
DVRPC FY 2001 Transportation Improvement Program

for Southwestern New Jersey and Southeastern Pennsylvania



Volume III Pennsylvania Subregion



Delaware Valley Regional Planning Commission

Adopted July 2000

**DVRPC FY 2001
Transportation Improvement Program
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Southeastern Pennsylvania**

**Volume III
Pennsylvania Subregion**



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Created in 1965, the Delaware Valley Regional Planning Commission (DVRPC) is an interstate, intercounty and intercity agency that provides continuing, comprehensive and coordinated planning to shape a vision for the future growth of the Delaware Valley region. The region includes Bucks, Chester, Delaware, and Montgomery counties, as well as the City of Philadelphia, in Pennsylvania; and Burlington, Camden, Gloucester and Mercer counties in New Jersey. DVRPC provides technical assistance and services; conducts high priority studies that respond to the requests and demands of member state and local governments; fosters cooperation among various constituents to forge a consensus on diverse regional issues; determines and meets the needs of the private sector; and practices public outreach efforts to promote two-way communication and public awareness of regional issues and the Commission.



Our logo is adapted from the official DVRPC seal, and is designed as a stylized image of the Delaware Valley. The outer ring symbolizes the region as a whole, while the diagonal bar signifies the Delaware River. The two adjoining crescents represent the Commonwealth of Pennsylvania and the State of New Jersey.

DVRPC is funded by a variety of funding sources including federal grants from the U.S. Department of Transportation's Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), the Pennsylvania and New Jersey departments of transportation, as well as by DVRPC's state and local member governments. The authors, however, are solely responsible for its findings and conclusions, which may not represent the official views or policies of the funding agencies.

FY 2001 Transportation Improvement Program

Volume III Pennsylvania Subregion

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- C. Memorandum of Understanding on Procedures to Amend and Modify the TIP

Project Maps and Lists

Volume III of the FY 2001 Transportation Improvement Program contains project maps, project lists, and the appendices for the Pennsylvania Subregion. The FY 2001 - 2004 TIP for the Pennsylvania subregion contains over 500 projects totaling about \$3.8 billion for the phases to be advanced during the next four years, averaging \$950 million per year. It includes \$1.8 billion in projects primarily addressing the highway system and \$2.0 billion of transit projects for SEPTA, Pottstown Urban Transit, and the Keystone Service. On a statewide basis, the DVRPC program represents approximately 33% of total statewide resources - about 22% of highway and bridge funds, and about 69% of transit funds. The following figures summarize the program.

Figure 1 Cost Summary by County and Transit Operator Pennsylvania Subregion (\$ 000)					
	FY2001	FY2002	FY2003	FY2004	Total
Highway Program					
Bucks	\$69,069	\$34,006	\$102,547	\$78,954	\$284,576
Chester	\$83,403	\$65,675	\$27,452	\$49,646	\$226,176
Delaware	\$17,350	\$26,627	\$35,604	\$25,388	\$104,969
Montgomery	\$93,606	\$134,823	\$162,694	\$138,695	\$529,818
Philadelphia	\$177,133	\$121,044	\$76,860	\$56,635	\$431,672
Various	\$57,857	\$60,769	\$20,455	\$39,880	\$178,961
Subtotal	\$498,418	\$442,944	\$425,612	\$389,198	\$1,756,172
Total Cost - 4 Year Highway Program					\$1,756,172
Transit Program					
Keystone Service	\$17,106	\$17,106	\$17,106	\$17,106	\$68,424
Pottstown	\$1,140	\$1,220	\$1,220	\$1,220	\$4,800
SEPTA	\$524,041	\$453,191	\$459,138	\$466,631	\$1,903,001
Subtotal	\$542,287	\$471,517	\$477,464	\$484,957	\$1,976,225
Total Cost - 4 Year Transit Program					\$1,976,225
Grand Total Cost - 4 Year Highway and Transit Program					\$3,732,397

Figure 2
Cost Summary by Funding Source
Pennsylvania Subregion

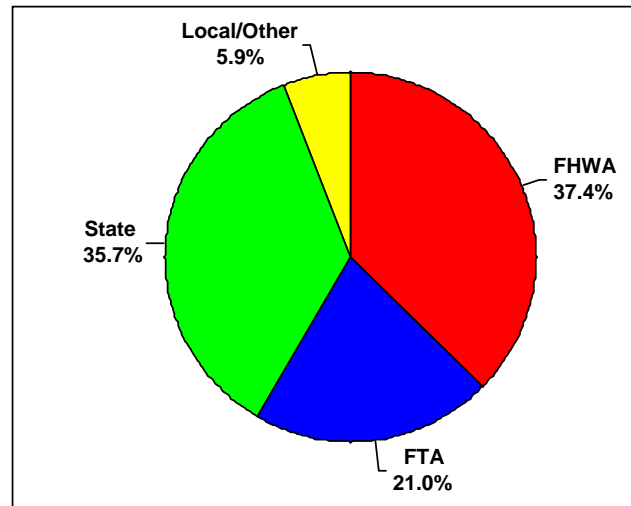
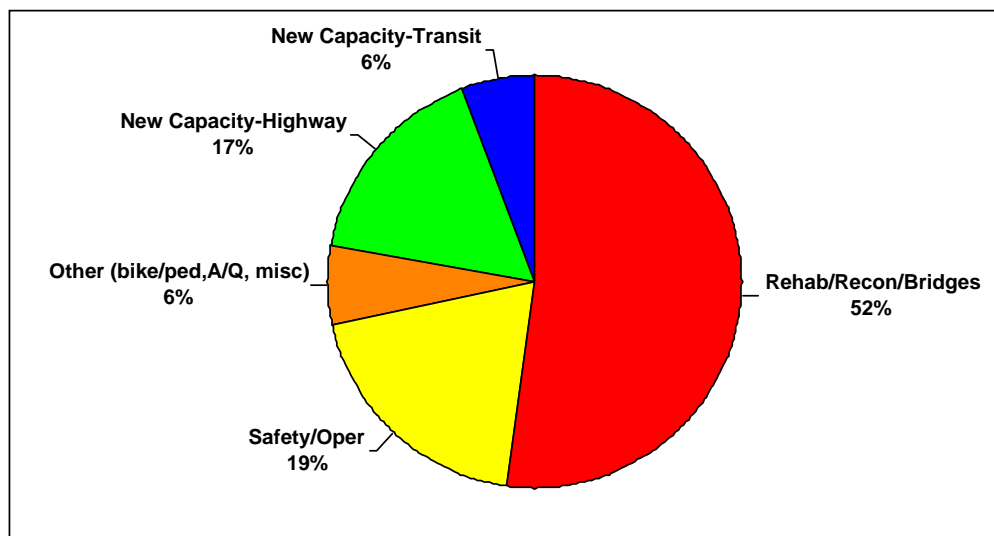


Figure 3
Cost Summary by Project Category
Pennsylvania Subregion



Project Maps

The maps on the following pages show the location of the projects included in the FY 2001-2004 TIP for the Pennsylvania portion of the DVRPC region. Highway projects are shown on individual county maps, while transit projects are shown on a regional map.

The different types of projects, such as intersection improvements, bridge replacements, or new transit facilities, are shown using various colors and symbols. Each map has its own legend.

Certain types of projects, such as roadway landscaping, lease payments for the use of railroad tracks, or preliminary studies, are not able to be mapped. These projects are listed on the appropriate map by their TIP reference number under the heading "TIP Projects not Mapped".

The Internet version of the TIP, found on the DVRPC website at www.dvrpc.org, includes an interactive method for displaying the maps and the project listings.

Project Lists

The project lists are grouped by county and transit operator. The listing includes highway projects for Bucks, Chester, Delaware, Montgomery, and Philadelphia counties, a listing of projects that apply to various counties, and transit projects for PennDOT, Pottstown Urban Transit, and SEPTA.

Within each grouping, individual projects are listed in order of their TIP number and typically include the following information: state DOT project number (MPMS #,) municipalities in which the project is located, air quality code, project location, project description, and project sponsor. Each project listing also provides information on total program period cost, cost by fiscal year, phase of work, and funding source. Costs are shown in thousands of dollars.

