP is adopted.

TIP Program Years (\$ 000)														
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STP	2,164												
CON	STP					5,066								
CON	581					1,623								
CON	581						556							
CON	581							6						
CON	581								114					
CON	STP									280				
CON	581									46				
CON	STP										1,094			
CON	581										1,077			
CON	STP											2,946		
CON	581											6,965		
CON	STP												18,294	
CON	581												11,940	
		2,164	0	0	0	6,689	556	6	114	326	2,171	9,911	30,234	
		Total FY2013-2016			2,164		Total FY2017-2020			7,365		Total FY2021-2024		42,642

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 79929 *Bridge Reserve Line Item*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:S19

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG

CMP: Not SOV Capacity Adding

This project number serves as a placeholder for unprogrammed funds and serves as a fiscal constraint balancing mechanism for project actions that occur during TIP Modifications and Amendments after a TIP is adopted.

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

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	BOO	284											
PE	916	3,095											
PE	183	53											
PE	185	2,417											
PE	179A	404											
PE	LOC	24											
PE	BOF		220										
PE	NHPP		999										
PE	185		46										
PE	179A		373										
PE	183		250										
PE	179A			1,819									
PE	183			1,377									
PE	185			237									
PE	NHPP				2,347								
PE	916				765								
PE	185				490								
PE	183				1,889								
PE	NHPP					639							
PE	185					3							
PE	916					657							
PE	NHPP						7,210						
PE	185												
PE	916						478						
PE	NHPP							2,033					
PE	185							18					
PE	NHPP								7,602				
PE	185								288				
PE	NHPP									58,148			
PE	185									250			
PE	NHPP										47,044		
PE	185										398		
PE	NHPP											52,290	
PE	185											89	
PE	NHPP												52,290
PE	185												1,121
		6,277	1,888	3,433	5,491	1,299	7,688	2,051	7,890	58,398	47,442	52,379	53,411
		Total FY2013-2016		17,089		Total FY2017-2020			18,928		Total FY2021-2024		211,630

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 79980 *STU Reserve Line Item*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:S10

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG

CMP: Not SOV Capacity Adding

This project number serves as a placeholder for unprogrammed funds and serves as a fiscal constraint balancing mechanism for project actions that occur during TIP Modifications and Amendments after a TIP is adopted.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	STU	48											
CON	581	17											
CON	STU			1,793									
CON	LOC			974									
CON	STU				706								
CON	STU							1,663					
CON	STU												
CON	STU												
CON	STU												
		65	0	2,767	706	0	0	0	1,663	0	0	0	0
		Total FY2013-2016			3,538	Total FY2017-2020			1,663	Total FY2021-2024			0

MPMS# 80093 *I-76, Regional Travel Information*

LIMITS I-76 in Philadelphia/Lower and Upper Merion Townsh

Est Let Date: 6/15/2015

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES:

AQ Code:S7

PLANNING AREA:

DOD:

PROJECT MANAGER: AECOM/ER

CMP: Not SOV Capacity Adding

Adding Subcorr(s): 3A, 3B, 3C

This project builds upon existing systems and ITS deployments to enhance traveler information on the I-76 corridor and surrounding areas.

This project is funded by a \$3,200,000 SAFETEA-LU Earmark (PA ID# 361/FED ID# 0878)

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PE	TOLL												
PE	SXF	275											
FD	SXF	338											
FD	CAQ	358											
CON	SXF			1,042									
CON	CAQ			892									
CON	581			516									
		971	0	2,450	0	0	0	0	0	0	0	0	0
		Total FY2013-2016			3,421	Total FY2017-2020			0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 82216 NHPP Reserve Line Item

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG

CMP: Not SOV Capacity Adding

This project number serves as a placeholder for unprogrammed funds and serves as a fiscal constraint balancing mechanism for project actions that occur during TIP Modifications and Amendments after a TIP is adopted.

		TIP Program Years (\$ 000)															
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024				
CON	581	9															
CON	NHPP		2,735														
CON	581		31														
CON	NHPP			627													
CON	581			157													
CON	NHPP				15,785												
CON	581				1,120												
		9	2,766	784	16,905	0	0	0	0	0	0	0	0				
		Total FY2013-2016		20,464		Total FY2017-2020				0				Total FY2021-2024		0	

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 82395 916 Approp. Reserve Line Item

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:S19

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG

CMP: Not SOV Capacity Adding

This project number serves as a placeholder for unprogrammed funds and serves as a fiscal constraint balancing mechanism for project actions that occur during TIP Modifications and Amendments after a TIP is adopted.