Codes and Abbreviations

Various codes and abbreviations are used in the project lists, particularly for the phase of work, the source of funds, and to designate the status of the project for air quality conformity purposes. These codes and abbreviations are explained below.

Phase of Work

PE	Preliminary Engineering
ENG	Engineering
DES	Final Design/Engineering
ROW	Right-of-Way Acquisition
CON	Construction
EC	Final Design/Engineering and Construction
ER	Final Design/Engineering and Right-of-Way Acquisition
ERC	Final Design/Engineering, Right-of-Way Acquisition, and Construction
RC	Right-of-Way Acquisition and Construction
PRD	Project Development/Preliminary Engineering
PLS	Planning Study
PUR	Purchase of Equipment
OP	Operating Subsidy
CAL	Capital Asset Lease
CAP	Capital Asset Construction
DS	Debt Service

Funding Source (Federal unless otherwise noted)

Highway Projects:

FAI	Federal-Aid Interstate Completion
HWY	National Highway System, Surface Transportation Program (STP), Interstate Maintenance (combined federal funding categories)
BR	Federal Bridge Program
STU	STP - Urban Allocation
CMAQ	Congestion Mitigation and Air Quality Program
TE	STP - Transportation Enhancement Program
SFTY	STP - Hazard Elimination, Railroad-Highway Crossing Elimination
DEMO	Special Funding from Congressional Earmarks
STATE	State
ST187	State formula maintenance funds
AC-ST	Advance Construct State Funds
LOCAL	Local
TNPK	Pennsylvania Turnpike Commission
*	An asterisk (*) following a funding code indicates federal funds being converted as reimbursement of a prior Advance Construct state payment

Transit Projects:

FTA-B	FTA Capital Bus Discretionary (Sec. 5309)
FTA-F	FTA Formula Funds (Sec. 5307)
FTA-N	FTA Capital New Starts (Sec. 5309)
FLEX	Federal Highway funds flexed to Transit
ACT3	State Act 3
ACT26	State Act 26
16B2	FTA Elderly/Handicapped
TBOND	State Bond Funds
T-STA	Other State Funds
SEPTA	SEPTA
LOCAL	Local
DEMO	Special Funding from Congressional Earmarks
TTE	Transit Transportation Enhancement
JARC	Job Access Reverse Commute
DPW	Department of Public Welfare

Air Quality Code

The air quality code can be interpreted as follows. An (X) indicates that the project has been determined to be exempt from the conformity analysis according to the Clean Air Act regulations. For non-exempt projects, the first analysis year following the project's opening or projected completion is listed - either 2002, 2005, or 2015/20. The 2015 and 2020 analysis years contain the same set of projects; only the demographic data is different. The letter following the year indicates whether the project was modeled (M) in the regional simulation or if the project was analyzed using an off-model technique (O).

Appendices

Appendices include the (1) Financial Guidance used in developing the program, (2) documentation on the air quality conformity finding, and (3) the Memorandum of Understanding on Procedures to Amend and Modify the TIP.

FY 2001-2004
Transportation Improvement Program
Pennsylvania Subregion

Highway Program

Approved by DVRPC Board on July 27, 2000



Delaware Valley Regional Planning Commission

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 0508 I-95/PA Turnpike Interchange

MPMS# 13347

AQ Code 2015/20M

Bristol Twp.

This is a major Interstate gap completion project which will establish continuity of the Interstate system by joining together I-95 and I-276 in Pennsylvania and facilitate a revised routing of I-95 in Pennsylvania and New Jersey. The project anticipates construction of a full interchange between I-95 and the PA Turnpike, including the relocation of toll plazas, widening I-95 between PA 413 and US 1 from two lanes in each direction to three, and widening the Turnpike between US 1 and US 13 from two lanes in each direction to three.

This is a partnership project of the PA Turnpike, PennDOT and FHWA. A Major Investment Study was completed in 1997. The Draft Environmental Impact Statement is scheduled for mid-2000 and a Record of Decision is anticipated by mid-2001. Until that time, final decisions can not be made for the right-of-way and construction phases, nor will firm cost estimates be available until the completion of the final design.

Though the total project cost has not yet been determined, recent estimates put it at about \$485 million (not including costs that might be associated with the construction of a new bridge or the reconstruction of the existing bridge.) Over \$227 million in Federal Aid Interstate construction funds are reserved for the project. Remaining funds will be provided by the PA Turnpike Commission and through other State and Federal sources.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	FAI	3,300				
PE	TNPK	400				
PE	FAI		5,000			
PE	TNPK		500			
DES	FAI			11,700		
DES	TNPK			1,300		
DES	FAI				1,800	
DES	TNPK				200	
PE	FAI					7,740
PE	TNPK					860
DES	FAI					18,720
DES	TNPK					2,080
ROW	FAI					81,000
ROW	TNPK					9,000
CON	FAI					306,900
CON	TNPK					34,100
Fiscal Year Total		3,700	5,500	13,000	2,000	460,400
			Total FY 01-04 Cost		24,200	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5312 WALNUT STREET (BRIDGE #13)

MPMS# 13248 OVER PERKIOMEN CREEK

061L010 BRIDGE REPLACEMENT

AQ Code X Perkasie Boro.

This narrow two lane bridge with no shoulders will be replaced in kind. The project status is currently in question due to the potential affects of another project around the corner.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR	1,440			
CON	LOCAL	90			
CON	STATE	270			

Fiscal Year Total	1,800	0	0	0	0
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Total FY 01-04 Cost 1,800

TIP# 5354A US 202 EXPRESSWAY (SEC 700) Env & ITS

MPMS# 13484 US 202 BYPASS TO PA 63

061C071

AQ Code X Doylestown, Warrington, Montgomery Twps.

US 202 stretches from Wilmington, Delaware to Bangor, Maine. In the DVRPC region, US 202 covers 61 miles, traversing 27 municipalities. It serves as a major commuter route and is a vital link for business and industry. For planning purposes, US 202 has been divided into eight sections. The limits of Section 700 are from PA 63, Welsh Road to the Doylestown Bypass (US 202/PA 611 Bypass).

The US-202 Expressway will be a four lane divided highway with interchanges at PA 63, PA 309, County Line Rd., Bristol Rd., and PA 611.

This portion of the project includes design coordination and environmental review as well as the design of ITS components.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ			9,000	

Fiscal Year Total	0	0	9,000	0	0
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Total FY 01-04 Cost 9,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5355 US 202 EXPRESSWAY (SECTION 711)

MPMS# 47396 PA 463 TO PICKERTOWN RD.

064698401 PHASE 1, FOUR LANE DIVIDED RELOCATION

AQ Code 2015/20M Montgomery Twp., Warrington Twp.

US 202 stretches from Wilmington, Delaware to Bangor, Maine. In the DVRPC region, US 202 covers 61 miles, traversing 27 municipalities. It serves as a major commuter route and is a vital link for business and industry. For planning purposes, US 202 has been divided into eight sections. The limits of Section 700 are from PA 63, Welsh Road to the Doylestown Bypass (US 202/PA 611 Bypass).

The US-202 Expressway will be a four lane divided highway with interchanges at PA 63, PA 309, County Line Rd., Bristol Rd., and PA 611.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	HWY	12,000				
ROW	STATE	3,000				
CON	HWY			16,000		
CON	STATE			4,000		
CON	HWY				16,000	
CON	STATE				4,000	
CON	HWY					16,000
CON	STATE					4,000
Fiscal Year Total		15,000	0	20,000	20,000	20,000
			Total FY 01-04 Cost		55,000	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5356 US 202 EXPRESSWAY (SECTION 721)
MPMS# 47395 PICKERTOWN RD. TO PA 611 BYPASS
060998400 PHASE I, FOUR LANE DIVIDED RELOCATION
AQ Code 2015/20M Doylestown Boro.

US 202 stretches from Wilmington, Delaware to Bangor, Maine. In the DVRPC region, US 202 covers 61 miles, traversing 27 municipalities. It serves as a major commuter route and is a vital link for business and industry. For planning purposes, US 202 has been divided into eight sections. The limits of Section 700 are from PA 63, Welsh Road to the Doylestown Bypass (US 202/PA 611 Bypass).

The US-202 Expressway will be a four lane divided highway with interchanges at PA 63, PA 309, County Line Rd., Bristol Rd., and PA 611.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	HWY	14,400				
ROW	STATE	3,600				
CON	HWY			16,000		
CON	STATE			4,000		
CON	HWY				14,000	
CON	STATE				3,500	
CON	HWY					12,000
CON	STATE					3,000
Fiscal Year Total		18,000	0	20,000	17,500	15,000
		Total FY 01-04 Cost		55,500		

TIP# 5405 Broad St.
MPMS# 13451 at PA 611 Ramps
061S001L Interchange Improvement
AQ Code 2005M Doylestown Twp.

This project will complete the interchange by adding a southbound entrance ramp from Broad St. to the PA 611 Bypass and a northbound entrance ramp from the PA 611 Bypass to Broad St.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	DEMO*	301				
CON	STAT*	75				
CON	DEMO*		318			
CON	STAT*		80			
CON	DEMO*			302		
CON	STAT*			75		
Fiscal Year Total		376	398	377	0	0
		Total FY 01-04 Cost		1,151		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5493 GEIGEL HILL ROAD

MPMS# 13167 OVER TINICUM CREEK

061C016 BRIDGE REPLACEMENT

AQ Code X Tinicum Twp.

This project involves replacing the existing one and a half lane bridge with a two lane bridge with shoulders, and drainage improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	STATE	125			
CON	STATE			1,000	

Fiscal Year Total	125	0	1,000	0	0
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Total FY 01-04 Cost 1,125

TIP# 5528 POINT PLEASANT PIKE

MPMS# 13245 OVER PENNSYLVANIA CANAL

061C080 BRIDGE REPLACEMENT

AQ Code X Tinicum Twp.

This one lane historic bridge will be rehabilitated. The intent is to retain the bridge's historic integrity.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	STATE	150			
CON	STATE		900		

Fiscal Year Total	150	900	0	0	0
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Total FY 01-04 Cost 1,050

TIP# 5529 ALLENTOWN ROAD

MPMS# 13237 OVER UNAMI CREEK

061C075 BRIDGE REPLACEMENT

AQ Code X Milford Twp.

Replace the existing bridge. The new structure will be 35' wide, with two lanes and shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	STATE			1,300	

Fiscal Year Total	0	0	1,300	0	0
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Total FY 01-04 Cost 1,300

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5533 PA 332, RICHBORO ROAD
MPMS# 13357 OVER NESHAMINY CREEK
061C200 BRIDGE REPLACEMENT
AQ Code X Newtown Twp., Northampton Twp.

The existing two lane bridge with shoulders will be replaced in kind.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR	80			
ROW	STATE	20			
CON	BR			3,360	
CON	STATE			840	

Fiscal Year Total 100 0 4,200 0 0

Total FY 01-04 Cost 4,300

TIP# 5536 PA 611, EASTON ROAD
MPMS# 13337 2 BRIDGES OVER GALLOWS RUN
061C074 BRIDGE REHABILITATION & BRIDGE REMOVAL
AQ Code X Nockamixon Twp.

Consolidate two bridges over the "Y" intersection of Easton Rd. and River Rd. into one bridge and realign one leg of the intersection.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	STATE		250		
CON	STATE				1,500

Fiscal Year Total 0 250 0 1,500 0

Total FY 01-04 Cost 1,750

TIP# 5560 CALLOWHILL ROAD
MPMS# 12942 OVER NORTH BRANCH OF NESHAMINY CREEK
061C083 BRIDGE REPLACEMENT
AQ Code X New Britain Twp.

Replace the existing two lane, 20' wide bridge and eliminate a dip in the roadway by raising the base. The new structure will have two 13' lanes with 4' shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR	40			
ROW	STATE	10			
CON	BR			960	
CON	STATE			240	

Fiscal Year Total 50 0 1,200 0 0

Total FY 01-04 Cost 1,250

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5582 WOODBOURNE ROAD

MPMS# 13452 AT LANGHORNE-YARDLEY ROAD

061S002L INTERSECTION IMPROVEMENTS, TURN LANES

AQ Code X Middletown Twp.

Add left turn lanes on all approaches.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	STATE	75			
ROW	STU	225			
CON	STATE			200	
CON	STU			800	

Fiscal Year Total	300	0	1,000	0	0
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Total FY 01-04 Cost 1,300

TIP# 5588 OLD BETHLEHEM ROAD

MPMS# 13240 OVER KIMPLES CREEK

061C076 BRIDGE REPLACEMENT

AQ Code X Haycock Twp.

Replace the existing 16' wide bridge with a 30' wide bridge with two 11' lanes and 4' shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	BR	80			
DES	STATE	20			
PE	BR	80			
PE	STATE	20			
ROW	BR	80			
ROW	STATE	20			
CON	BR		831		
CON	STATE		208		

Fiscal Year Total	300	1,039	0	0	0
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Total FY 01-04 Cost 1,339

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5603 PA 32, RIVER ROAD

MPMS# 13438 OVER PAUNNACUSSING CREEK

061C078 BRIDGE REPLACEMENT

AQ Code X Solebury Twp.

Replace the existing one lane, 15' wide bridge. The new structure will be two lanes with shoulders (26' wide). The bridge and approach roadway will also be realigned to improve the intersection with Fleecydale Rd., located 50' north of the bridge.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR	40			
ROW	STATE	10			
CON	BR			800	
CON	STATE			200	

Fiscal Year Total 50 0 1,000 0 0

Total FY 01-04 Cost 1,050

TIP# 5615 STONY HILL ROAD

MPMS# 13501 HEACOCK RD. TO OXFORD VALLEY RD

061M042A REALIGN CURVE

AQ Code X Lower Makefield Twp.

This project will eliminate a substandard curve. It involves widening to provide 8' wide minimum shoulders on both sides of the street, right turn lanes as needed into adjacent developments, and a sidewalk/bikeway on the north side of the street. Curbing will also be installed on both sides of the street for drainage.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	LOCAL	130			
ROW	STU	520			
CON	STATE				500
CON	STU				2,000

Fiscal Year Total 650 0 0 2,500 0

Total FY 01-04 Cost 3,150

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5646 US 202

MPMS# 13609 US 202 BYPASS TO PA 313 (SWAMP ROAD)

061S201S CONSTRUCT LEFT TURN LANE

AQ Code 2002M Doylestown Twp., Doylestown Boro.

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

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY		3,763			
CON	STATE		941			
Fiscal Year Total		0	4,704	0	0	0
		Total FY 01-04 Cost		4,704		

TIP# 5647 PA 263, OLD YORK ROAD

MPMS# 13613 AT ALMSHOUSE ROAD

061S233S INTERSECTION IMPROVEMENT

AQ Code X Warwick Twp.

Reconstruct the shoulders and widen to accommodate left turn lanes on all approaches.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY*	1,736				
CON	STAT*	193				
Fiscal Year Total		1,929	0	0	0	0
		Total FY 01-04 Cost		1,929		

TIP# 5650 PA 332, JACKSONVILLE ROAD

MPMS# 13578 AT PA 132, STREET ROAD

061S244F INTERSECTION AND SIGNAL IMPROVEMENTS

AQ Code X Warminster Twp.

Upgrade the existing traffic signals and widen Street Rd. from 45 feet to 60 feet.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	HWY	401				
ROW	STATE	100				
CON	STATE		348			
CON	STU		1,392			
Fiscal Year Total		501	1,740	0	0	0
		Total FY 01-04 Cost		2,241		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5651 PA 413, NEW RODGERS ROAD
MPMS# 13576 OLD LINCOLN HIGHWAY TO BATH RD.
061S246M CORRIDOR IMPROVEMENT
AQ Code 2005M Middletown Twp., Bristol Twp.