Appropriation 916 was signed into law in July 2007, and is designed to address the state's transportation-funding crisis by generating additional income to help pay for the repair and maintenance of local roads and bridges and to help fund the states 73 transit agencies.

Appropriation 916 funding in the highway program is for the preservation and restoration of roadways and bridges, as well as for operations and maintenance of the system. Most funding must be dedicated to projects that focus on reducing the number of structurally deficient bridges and improving ride quality on roadways. Projects that improve safety and capacity management may also be included.

The DVRPC Highway Program benefits from approximately \$27 million annually of 916 Funds, noted in the TIP with the funding code "916."

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	916	5,851												
CON	916		3,934											
CON	916			304										
CON	916					1,933								
CON	916						2,070							
CON	916							984						
CON	916								146					
CON	916									9,193				
CON	916										6,503			
CON	916											4,348		
CON	916												2,848	
		5,851	3,934	304	0	1,933	2,070	984	146	9,193	6,503	4,348	2,848	
		Total FY2013-2016			10,089	Total FY2017-2020			5,133	Total FY2021-2024		22,892		

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 84059 Traffic Incident Management

Actl Let Date: 6/4/2009

LIMITS Broad St Intchge to Delaware State Ln

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Various

AQ Code:S7

PLANNING AREA:

DOD:

PROJECT MANAGER: CMP: Not SOV Capacity Adding

The project will include design of ITS devices along I-95 from the Delaware state line to Broad Street and along the I-476 corridor from I-95 to the St. David's interchange. The ITS devices will enable PennDOT to monitor I-95 and I-476, facilitate more efficient incident response and transportation management, and provide valuable information to travelers to improve the safety and efficiency of their experience on the I-95 corridor. The devices and locations scoped for this project will fit into PennDOT's overall I-95 Interstate ITS Completion Plan. The devices will be connected into PennDOT's fiber optic communications system and ultimately managed from PennDOT's Regional Transportation Management Center, located in the District 6-0 offices in King of Prussia, PA. The project also enhances PennDOT's cooperation and collaboration with regional stakeholders located in the study area, such as Delaware County, and the City of Philadelphia Streets Department, Sports Complex and Airport.

I-95, Section ITC (DelawareState Line to Girard Point Bridge)

This section of expressway spans 16 miles and consists of primarily 3 through lanes traveling in each direction. 14 interchanges, including an interstate-to-interstate interchange at Exit 7 (I-95/I-476) as well as the exit for the Philadelphia International Airport (Exit 10) are located in this section. As of 2007, the average AADT through this section was approximately 146,000 vehicles. ITS devices currently deployed include 2 north-facing DMS located north of PA-420 and north of Exit 9 respectively and 3 CCTV cameras located at the I-95/I-476 Interchange, Island Avenue, and Enterprise Avenue. In order to provide complete ITS coverage through this section, the I-95 Interstate ITS Completion Plan anticipates that additional ITS devices will be required. Five (5) DMS are envisioned, as well as 17 CCTV, 31 vehicle detectors, 16 AVI E-ZPass tag readers, and communications upgrades.

I-476 (I-95 to St. David's Interchange)

The I-476 reconstruction has already been awarded to a contractor for construction. As part of the I-476 RES project, several ITS devices are designed for deployment to provide full coverage along the I-476 corridor. However, the design did not include DMS signs and tag readers between I-95 and St. David's interchange. This project will design DMS signs and tag readers between I-95 and St. David's interchange, which will provide complete coverage along the I-476 corridor. 8 DMS are envisioned, as well as 13 AVI E-ZPass tag readers and communications upgrades.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	TOLL													
CON	NHPP		80											
CON	STP		250											
		0	330	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			330	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 84318 *CMAQ Reserve Line Item*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:NRS

PLANNING AREA:

DOD:

PROJECT MANAGER: LEG

CMP: Not SOV Capacity Adding

This project number serves as a placeholder for unprogrammed funds and serves as a fiscal constraint balancing mechanism for project actions that occur during TIP Modifications and Amendments after a TIP is adopted.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	581	25											
CON	LOC		652										
CON	CAQ				74								
CON	CAQ					40,990							
CON	CAQ						30,990						
CON	CAQ							40,127					
CON	CAQ								40,990				
CON	CAQ									40,990			
CON	CAQ										40,990		
CON	CAQ											40,990	
CON	CAQ												40,990
		25	652	0	74	40,990	30,990	40,127	40,990	40,990	40,990	40,990	40,990
		Total FY2013-2016			751	Total FY2017-2020			153,097	Total FY2021-2024			163,960