Widen 4 feet on each side to accommodate a third center lane for left turns.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	HWY	120			
ROW	STATE	30			
CON	HWY			5,824	
CON	STATE			1,456	

Fiscal Year Total 150 0 7,280 0 0

Total FY 01-04 Cost 7,430

TIP# 5653 PA 413, NEWTOWN PIKE
MPMS# 13596 PA 332 (NEWTOWN BYPASS) - WINCHESTER AV.
061M013A RESTORATION
AQ Code X Middletown Twp., Langhorne Boro.

This project includes drainage improvements, overlay, and minor widening (about 1') of the shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	ST187				360
CON	STU				1,440

Fiscal Year Total 0 0 0 1,800 0

Total FY 01-04 Cost 1,800

TIP# 5663 PA 413/PA 532, NEWTOWN BYPASS
MPMS# 13637 AT 332 (RICHBORO RD) AND 532 (BUCK ROAD)
061L820 2 INTERSECTION IMP. DUAL LEFT TRN. LANES
AQ Code X Newtown Twp.

This project involves intersection widening to accommodate dual left turn lanes on northbound PA 413 at Richboro Rd. and Buck Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	STATE	500			
CON	STU	2,000			

Fiscal Year Total 2,500 0 0 0 0

Total FY 01-04 Cost 2,500

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5669 I-95, DELAWARE EXPRESSWAY

MPMS# 13518 AT PA 332 (NEWTOWN YARDLEY RD.) - INTER-
061C030 CHANGE UPGRADE(TRENTON URBAN AREA FUNDS)
AQ Code X Lower Makefield Twp.

Construct a new ramp from PA 332 eastbound to I-95 northbound and relocate the existing I-95 northbound off-ramp to PA 332.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ENG	STATE	60			
ENG	STU	240			
ROW	DEMO			276	
ROW	STATE			69	
CON	DEMO				1,224
CON	STATE				832
CON	STU				2,105

Fiscal Year Total	300	0	345	4,161	0
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Total FY 01-04 Cost 4,806

TIP# 5673 FOREST GROVE ROAD

MPMS# 13064 OVER MILL CREEK
061C201 BRIDGE REPLACEMENT
AQ Code X Buckingham Twp.

Replace the existing two lane, 18' wide bridge with a 24' wide bridge with two 10' lanes and 2' shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR		1,280		
CON	STATE		320		

Fiscal Year Total	0	1,600	0	0	0
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Total FY 01-04 Cost 1,600

TIP# 5675 BRISTOL ROAD INTERSECTION IMPROVEMENTS

MPMS# 13727 PA 513(HULMEVILLE RD) TO OLD LINCOLN HWY
061S0004 SIGNALIZE & ADD TURN LANES AT 7 INTER.
AQ Code 2002M Bensalem Twp.

Upgrade and interconnect the traffic signals with a closed loop system and add a center left turn lane.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	STATE		450		
CON	STU		1,800		

Fiscal Year Total	0	2,250	0	0	0
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Total FY 01-04 Cost 2,250

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5684 US 1

MPMS# 13549 PA 413 - PA Turnpike

061C103 Bridge Deck Rehabilitation

AQ Code X Bensalem Twp., Middletown Twp.

This project consists of bridge deck rehabilitation to about eight structures and interchange upgrades.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	460				
DES	STU	1,840				
ROW	STATE			50		
ROW	STU			200		
CON	STATE					1,900
CON	STU					7,600
Fiscal Year Total		2,300	0	250	0	9,500
		Total FY 01-04 Cost			2,550	

TIP# 5692 DARK HOLLOW ROAD/TOHICKN CREEK

MPMS# 12959 AT STOVER PARK

061C065 BRIDGE REPLACEMENT

AQ Code X Bedminster Twp.

Replace the existing bridge with a 28' wide bridge.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	STATE	200				
CON	STATE				1,200	
Fiscal Year Total		200	0	0	1,200	0
		Total FY 01-04 Cost			1,400	

TIP# 5699 US 13, BRISTOL PIKE

MPMS# 13745 PA TURNPIKE TO BUCKS COUNTY LINE

061M5406 ARTERIAL IMP. ASSOCIATED W/ I-95

AQ Code 2002M Bensalem Twp., Bristol Twp.

This project involves installing a closed loop traffic signal system for approximately 16 intersections within the project limits. The improvement is intended to help accommodate the additional traffic that is anticipated during the rehabilitation of I-95.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	CMAQ	1,960				
Fiscal Year Total		1,960	0	0	0	0
		Total FY 01-04 Cost			1,960	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5700 DARK HOLLOW ROAD

MPMS# 12982 OVER NESHAMINY CREEK

061C085 BRIDGE REPLACEMENT (PEDESTRIAN BRIDGE)

AQ Code X Buckingham Twp.

This bridge is currently closed to traffic and will be removed.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	STATE	200				
ROW	STATE		30			
CON	STATE				815	
Fiscal Year Total		200	30	0	815	0
		Total FY 01-04 Cost			1,045	

TIP# 5701 STONEY BRIDGE ROAD

MPMS# 13249 OVER DEEP RUN

061L063 BRIDGE REPLACEMENT

AQ Code X Bedminster Twp.

The existing two lane bridge with no shoulders will be replaced with a two lane bridge with shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR	56				
ROW	LOCAL	3				
ROW	STATE	11				
CON	BR			334		
CON	LOCAL			21		
CON	STATE			63		
Fiscal Year Total		70	0	418	0	0
		Total FY 01-04 Cost			488	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5702 PICKERTOWN ROAD

MPMS# 13671 OVER MILL CREEK

061L064 BRIDGE REPLACEMENT

AQ Code X Warrington Twp.

The existing two lane bridge will be replaced with a two lane, 26' to 28' wide bridge with shoulders. A minor realignment of the horizontal curve will also be made.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	LOCAL	10			
ROW	STATE	40			
CON	LOCAL			83	
CON	STATE			332	

Fiscal Year Total	50	0	415	0	0
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Total FY 01-04 Cost 465

TIP# 5709 Church Hill Rd.

MPMS# 13685 over Branch of Gallows Run

Bridge Rehabilitation

AQ Code X Nockamixon Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	STATE		50		
CON	STATE				750

Fiscal Year Total	0	50	0	750	0
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Total FY 01-04 Cost 800

TIP# 5710 Hulmeville Ave.

MPMS# 13606 over Conrail

Bridge Replacement

AQ Code X Middletown Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	BR	640			
DES	STATE	160			
ROW	BR		640		
ROW	STATE		160		
CON	BR			3,200	
CON	STATE			800	

Fiscal Year Total	800	800	4,000	0	0
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Total FY 01-04 Cost 5,600

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5711 Allentown Rd. and PA 663
MPMS# 13440 over Licking Creek
Bridge Replacement (2 bridges)
AQ Code X Milford Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	1,000				
ROW	STATE				100	
CON	BR					3,600
CON	STATE					900
Fiscal Year Total		1,000	0	0	100	4,500
		Total FY 01-04 Cost			1,100	

TIP# 5713 US 13, Bristol Pike
MPMS# 13760 Levittown Pkwy. - Yardley-Morrisville Rd
061M4003 Preventive Maintenance
AQ Code X Falls Twp.

This project consists of restoration (3R) of the pavement and shoulder.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	ST187		4,500			
Fiscal Year Total		0	4,500	0	0	0
		Total FY 01-04 Cost			4,500	

TIP# 5714 Easton Rd.
MPMS# 13552 over Deep Run Creek
Bridge Deck Rehabilitation (3 bridges)
AQ Code X Bedminster Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	STATE		250			
CON	BR				4,960	
CON	STATE				1,240	
Fiscal Year Total		0	250	0	6,200	0
		Total FY 01-04 Cost			6,450	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5715 Oxford Valley Rd.

MPMS# 13635 at US 1 Bus./Lincoln Hwy/Levittown Pky.

061S599S Intersection Improvement

AQ Code X Falls Twp., Middletown Twp.