MPMS# 84457 *Signal Retiming Program*

LIMITS Region-wide

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Philadelphia City

AQ Code:X1

PLANNING AREA: Core City

DOD:

PROJECT MANAGER: TWB/JM

CMP: Not SOV Capacity Adding

This signal re-timing program provides for the evaluation of existing signals along an identified corridor, with the goal of improving traffic operations along said corridor through revised signal timing plans. The program was implemented first using corridors identified in the City of Philadelphia, with the goal of expanding a successful program to other counties. The selected vendor would collect current traffic data, compare it against the functioning signal timing, and prepare and implement a revised signal timing plan on approval of the PennDOT's District 6.

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
PRA	CAQ	350											
PRA	CAQ		350										
		350	350	0	0	0	0	0	0	0	0	0	0
		Total FY2013-2016			700	Total FY2017-2020			0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 86055 *I-95 ITS Extension*

LIMITS Broad Street to US 1

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Various

AQ Code:S7

PLANNING AREA:

DOD:

PROJECT MANAGER: CONSTR

CMP: Not SOV Capacity Adding

Design Build ITS installation project on 3 roadway sections: I-95 between Broad Street and Vine Street (I-676) in Philadelphia; I -676 between 23rd Street and I-95 in Philadelphia; and I-95 between Academy Road and US 1 in Bucks County. See MPMS #86285 for Phase II of the Bucks/Philadelphia ITS installation.

I-95 will receive 31 CCTV cameras, 11 dynamic message signs, and 54 travel time readers. I-676 will receive 3 dynamic message signs.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	CAQ	347												
CON	STU	97												
CON	NHPP		16											
		444	16	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			460	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 86077 *Update Travel Simulation - DVRPC*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES:

AQ Code:X1

PLANNING AREA:

DOD:

PROJECT MANAGER: DVRPC

CMP: Not SOV Capacity Adding

DVRPC continually strives to keep its travel simulation models up to date to insure the accuracy of travel forecasts and to respond to new forecasting requirements associated with the FTA New Starts program, FHWA conformity demonstration requirements, and EPA clean air amendments and other environmental regulations. DVRPC's travel simulation process requires periodic updating. This includes updating the travel simulation models, the software that runs the models, and the data that the models are based on. This project will make upgrades in all three areas. The travel models will be upgraded to bring them in line with the state of the art/science of demand modeling. The various data required to operate, calibrate, and validate the model, including socioeconomic data, traffic data, and travel surveys, will be updated as well. This activity is a component of the DVRPC Work Program (UPWP).

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PRA	STU	1,418												
PRA	STU		870											
		1,418	870	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			2,288	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 86285 *ITS Phase II in Bucks and Philadelphia*

LIMITS US 1 to NJ State Line

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES: Various

AQ Code:S7

PLANNING AREA:

DOD:

PROJECT MANAGER: CONSTR

CMP: Not SOV Capacity Adding

Design Build ITS installation project on 3 roadway sections: I-95 between US 1 and the NJ State Line in Bucks County; US 1 between the PA Turnpike and the NJ State Line in Bucks County; and SR 63 between I-95 and US 1 in Philadelphia. This project implements Phase II of the Bucks/Philadelphia ITS project. See MPMS #86055 for the I-95 Extension phase.

I-95 will receive 5 CCTV cameras, 4 dynamic message signs, and 8 travel time readers. US 1 will receive 18 CCTV cameras, 9 dynamic message signs, and 14 travel time readers. SR63 will receive 5 CCTV cameras, 2 dynamic message signs, and 6 travel time readers.

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

MPMS# 86900 *Bridge On Demand 2009*

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

AQ Code:S19

PLANNING AREA:

DOD:

PROJECT MANAGER: CONSTR

CMP:

Line item established to fund various structurally deficient bridges in the DVRPC Region.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
CAL	916		250												
CON	916	1,000													
		1,000	250	0	0	0	0	0	0	0	0	0	0		
Total FY2013-2016		1,250			Total FY2017-2020				0				Total FY2021-2024		0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 87060 Stone Arch Rehab, Group D

LIMITS Various

ctl Let Date: 12/17/2009

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

AQ Code:S19

PLANNING AREA:

DOD:

PROJECT MANAGER: CONSTR

CMP:

In response to the failure of several historic stone masonry bridges in the past several weeks, immediate action is being taken to address existing stone arch structures. This project involves the rehabilitation of the following five stone arch bridges that are structurally deficient and require immediate repair to preserve their structural integrity and enhance safety and protection of the public:
SR 0113 Souderton Pike Over Morris Run, Bucks County

This masonry arch structure carries Souderton Pike over Unami Morris Run in Hilltown Township. The structure was built in 1902 and is 50 feet long, 24.3 feet wide. The estimated cost for rehabilitating this bridge is \$1,600,000.

SR 1003 Carver-Wismer Road Over Paunnacussing Creek, Bucks County

This arch structure carries Carver-Wismer Road over Paunnacussing Creek in Solesbury Township. The structure was built in 1844 and is 45 feet long, 20.9 feet wide. The estimated cost for rehabilitating this bridge is \$1,000,000.

SR 4027 Allentown Road Over Ridge Valley Creek, Bucks County

This arch structure carries Allentown Road over Ridge Valley Creek in Solesbury Township. The structure was built in 1908 and is 37 feet long, 19 feet wide. The estimated cost for rehabilitating this bridge is \$700,000.

SR 1023 Swamp Creek Road Over Unami Creek, Montgomery County

The existing arch structure carries Swamp Creek Road over Unami Creek in Marlborough Township. The structure was built in 1910 and is 98 feet long, 22 feet wide. The estimated cost for rehabilitating this bridge is \$1,500,000.

SR 1030 Swamp Creek Road Over Unami Creek, Montgomery County

The existing arch structure carries Swamp Creek Road over Unami Creek in Marlborough Township. The structure was built in 1892 and is 100 feet long, 22 feet wide. The estimated cost for rehabilitating this bridge is \$1,500,000.

The rehabilitation of these bridges will include reconstructed stone masonry parapets with reinforced concrete cores and full width moment slab, scour repair and protection, and repointing as needed. Completion of this project will remove the bridges from structurally deficient status while preserving their historic significance. The current let date is December 15, 2009.

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

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
FD	916	120													
		120	0	0	0	0	0	0	0	0	0	0	0		
		Total FY2013-2016			120	Total FY2017-2020				0	Total FY2021-2024				0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 89028 *Bridge on Demand 2010*

LIMITS City of Philadelphia

Actl Let Date: 7/22/2010

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Philadelphia City

AQ Code:S19

PLANNING AREA: Core City

DOD:

PROJECT MANAGER: CMP:

Addresses bridge maintenance on various bridges in Bucks, Chester, Delaware and Montgomery counties. Bridge maintenance on demand repairs in Philadelphia county will continue under current contracts, MPMS#'s 84821 and 86901.

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	916	1,920												
		1,920	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,920	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 89092 *Bridge Underpinning 2010*

LIMITS

Actl Let Date: 6/24/2010

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

AQ Code:S19

PLANNING AREA:

DOD:

PROJECT MANAGER: CMP:

Addresses underpinning on various bridges in Bucks, Chester, Delaware and Montgomery Counties.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	581			278										
		0	0	278	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			278	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 92182 *Expressway Service Patrol - Suburban Counties (2013-2016)*

LIMITS I-476, US 202, US 422, I-95, I-76, PA 309, and US 30 in Bucks, Chester, Delaware, and Montgomery CO

No Let Date

IMPROVEMENT Signal/ITS Improvements

MUNICIPALITIES:

AQ Code:S7

PLANNING AREA:

DOD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

This project is a breakout of MPMS# 88616, and will operate in the suburban counties of Bucks, Chester, Delaware, and Montgomery as part of the Expressway Service Patrol contract for an additional two years. The program will provide for the operation of emergency service patrols on congested state highways to detect and clear incidents rapidly by providing emergency assistance to stranded motorists. Approximately half of all delays experienced by highway users in congested areas are caused by traffic accidents, vehicle breakdowns, and other incidents. Prompt incident management programs such as this, can reduce delay's significantly. Service will be provided on 50 linear miles including: I-76 from Philadelphia to PA Turnpike; I-95 from the New Jersey State Line to the Bucks County line; I-476 from I-95 to the PA Turnpike; US Route 202 from I-76 to US 30; US Route 422 from Route 202 to Royersford; PA 309 from PA 63 to Easton Road; and US 30 from Business Route 30 to PA 10.