Intersection improvements, including the addition of turn lanes and the realignment of Levittown Parkway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	STATE	420				
ROW	STU	1,680				
CON	STATE		851			
CON	STU		3,405			
Fiscal Year Total		2,100	4,256	0	0	0
			Total FY 01-04 Cost	6,356		

TIP# 5716 Oxford Valley Rd.

MPMS# 13454 at US 1 Ramps

88403 Interchange Improvements

AQ Code X Falls Twp., Middletown Twp., Lower Makefield Twp.

This project includes the addition of turn lanes and other safety improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	DEMO*	270				
CON	STAT*	68				
CON	DEMO*		285			
CON	STAT*		71			
CON	DEMO*			285		
CON	STAT*			71		
Fiscal Year Total		338	356	356	0	0
			Total FY 01-04 Cost	1,050		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5717 *Red Hill Rd.*

MPMS# 13164 over Branch of Tinicum Creek

Bridge Replacement

AQ Code X Tinicum Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR	40			
ROW	STATE	10			
CON	BR			240	
CON	STATE			60	

Fiscal Year Total 50 0 300 0 0

Total FY 01-04 Cost 350

TIP# 5718 *Lehnenberg Rd.*

MPMS# 13341 over Tributary of Delaware River

Bridge Replacements (2 bridges)

AQ Code X Durham Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR		48		
ROW	STATE		12		
CON	BR			464	
CON	STATE			116	

Fiscal Year Total 0 60 580 0 0

Total FY 01-04 Cost 640

TIP# 5719 *Pineville Rd.*

MPMS# 13242 over Pidcock Creek

Bridge Replacement

AQ Code X Buckingham Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	STATE	200			
ROW	STATE			50	
CON	STATE				600

Fiscal Year Total 200 0 50 600 0

Total FY 01-04 Cost 850

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5720 *Taylorsville Rd.*
MPMS# 13720 over Tributary of Delaware River
Bridge Replacement
AQ Code X Upper Makefield Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	200				
ROW	STATE			80		
CON	STATE				1,000	
Fiscal Year Total		200	0	80	1,000	0
		Total FY 01-04 Cost			1,280	

TIP# 5721 *River Rd.*
MPMS# 13235 over Pennsylvania Canal
Bridge Replacement
AQ Code X Upper Makefield Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	200				
ROW	STATE			50		
CON	STATE				650	
Fiscal Year Total		200	0	50	650	0
		Total FY 01-04 Cost			900	

TIP# 5722 *Atkinson Rd.*
MPMS# 13294 over Pidcock Creek
Bridge Replacement
AQ Code X Solebury Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL		2			
ROW	STATE		8			
CON	LOCAL			98		
CON	STATE			392		
Fiscal Year Total		0	10	490	0	0
		Total FY 01-04 Cost			500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5723 *Jugtown Hill Rd.*
MPMS# 13661 over Pennsylvania Canal
Bridge Replacement
AQ Code X Tinicum Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL		2			
ROW	STATE		8			
CON	LOCAL			98		
CON	STATE			392		
Fiscal Year Total		0	10	490	0	0
Total FY 01-04 Cost					500	

TIP# 5724 *Rickert Rd.*
MPMS# 13296 over Morris Run Creek
Bridge Replacement
AQ Code X Hilltown Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL	2				
ROW	STATE	8				
CON	LOCAL		98			
CON	STATE		392			
Fiscal Year Total		10	490	0	0	0
Total FY 01-04 Cost					500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5725 Oxford Valley Rd.
MPMS# 47974 Lincoln Highway - US 1

AQ Code 2015/20M Falls Twp.

This road is currently two lanes in each direction. Potential safety improvements include the addition of a center turn lane or turn lanes at intersections.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE		290			
DES	STU		1,160			
ROW	STATE			40		
ROW	STU			160		
CON	STATE					1,290
CON	STU					5,160
Fiscal Year Total		0	1,450	200	0	6,450
		Total FY 01-04 Cost		1,650		

TIP# 5726 US 1, Business
MPMS# 47975 Hulmeville Rd. to Oxford Valley Rd.
Closed Loop Signal Interconnection
AQ Code 2005M Middletown Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	CMAQ	86				
ROW	LOCAL	22				
CON	CMAQ			281		
CON	LOCAL			70		
Fiscal Year Total		108	0	351	0	0
		Total FY 01-04 Cost		459		

TIP# 5727 Bridgeton Hill Rd.
MPMS# 13360 over Pennsylvania Canal
Bridge Replacement
AQ Code X Bridgeton Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	STATE		80			
CON	STATE				1,200	
Fiscal Year Total		0	80	0	1,200	0
		Total FY 01-04 Cost		1,280		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5728 PA Turnpike

MPMS# 47131 at PA 13 Interchange

AQ Code X Safety Improvements

Bristol Twp.

Provide interim safety improvements with regard to truck traffic. Study potential for long term improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	DEMO	56				
DES	LOCAL	14				
ROW	DEMO			75		
ROW	LOCAL			19		
CON	DEMO				244	
CON	LOCAL				61	
Fiscal Year Total		70	0	94	305	0
Total FY 01-04 Cost					469	

TIP# 5729 I-95

MPMS# 46948 at Street Rd. Interchange

061C700 Study

AQ Code X Bensalem Twp.

This interchange functions poorly - vehicles queue on the ramps, back-ups occur on I-95, and the signals are problematic. Study problems and determine appropriate solutions. Eventually replace bridge over I-95.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	DEMO*	417				
PE	STAT*	104				
DES	BR			1,800		
DES	STATE			475		
DES	STU			225		
ROW	STATE				150	
ROW	STU				1,350	
CON	BR					14,400
CON	STATE					3,800
CON	STU					1,800
Fiscal Year Total		521	0	2,500	1,500	20,000
Total FY 01-04 Cost					4,521	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5730 Lower Bucks Park and Ride Lots

MPMS# 13508 Woodbourne and Philmont

AQ Code 20050 Bensalem Twp., Yardley Boro., Middletown Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	DEMO*	203				
CON	STAT*	51				
CON	DEMO*		214			
CON	STAT*		54			
CON	DEMO*			203		
CON	STAT*			51		
Fiscal Year Total		254	268	254	0	0
Total FY 01-04 Cost					776	

TIP# 5731 Pond St.

MPMS# 13754 over Delaware Canal

Bridge Replacement

AQ Code X Bristol Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL	5				
ROW	STATE	20				
CON	LOCAL			138		
CON	STATE			552		
Fiscal Year Total		25	0	690	0	0
Total FY 01-04 Cost					715	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5732 *Bristol Road Extension*

MPMS# 12923 US 202 to Park Ave.

Two Lane Extension

AQ Code 2005M Chalfont Boro., New Britain Boro., New Britain Twp.

Provide a two lane extension of Bristol Rd. (approximately 2000 ft.) from US 202 to Park Ave. When completed, this improvement will provide a two-lane bypass around Chalfont Borough which will eliminate trips on US 202 and turning movements at the US 202/PA 152 intersection.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE			100		
ROW	STATE			10		
CON	STATE					3,390
Fiscal Year Total		0	0	110	0	3,390
		Total FY 01-04 Cost		110		

TIP# 5733 *Lawn Avenue*

MPMS# 12965 Maple Ave. to Farmers Lane

Reconstruction

AQ Code X Sellersville Boro., West Rockhill Twp.

Reconstruct roadway, curbs, sidewalks, and drainage facilities.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	60				
DES	STU	240				
CON	STATE				280	
CON	STU				1,120	
Fiscal Year Total		300	0	0	1,400	0
		Total FY 01-04 Cost		1,700		

TIP# 5734 *Portzer Road Connector*

MPMS# 49315

AQ Code X Milford Twp., Quakertown Boro., Richland Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	900				
ROW	STATE			500		
CON	STATE					6,000
Fiscal Year Total		900	0	500	0	6,000
		Total FY 01-04 Cost		1,400		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5736 Falls Township Community Connector

MPMS# 50517 Trail System

AQ Code X Falls Twp.