A separate contract for the Philadelphia Expressway Service Patrol (MPMS #91490) is currently programmed on the DVRPC TIP and utilizes federal funding.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
CON	STU	6,000													
CON	TOLL														
CON	TOLL														
CON	STP		125												
		6,000	125	0	0	0	0	0	0	0	0	0	0		
		Total FY2013-2016			6,125			Total FY2017-2020			0			Total FY2021-2024	

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 92184 Adj Box Beam Grp (J)

LIMITS

Est Let Date: 2/27/2014

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

AQ Code:S19

PLANNING AREA:

DOD:

PROJECT MANAGER: HNTB/NV

CMP:

Box beam type bridges will be rehabilitated in Bucks, Delaware, and Montgomery Counties, which are as follows:

Tullytown Road (SR 0013) over branch of Martins Creek, in Falls Twp., Bucks County
 Chinquapin Road (SR 2025) over Ironworks Creek, in Northampton Twp., Bucks County

Bryn Mawr Avenue (SR 1032) over Ithan Creek, in Radnor Twp., Delaware County

Skippack Pike (SR 0073) over Perkiomen Creek in Perkiomen Twp., Montgomery County
 New Second Street (SR 2060) over Tacony Creek in Cheltenham Twp., Montgomery County

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

		TIP Program Years (\$ 000)																	
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024						
CON	581	0	6,000	0	0	0	0	0	0	0	0	0	0						
Total FY2013-2016		6,000		Total FY2017-2020				0				Total FY2021-2024				0			

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 92310 **Culvert Replacement Group K**

LIMITS Various Locations

Est Let Date: 6/19/2014

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

AQ Code:S19

PLANNING AREA:

DOD:

PROJECT MANAGER: _____ **CMP:** _____

This project includes the replacement of culverts and/or various bridges in critical condition with minimal roadway improvements throughout Bucks County.

- Dublin Pike (SR 0313) over Morris Run, in Hilltown Twp.
- Easton Road (SR 0611) over branch Neshaminy Creek, in Doylestown Twp.
- Aquetong Road (SR 1003) over branch of Aquetong Creek, in Solebury Twp.
- Hulmeville Road (SR2027) over Chubb Run, in Langhorne Manor Borough
- Old Lincoln Highway (SR 2037) over branch Neshaminy Creek, in Bensalem Twp.
- Almshouse Road (SR 2089) over branch Neshaminy Creek, in Warwick Twp.
- Main Street/Bethlehem Pike (SR 4013) over Wertz Creek, in Sellersville Borough
- Rocky Ridge Road (SR 4045) over Branch Tohickon Creek, in Richland Twp.
- Richlandtown Pike (SR 4047) over Cooks Creek, in Springfield Twp.
- State Road (SR 4067) over branch Cooks Creek, in Springfield Twp.

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

		TIP Program Years (\$ 000)											
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	581	0	4,192	0	0	0	0	0	0	0	0	0	0
		Total FY2013-2016				Total FY2017-2020				Total FY2021-2024			
		4,192				0				0			

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 92311 Culvert Replace Group (L)

LIMITS

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES: Various

AQ Code:S19

PLANNING AREA:

DOD:

PROJECT MANAGER: HNTB/NV

CMP:

Funds will be used for the following culvert replacement and the replacement of various bridges in critical condition in Chester, Delaware, and Montgomery Counties:

- Doe Run Road (SR 0082) over branch Sucker Run, in East Fallowfield Twp., Chester County
- Creek Road (SR 0282) over branch Brandywine Creek, in East Brandywine Twp., Chester County
- Bondsville Road (SR 0340) over branch Beaver Creek, in Caln Twp., Chester County
- Whitehorse Road (SR 1003) over branch Pickering Creek, in Schuylkill Twp., Chester County
- Clay Creek Road (SR 3011) over Tributary East branch White Clay Creek, in Franklin Township, Chester County
- MacDade Boulevard (SR 2006) over branch Munckinipattus Creek, in Glenolden Borough, Delaware County
- Second Avenue (SR 4015) over branch of Mingo Creek, in Upper Providence Township, Montgomery County

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

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	581		2,853											
		0	2,853	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			2,853	Total FY2017-2020				0	Total FY2021-2024			0

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 95447 *Local Bridge Line Item*

LIMITS Region-wide

No Let Date

IMPROVEMENT Bridge Repair/Replacement

MUNICIPALITIES:

AQ Code:S19

PLANNING AREA:

DOD:

PROJECT MANAGER:

CMP: Not SOV Capacity Adding

This line item sets aside funding allocated for locally owned bridges that are in need of repair in the DVRPC region. Funds will be broken out and drawn down at the appropriate time.

The funding will be split between 80% State and 20% Local.

Woodland Avenue over SEPTA will be programed with 100% federal funds, for preliminary engineering, final design, and construction (in Later Fiscal Years) to allow SEPTA to manger the project on behalf of the City of Philadelphia.

Anticipate programming and costs of projects include:

Bucks County

-Clymer Avenue Bridge over Mill Creek (MPMS #92872), West Rockhill Township, FY14 FD \$59,000, FY14 CON \$1,194,000. Total cost \$1,253,000. This is a retro-reimbursement project.

-Cook's Creek Bridge (MPMS #98220) in Springfield Township, FY16 PE \$325,000, FY16 FD \$400,000, FY20 ROW \$100,000, FY20 UTL \$60,000, FY22 CON \$2,500,000. Total Cost: \$3,385,000.

-Strock's Grove Road Bridge over Beaver Creek Bridge (MPMS #98221) in Nockamixon Township, FY16 PE \$300,000. FY19 FD \$375,000, FY21 ROW \$90,000, FY22 UTL \$50,000, FY24 CON \$2,000,000. The total cost of this project is \$2,815,000.

Chester County

-Sunnyside Road Bridge over East Penn Railway (MPMS #78521) in Penn Township FY14 FD \$120,000, FY14 ROW \$31,000, FY14 CON \$1,021,000. The total cost of the project is \$1,172,000. This is a retro-reimbursement project;

-Creek Road Bridge over Pickering Creek (MPMS #98223) in Schuylkill Township, FY14 PE \$300,000, FY15 FD \$300,000. FY20 ROW \$75,000, FY22 CON \$1,904,000. The total cost of this project is \$2,579,000.

-Spring City Road over Stony Run (MPMS #98224) in East Pikeland Township, FY15 PE \$300,000, FY18 FD \$200,000, FY20 ROW \$40,000, FY22 CON \$1,400,000. The total cost of this project is \$1,940,000.

Delaware County

-Michigan Avenue over Little Crum Creek (MPMS #98216) in Ridley Township, FY14 PE \$350,000, FY15 FD \$300,000, FY18 ROW \$25,000, FY19 UTL \$25,000, FY21 CON \$900,000 The total cost of this project is \$1,600,000.

-Hilldale Bridge (MPMS #98217) in Lansdowne Borough, FY14 PE \$460,000, FY18 FD \$300,000, FY20 ROW \$40,000, FY21 \$100,000, FY22 CON 1,500,000. The total cost of this project is \$2,400,000.

-Mulford Bridge (MPMS #98218) in Glenolden Borough, FY16 PE \$231,000, FY18 PE \$169,000, FY19 FD \$300,000, FY23 \$40,000, FY23 UTL \$100,000, FY24 CON \$100,000.The total cost of this project is \$1,840,000.

Montgomery County

-Butler Pike over Prophecy Creek (MPMS #98225) in Upper Dublin Township, FY14 PE \$350,000, FY18 FD \$300,000, FY21 ROW \$25,000, FY22 UTL \$50,000, FY24 CON \$850,000. The total cost of this project is \$1,575,000

-Maple Avenue Bridge (MPMS #98226) in Hatfield Township, FY16 FD \$143,000, FY16 CON \$432,000. The total cost of this project is \$575,000. This is a retro-reimbursement project.

-Allendale Road Bridge (MPMS #98227) in Upper Merion Township FY16 FD \$350,000, FY16 CON \$650,000. The total cost of this project is \$1,000,000. This is a retro-reimbursement project.

-Store Road Bridge (MPMS #98228) in Lower Salford Township FY16 PE \$11,000, FY16 FD \$80,000, FY16 CON \$300,000. The total cost of this project is \$391,000. This is a retro-reimbursement project.

City of Philadelphia

-59th Street over Amtrak (MPMS #98229) FY14 PE \$960,000, FY18 FD \$640,000, FY24 CON \$8,000,000. The total cost of this project is \$9,600,000;

-Woodland Avenue over SEPTA (MPMS #98232) FY14 PE of \$480,000, FY15 FD \$320,000, FY18 CON \$952,000, FY19 CON \$2,000,000, FY20 CON \$464,000, FY21 CON \$584,000. The total cost of this project is \$4,800,000.

-Tabor Road over Tacony Creek (MPMS #98230) FY15 PE \$240,000, FY18 FD \$160,000, FY24 CON \$2,000,000. The total cost of this project is \$2,400,000.