Construction of a 2.5 mile, 8-foot wide pedestrian/bicycle trail system providing a direct link between the residential communities of Levittown, Wheatshaf, and several mobile home parks to the Falls Township Community Park and the Delaware Canal State Park Towpath. Pedestrian enhancements along the trail include pedestrian signals, educational push button signs, high-visibility pavement markings, and warning signs for motorists. A small bridge along Penn Valley Rd. over Martins Creek and a retaining wall along Mill Creek Rd. at the US 13 underpass will also be built as part of the project.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	LOCAL	213				
ERC	TE			850		
Fiscal Year Total		213	0	850	0	0
Total FY 01-04 Cost					1,063	

TIP# 5738 Silver Lake Nature Center Trail System

MPMS# 57236

AQ Code X Bristol Twp.

This project will replace 636 feet of existing pressure treated wood boardwalks and install 764 feet of new boardwalks with recycled plastic products. The project also includes the development of trail entrances and signs to entice and educate visitors.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	LOCAL	50				
ERC	RecTr			145		
Fiscal Year Total		50	0	145	0	0
Total FY 01-04 Cost					195	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5739 Yellow Trail Equestrian/Pedestrian Trail

MPMS# 57238

AQ Code X

Nockamixon Twp.

The Bucks County Horse Park, Inc., a Not-for-Profit Corporation, has an existing trail system of about 25 miles. This project involves resurfacing 6 miles of the 8 mile Yellow Trail, eight feet in width. It will be a multi-purpose trail, accomodating bicycling, walking, cross-country skiing, and horsback riding.

This project was selected by PA DCNR as part of its Recreational Trails program (outside of the DVRPC TIP development process) and is listed in the TIP because it uses federal transportation funding.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	LOCAL	13				
ERC	RecTr			20		
Fiscal Year Total		13	0	20	0	0
Total FY 01-04 Cost					33	

TIP# 5740 Yardley Borough/Lower Makefield Township

MPMS# 57324 Pedestrian Bikeway Interconnect Project

AQ Code X

Yardley Boro., Lower Makefield Twp.

This project consists of road improvements for bicycle facilities on Newtown Yardley Road (PA 332).

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ	60				
DES	LOCAL	15				
ROW	CMAQ			64		
ROW	LOCAL			16		
CON	CMAQ				379	
CON	LOCAL				85	
Fiscal Year Total		75	0	80	464	0
Total FY 01-04 Cost					619	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5741 Lower Makefield Township

MPMS# 57326 Pedestrian/Bikepath Facilities

AQ Code X Lower Makefield Twp.

This project consists of road improvements for bicycle facilities on Oxford Valley Rd., Edgewood Rd., and Yardley-Morrisville Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ	132				
DES	LOCAL	33				
ROW	CMAQ			128		
ROW	LOCAL			32		
CON	CMAQ				1,040	
CON	LOCAL				260	
Fiscal Year Total		165	0	160	1,300	0
		Total FY 01-04 Cost			1,625	

TIP# 5743 Old Route 13 Improvement Project

MPMS# 61682

AQ Code X Bristol Boro.

Removal of rail tracks, installation of streetscape improvements, and construction of pedestrian trail along .5 mile segment.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	75				
PE	LOCAL	25				
ROW	LOCAL		50			
CON	TE				750	
Fiscal Year Total		100	50	0	750	0
		Total FY 01-04 Cost			900	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5744 Wycombe Train Station Restoration

MPMS# 61685

AQ Code X

Buckingham Twp., Wrightstown Twp.

Purchase and restoration of historic rail station for passenger excursion service.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	30				
ROW	LOCAL			10		
ROW	TE			40		
CON	LOCAL				12	
CON	TE				168	
Fiscal Year Total		30	0	50	180	0
		Total FY 01-04 Cost			260	

TIP# 5745 Destination Doylestown

MPMS# 61686

AQ Code X

Doylestown Twp., Doylestown Boro.

Construction of 1.5 mile asphalt sidepath, 6-10' wide, connecting Delaware Valley Community College, Doylestown Transportation Center, and existing pathway system.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	85				
PE	LOCAL	15				
CON	TE			400		
Fiscal Year Total		100	0	400	0	0
		Total FY 01-04 Cost			500	

TIP# 5746 Quakertown Train Station Restoration

MPMS# 61687

AQ Code X

Restoration and replacement of major building systems of historic train station.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	149				
CON	TE			594		
Fiscal Year Total		149	0	594	0	0
		Total FY 01-04 Cost			743	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5747 Woodbourne/Oxford Valley Mall

MPMS# 59298 Circulator Project (Q08)

AQ Code 2002O Middletown Twp.

Provide for the third party operation of a small bus circulator to provide access from the expanded Woodbourne station to retail, restaurant, hotel, and hospital employment areas which are not currently served by transit. Proposed schedule is Monday through Saturday from 6:30 a.m. to 10:30 p.m., operating on an hourly basis. (3-year demonstration project.)

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
OP	CMAQ	232				
OP	LOCAL	58				
Fiscal Year Total		290	0	0	0	0
		Total FY 01-04 Cost		290		

TIP# 5748 Pleasant Spring Path (Q34)

MPMS# 58127

AQ Code X Perkasio Boro.

Construct a ten foot wide bicycle and pedestrian trail along the Pleasant Spring Creek, connecting an existing intermunicipal path with another existing path abutting the neighboring township.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	23				
ROW	LOCAL		11			
CON	CMAQ			141		
CON	LOCAL			49		
CON	RecTr			100		
Fiscal Year Total		23	11	290	0	0
		Total FY 01-04 Cost		324		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5749 *Galloway Rd.*

MPMS# 57617 Hulmeville Rd. to Bridgewater Rd.

Road Extension

AQ Code 2015/20M Bensalem Twp.

Provide a new 3-lane roadway from the intersection of Galloway Road & Hulmeville Road to the intersection of Bridgewater Road & Byberry Road. Also, provide improvements to the existing traffic signals at each end of the project.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	306				
PE	LOCAL	34				
ROW	LOCAL		350			
CON	STATE					1,765
Fiscal Year Total		340	350	0	0	1,765
		Total FY 01-04 Cost		690		

TIP# 5750 *Route 313*

MPMS# 57619 Ferry Rd. to Broad St.

Corridor Improvements

AQ Code 2015/20M Doylestown, Hilltown, New Britain, Plumstead Twps.

Provide turning lanes on Route 313 at Ferry Road and provide truck climbing lane on Route 313 from Curley Hill Road to Broad Street.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE		200			
DES	STATE			300		
ROW	STATE				600	
CON	STATE					2,065
Fiscal Year Total		0	200	300	600	2,065
		Total FY 01-04 Cost		1,100		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5751 *Lincoln Highway*

MPMS# 57620 Oxford Valley Rd. to Tyburn Rd.

Corridor Improvements

AQ Code 2015/20M Falls Twp.

Provide center left turn lane areas and/or median barriers, upgraded traffic signals, access management.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	300				
PE	LOCAL	150				
ROW	LOCAL			50		
CON	HWY					3,040
CON	STATE					760
Fiscal Year Total		450	0	50	0	3,800
		Total FY 01-04 Cost			500	

TIP# 5752 *County Line Rd.*

MPMS# 57623 US 202 to Upper State Rd.

Widening

AQ Code 2015/20M New Britain Twp., Montgomery Twp.

Widen roadway to four lanes, five lanes at intersection to accommodate turning movements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE		200			
DES	STATE				300	
CON	STATE					2,900
Fiscal Year Total		0	200	0	300	2,900
		Total FY 01-04 Cost			500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5753 Woodbourne Rd. and Lincoln Highway

MPMS# 57624

AQ Code X

Intersection Improvements
Middletown Twp.

Widening of both intersections to provide additional through lanes on Woodbourne Road, dual left turn lanes on East Lincoln Highway, right turn lanes on Old Lincoln Highway and traffic signal upgrades.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	104				
DES	LOCAL		210			
ROW	STATE				450	
CON	FED					1,663
CON	STATE					415
Fiscal Year Total		104	210	0	450	2,078
			Total FY 01-04 Cost		764	

TIP# 5754 Route 232

MPMS# 57625 Neshaminy Creek to PECO Right-of-Way

AQ Code X

Corridor Improvements
Wrightstown Twp.

Upgrade Route 232/Swamp Road intersection, provide signalization, provide truck climbing lane and realign curve in roadway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE		150			
DES	STATE			200		
CON	STATE					1,600
ROW	STATE					525
Fiscal Year Total		0	150	200	0	2,125
			Total FY 01-04 Cost		350	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5755 *Trenton Rd.*

MPMS# 57626 at Bristol-Oxford Rd.

Intersection Improvements

AQ Code X Falls Twp., Middletown Twp.

Widening of Trenton Road to provide left turn, channelization improvements on Bristol-Oxford Valley Road, traffic signal installation.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	45				
PE	LOCAL	21				
ROW	STATE			100		
CON	STATE					433
Fiscal Year Total		66	0	100	0	433
		Total FY 01-04 Cost			166	

TIP# 5756 *East and West Pumping Station Rd.*

MPMS# 57627 at California Rd.

Realignment

AQ Code X Richland Twp.

Realign Pumping Station Road so Pumping Station Road intersects with California Road in a four-leg intersection.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE		300			
CON	STATE					955
ROW	STATE					261
Fiscal Year Total		0	300	0	0	1,216
		Total FY 01-04 Cost			300	

TIP# 5757 *Sycamore St.*

MPMS# 57628 Newtown Bypass to Durham Rd.

Rehabilitation

AQ Code X Newtown Twp.

Reconstruction of Sycamore Street to include new drainage, pavement, signals and curbing.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	80				
DES	LOCAL		120			
CON	HWY			2,400		
CON	LOCAL			600		
Fiscal Year Total		80	120	3,000	0	0
		Total FY 01-04 Cost			3,200	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5758 County Line Rd.

MPMS# 57629 Bustleton Pike to Philmont Ave.

Extension

AQ Code 2015/20M Lower Southampton Twp., Philadelphia

Provide a new roadway from Bustleton Pike to Philmont Avenue.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	250				
DES	STATE		250			
CON	STATE			2,000		
ROW	STATE			250		
Fiscal Year Total		250	250	2,250	0	0
		Total FY 01-04 Cost			2,750	

TIP# 5759 PA 263, York Rd. Center Turn Lane

MPMS# 12782 btw. County Line Rd. & Henry Ave. and

btw. Roberts Rd. & Bristol Rd.

AQ Code 2005M Warminster Twp.

Provide center left turn lane areas and/or median barriers.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	200				
PE	LOCAL	125				
CON	STATE				2,700	
Fiscal Year Total		325	0	0	2,700	0
		Total FY 01-04 Cost			3,025	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5760 Quakertown Joint Closed Loop

MPMS# 57635 Signal System

AQ Code 2005M

Quakertown Borough, Richland Twp.

Installation of a straight-forward closed loop system for Route 309, California Road and Main Street. Limits are Route 309, from West Pumping Station Road to Tollgate Road & Hickory Drive @ Route 663 & California Road \$ East Pumping Station Road and West Pumping Station Road & Main Street, from Park Avenue to Richland Crossing Shopping Center driveway.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	32				
PE	LOCAL	74				
ROW	LOCAL		108			
CON	HWY				967	
Fiscal Year Total		106	108	0	967	0
		Total FY 01-04 Cost				1,181

TIP# 5761 Pine Grove Rd.

MPMS# 57637 at Yardley-Morrisville Rd.

Intersection Improvements

AQ Code X Lower Makefield Twp.

Modify intersection geometry to provide "T" intersection, including separate left turn lanes and signalization.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	15				
DES	LOCAL		40			
ROW	LOCAL			100		
CON	HWY					420
CON	STATE					105
Fiscal Year Total		15	40	100	0	525
		Total FY 01-04 Cost				155

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5762 Route 313

MPMS# 57638 Sawmill Rd. to East Court St.

Closed Loop Signal System

AQ Code 2005M Doylestown, Buckingham, Plumstead Twp., Doylestown Bo.

Implementation of a traffic signal closed loop system including the physical interconnection of the existing signalized intersections and also two new signals.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	136				
ROW	LOCAL		20			
CON	HWY				536	
Fiscal Year Total		136	20	0	536	0
		Total FY 01-04 Cost			692	

TIP# 5763 Newtown-Yardley Rd.

MPMS# 57639 at Penn Trail

Intersection Improvements

AQ Code X Newtown Twp., Newtown Boro.

Left-turn lane installation of Newtown-Yardley Road approach, signalization and closed loop system interconnection to adjacent intersection of Lower Dolington Road and Terry Drive.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	40				
PE	LOCAL	20				
ROW	LOCAL		40			
CON	HWY				352	
CON	LOCAL				88	
Fiscal Year Total		60	40	0	440	0
		Total FY 01-04 Cost			540	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5764 County Line Rd.

MPMS# 57640 Delmont Ave. to Davisville Rd.

Closed Loop Signal System

AQ Code 2005M Warminster, Horsham, Hatboro, Upper Moreland

Implementation of closed loop system along corridor will improve progression, reduce delay to side street traffic and enhance safety along the corridor. The system will be capable of traffic responsive operation.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	40			
PE	LOCAL	20			
ROW	LOCAL		12		
CON	HWY			288	

Fiscal Year Total 60 12 288 0

0

Total FY 01-04 Cost 360

TIP# 5765 Bridgetown Pike

MPMS# 57641 Buck Rd. to Old Bristol Rd.

Closed Loop Signal System

AQ Code 2005M Lower Southampton Twp.

Interconnection of signalized intersections to create a closed loop system. New signal at Bridgetown Pike and Elmwood Avenue.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	60			
CON	CMAQ			360	
CON	LOCAL			30	

Fiscal Year Total 60 0 390 0

0

Total FY 01-04 Cost 450

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5766 *Street Rd., Bristol Rd., York Rd., and*

MPMS# 57642 Jacksonville Rd.

Signal Upgrade and Closed Loop System

AQ Code 2005M Warminster Twp.

Modernization of several traffic signal installations, expansion of closed loop system to entire Township system, enable traffic responsive operation along key corridors.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
DES	LOCAL	80				
PE	LOCAL	40				
ROW	LOCAL		104			
CON	HWY				996	
Fiscal Year Total		120	104	0	996	0
Total FY 01-04 Cost					1,220	

TIP# 5767 *Bristol Rd. and Jacksonville Rd.*

MPMS# 57643

Corridor Improvements

AQ Code 2015/20M Various

Widening of roadways and intersection improvements to provide additional through lanes and auxiliary lanes, traffic signal installations and upgrades on Bristol Road, from York Road to Davisville Road and Jacksonville Road, from Bristol Road to County Line Road.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
PE	LOCAL			900		
DES	LOCAL				1,800	
CON	HWY					14,400
CON	STATE					3,600
ROW	HWY					2,400
ROW	STATE					600
Fiscal Year Total		0	0	900	1,800	21,000
Total FY 01-04 Cost					2,700	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5768 *Deep Run Rd.*
MPMS# 13444 over Deep Run Creek
Bridge Replacement
AQ Code X Bedminster Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	200				
DES	STATE			200		
ROW	STATE				60	
CON	STATE					1,500
Fiscal Year Total		200	0	200	60	1,500
		Total FY 01-04 Cost			460	

TIP# 5769 *Saw Mill Rd.*
MPMS# 13723 over Kimples Creek
Bridge Replacement
AQ Code X Haycock Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	100				
DES	STATE		100			
CON	STATE				600	
ROW	STATE				40	
Fiscal Year Total		100	100	0	640	0
		Total FY 01-04 Cost			840	

TIP# 5770 *Keller's Church Rd.*
MPMS# 13715 over Cabin Run
Bridge Replacement
AQ Code X Bedminster Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	100				
DES	STATE		150			
CON	STATE				500	
ROW	STATE				40	
Fiscal Year Total		100	150	0	540	0
		Total FY 01-04 Cost			790	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5771 Otter Rd.

MPMS# 13702 over Otter Creek
Bridge Replacement
AQ Code X Bristol Boro.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	200				
DES	STATE		300			
CON	STATE				900	
ROW	STATE				50	
Fiscal Year Total		200	300	0	950	0
Total FY 01-04 Cost					1,450	

TIP# 5772 PA 152, Walnut St.