TIP Program Years (\$ 000)

Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
CON	183		1,170										

DVRPC FY 2013-2016 TIP for PA

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 96190 *All-Weather Pavement Marking (AWPM) Program - SFY 2012-2013*

LIMITS No Let Date

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES: AQ Code:S6

PLANNING AREA: DOD:

PROJECT MANAGER: **CMP:**

This project is for furnishing and installation of snowplowable raised pavement markers, including a holder with a reflector unit of the type indicated, or permanent, wet-reflective tape at various site locations on highways and ramps in Bucks, Chester, Delaware, Montgomery and Philadelphia counties.

Between 2001 and 2009 PennDOT was legislatively mandated to spend at least \$4 million per year for the installation and maintenance of All-Weather Pavement Markings on interstate highways and other state roadways as determined by PennDOT. Since 2010 there has been no language in the budget regarding the All-Weather Pavement Markings Program. The Bureau of Highway Safety & Traffic Engineering as well as the District desire to continue the AWPM program with an emphasis on a "maintenance first" policy that replaces missing, damaged, or ineffective lenses. Consideration of new AWPM locations will be based on the following prioritized areas: gaps on interstates and freeways, bridge decks greater than 200 feet (where approaches have existing RPM's), median barriers in narrow medians on the NHS, crash cluster areas (state designated highways), severe fog areas and other locations determined by the district.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	STP	380												
CON	STU	40												
		420	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			420	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 96313 *SEPTA GenSet Repower FLEX*

LIMITS System-wide No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various AQ Code:M3

PLANNING AREA: DOD:

PROJECT MANAGER: SEPTA **CMP:**

Operating out of Wayne Junction Yard in the Germantown/Nicetown section of the City of Philadelphia, the locomotive operates throughout SEPTA's five-county service area. Funding will repower the diesel locomotive 51 with a Cummins QSK 19 dual generator set (GenSet) engine. The proposed engine to be repowered, "Locomotive 51," is a switcher style locomotive that is owned and operated by SEPTA. The services performed by this work train are important to the SEPTA system and include the following: maintenance and repair of tracks and catenaries, rail cleaning, rescuing disabled passenger trains, and shop-shifting (moving locomotives in and around maintenance repair shops). GenSet locomotives utilize power more efficiently, consume fuel at lower rates (especially when idling), and can be implemented immediately.

Project was approved as part of the FY 2012 DVRPC CMAQ Competitive Program. Funding will be flexed to the FTA/Transit. Local funds will be provided from MPMS# 60582 - Vehicle Overhaul Program on the Transit Element of the TIP.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	FLEX	1,280												
CON	OTH	320												
		1,600	0	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			1,600	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 97311 *Transportation Community Development Initiative (TCDI) Administration*

LIMITS Region-wide

No Let Date

IMPROVEMENT Other

MUNICIPALITIES: Various

AQ Code:X1

PLANNING AREA:

DOD:

PROJECT MANAGER: DVRPC

CMP: Not SOV Capacity Adding

This project is for the administration of Transportation Community Development Initiative (TCDI) projects in the Pennsylvania Subregion of DVRPC, which includes Bucks, Chester, Delaware, and Montgomery Counties and The City of Philadelphia. The funding will help provide for the planning, analysis, or design initiatives which enhance the regional transportation system.

This project is a breakout of MPMS# 64652.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PRA	TOLL													
PRA	STU	100												
PRA	TOLL													
PRA	STU		100											
		100	100	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			200	Total FY2017-2020				0	Total FY2021-2024			0

MPMS# 99717 *All-Weather Pavement Markings Program 2014*

New

LIMITS

No Let Date

IMPROVEMENT Roadway Rehabilitation

MUNICIPALITIES:

AQ Code:S11

PLANNING AREA:

DOD:

PROJECT MANAGER:

CMP:

The All-Weather Pavement Markings (AWPM) program provides critical, visual guidance to all motorists travelling on Pennsylvania's interstates and freeways. When other pavement markings fail on these roadways, AWPMs provide wet-night reflectivity. The program includes the installation and maintenance of AWPMs on all Interstate highways and other State roadways at locations determined by PennDOT, including Preformed Wet Reflective Striping tape (PWRST), Grooved in Triple Drop durable markings, as well as Recessed Pavement Markings (RPM) (for existing locations only).

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	NHPP		434											
		0	434	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016			434	Total FY2017-2020				0	Total FY2021-2024			0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 102118 *Intersection Safety Implementation Program*

LIMITS Region Wide

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Various

AQ Code:S6

PLANNING AREA:

DOD:

PROJECT MANAGER:

CMP:

Funding will be provided to allow District 6-0 to advertise a design/build project for "Intersection Safety Implementation Plan" (ISIP) to address the top ranked feasible locations within each of five countermeasure categories. The District will identify a typical set of improvements for each of the countermeasures from which the designer will consider and select the most appropriate, obtain PennDOT approval, and implement. Prioritization will involve a dual approach - working down the provided ISIP lists for each category, as well as focusing on ISIP locations that are also within the limits of the 225 District 6-0 locations currently identified on the statewide High Crash List (HCL). A GIS map will be utilized to overlay the ISIP/RSIP (Rural Safety Innovation Program)/HCL locations which will result in the addressing of safety needs on a corridor basis for highest efficiency.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
PE	HSIP		200												
CON	HSIP		1,200												
		0	1,400	0	0	0	0	0	0	0	0	0	0		
Total FY2013-2016		1,400			Total FY2017-2020				0				Total FY2021-2024		0

MPMS# 102119 *Wrong Way Entry Program*

LIMITS Region Wide

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Various

AQ Code:S6

PLANNING AREA:

DOD:

PROJECT MANAGER:

CMP:

Funding for this program will allow District 6-0 to advertise a design/build project for enhanced "WRONG WAY Entry" signing / pavement marking upgrades at 37 District expressway off ramps with high occurrences of wrong way entries. The District will identify a typical set of improvements for each of the ramps from which the designer will consider and select the most appropriate, obtain PennDOT approval, and implement. These types of incidences usually lead to severe consequences, and this project will address the top ranked fatal and major injury crash locations in District 6-0.

		TIP Program Years (\$ 000)													
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024		
CON	HSIP		300												
		0	300	0	0	0	0	0	0	0	0	0	0		
Total FY2013-2016		300			Total FY2017-2020				0				Total FY2021-2024		0

DVRPC FY 2013-2016 TIP for PA

Final Version

Pennsylvania - Highway Program (Status: TIP)

Various

MPMS# 102132 *Roadway Departure Safety Implementation Program*

LIMITS Region Wide

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Various

AQ Code:S6

PLANNING AREA:

DOD:

PROJECT MANAGER:

CMP:

Funding will be provided to allow a District-wide Roadway Departure Implementation Plan (RDIP) to address the top ranked feasible locations within each of the eight countermeasure categories. The District will identify a typical set of improvements for each of the countermeasures from which the designer will consider and select the most appropriate, obtain PennDOT approval, and implement. Prioritization will involve a dual approach - working down the provided RDIP lists for each category, as well as focusing on RDIP locations that are also within the limits of the 225 District 6-0 locations currently identified on the statewide High Crash List.

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
PE	HSIP		200											
CON	HSIP		2,200											
		0	2,400	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016		2,400		Total FY2017-2020			0			Total FY2021-2024		0

MPMS# 102572 *High Friction Surfaces*

New

LIMITS Various high-crash roadway curves in District 6-0

No Let Date

IMPROVEMENT Intersection/Interchange Improvements

MUNICIPALITIES: Various

AQ Code:S2

PLANNING AREA:

DOD:

PROJECT MANAGER: HNTB/N. Velaga

CMP: Not SOV Capacity Adding

This project was selected by District 6-0 Traffic Unit and Bureau of Highway Traffic Safety District and approved for HSIP funding by PennDOT's Central Office Safety Engineering and Risk Management section among a series of low/mid-cost systematic safety improvement projects. High Friction Surface projects were approved based on an analysis of crash locations that have a history of slide-off-the-road crashes. Funds will provide for the installation of high friction surfaces (HFS) (or the highest level of skid resistance) on top of existing roadway to decrease the number of crashes along high crash roadway curves throughout the DVRPC five-county region in Pennsylvania. Applying HFS contributes to vehicular safety by helping motorists maintain better control in dry and wet driving conditions, particularly at locations where they may brake excessively (e.g., when driving around a curve).

		TIP Program Years (\$ 000)												
Phase	Fund	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	
CON	HSIP		2,445											
		0	2,445	0	0	0	0	0	0	0	0	0	0	
		Total FY2013-2016		2,445		Total FY2017-2020			0			Total FY2021-2024		0

Total For Various	2013	2014	2015	2016	2013-2016	2017-2020	2021-2024
	\$62,898	\$65,210	\$46,774	\$59,055	\$233,937	\$329,203	\$601,009