MPMS# 13441 over Branch of Pleasant Springs
Bridge Replacement
AQ Code X Hilltown Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	150				
DES	STATE		300			
ROW	STATE				100	
CON	STATE					900
Fiscal Year Total		150	300	0	100	900
Total FY 01-04 Cost					550	

TIP# 5773 Plumstead Township Trail

MPMS# 58128

AQ Code X Plumstead Twp.

Initial phase of Township Trail Program, linking Plumstead Township with Bedminster Township.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	LOCAL	58				
ERC	RecTr	44				
Fiscal Year Total		102	0	0	0	0
Total FY 01-04 Cost					102	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5774 US 202

MPMS# 50728

AQ Code X

Wetland Mitigation
Chalfont Boro.

Wetland replacement associated with the US 202, Section 700 project.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY	5,280				
CON	STATE	1,320				
Fiscal Year Total		6,600	0	0	0	0
		Total FY 01-04 Cost		6,600		

TIP# 5775

Bridge St. Bridge

MPMS# 59496

over Pennsylvania Canal

Bridge Replacement

AQ Code X

New Hope Boro.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	100				
DES	STATE			100		
CON	STATE					700
ROW	STATE					50
Fiscal Year Total		100	0	100	0	750
		Total FY 01-04 Cost		200		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Bucks

TIP# 5776 *Kellers Church Rd. Bridge*

MPMS# 12955 over Deep Run Creek

Bridge Replacement

AQ Code X Bedminster Twp.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
PE	BR	240				
PE	STATE	60				
DES	BR			160		
DES	STATE			40		
CON	BR					1,200
CON	STATE					300
ROW	BR					40
ROW	STATE					10
Fiscal Year Total		300	0	200	0	1,550
			Total FY 01-04 Cost		500	

Total for Bucks	69,069	34,006	102,547	78,954	587,847
		Total FY 01-04 Cost		284,576	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 0587

Schuylkill River Trail (Q20)

MPMS# 59434

Betzwood to Berks County line

AQ Code X

Design, right-of-way, and construction of a 19.2 mile trail corridor that will extend the Schuylkill River Trail beyond its current terminus at Betzwood, Valley Forge National Historical Park, to the Berks County border. The multi-use trail will be a paved, 12-foot wide surface with 4 foot grass shoulders on each side, located within PECO Energy corridors, railroad and utility rights-of-way, existing bridges, canal towpaths, and public and private open space.

Construction funding for the portion of the trail from Betzwood to Mont Clare is programmed in TIP #8703.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PE	CMAQ	731			
PE	LOCAL	183			
DES	CMAQ		551		
DES	LOCAL		138		
ROW	CMAQ		168		
ROW	LOCAL		42		

Fiscal Year Total	914	899	0	0	0
Total FY 01-04 Cost				1,813	

TIP# 6530

PA 352, CHESTER ROAD

MPMS# 14060

AT BOOT ROAD

062L044

RESTORATION AND REALIGNMENT

AQ Code X

East Goshen Twp.

This project consists of a minor realignment of the existing "Y" intersection by slightly widening both legs, pavement patching, and drainage improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	STATE	80			
CON	STU	320			
ROW	STATE	27			
ROW	STU	108			

Fiscal Year Total	535	0	0	0	0
Total FY 01-04 Cost				535	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6579 STRASBURG ROAD

MPMS# 14203 OVER WEST BRANCH OF BRANDYWINE CREEK

062C029 BRIDGE REPLACEMENT

AQ Code X East Fallowfield Twp.

This project involves building a new two lane bridge with shoulders next to the existing narrow, two lane historic bridge in the Village of Mortonville, and associated drainage improvements. The existing bridge may be kept for pedestrian use.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ENG	STATE	600			
ROW	STATE		250		
CON	BR				2,867
CON	STATE				717

Fiscal Year Total 600 250 0 0 3,584

Total FY 01-04 Cost 850

TIP# 6583 LANDENBURG ROAD

MPMS# 14202 OVER EAST BRANCH OF WHITE CLAY CREEK

062C028 BRIDGE REPLACEMENT

AQ Code X New Garden Twp.

Replace the existing two lane, 20' wide bridge. The new structure will have two 10' lanes with 4' shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	STATE	50			
CON	STATE		1,600		

Fiscal Year Total 50 1,600 0 0 0

Total FY 01-04 Cost 1,650

TIP# 6594 US 30, LANCASTER AVENUE

MPMS# 14296 AT WATERLOO ROAD

062S201N ADDITION OF LEFT TURN LANE AND SIGNALS

AQ Code X Easttown Twp.

Add left turn lanes on all four approaches, modernize the traffic signal, and realign the Waterloo Rd. approaches.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	HWY	720			
ROW	STATE	180			
CON	HWY			720	
CON	STATE			180	

Fiscal Year Total 900 0 900 0 0

Total FY 01-04 Cost 1,800

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6624 PA 29, PHOENIXVILLE PIKE
MPMS# 14402 AT CHARLESTOWN ROAD
062L400 INTERSECTION IMPROVEMENTS
AQ Code X Charlestown Twp.

Widening to accommodate a left turn only lane and a right turn/through lane on all four approaches.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	LOCAL			110		
CON	STU			440		
Fiscal Year Total		0	0	550	0	0
		Total FY 01-04 Cost			550	

TIP# 6628 CEDAR KNOLL ROAD
MPMS# 13941 OVER WEST BRANCH OF BRANDYWINE CREEK
062C034 BRIDGE REPLACEMENT
AQ Code X West Brandywine Twp., West Caln Twp.

The existing two lane bridge with 4' shoulders will be replaced in kind.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STATE		806			
Fiscal Year Total		0	806	0	0	0
		Total FY 01-04 Cost			806	

TIP# 6637 PA 162, Strasburg Rd. (Copes Bridge)
MPMS# 14055 over E. Branch of Brandywine Creek
Bridge Rehabilitation/Replacement
AQ Code X E. Bradford Twp., W. Bradford Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	400				
DES	STATE			300		
CON	STATE					2,000
ROW	STATE					50
Fiscal Year Total		400	0	300	0	2,050
		Total FY 01-04 Cost			700	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6651 LONDON TRACT ROAD
MPMS# 14208 OVER WHITE CLAY CREEK
062C065 BRIDGE REPLACEMENT
AQ Code X London Britain Twp.

The existing one lane bridge will be replaced with a two lane bridge with shoulders.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	STATE	492				
ROW	STATE		100			
CON	STATE				2,240	
Fiscal Year Total		492	100	0	2,240	0
		Total FY 01-04 Cost			2,832	

TIP# 6655 PA 926, STREET ROAD
MPMS# 14325 OVER CHESTER CREEK
062C060 BRIDGE REPLACEMENT
AQ Code X Thornbury Twp., Westtown Twp.

Replacement of the existing two lane bridge with no shoulders with a two lane bridge with shoulders. Perform minor drainage and roadway improvements at the intersection with Westtown Rd.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR	40				
ROW	STATE	10				
CON	BR		640			
CON	STATE		160			
Fiscal Year Total		50	800	0	0	0
		Total FY 01-04 Cost			850	

TIP# 6687 HARMONYVILLE ROAD
MPMS# 14329 OVER PINE CREEK
062C213 BRIDGE REPLACEMENT
AQ Code X Warwick Twp.

Replace the existing two lane bridge with no shoulders with a two lane bridge with 4' shoulders and provide visual mitigation.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	STATE	200				
CON	STATE			600		
Fiscal Year Total		200	0	600	0	0
		Total FY 01-04 Cost			800	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6715 US 30, COATESVILLE-DOWNINGTOWN BYPASS

MPMS# 14572 AT PA 113 (UWCHLAN AVENUE)

062S226M INTERCHANGE IMPROVEMENT

AQ Code 2002M East Caln Twp.

This project involves constructing an off-ramp from eastbound US 30 to northbound PA 113 and installing a median barrier from PA 113 to Creek Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STATE	4,500				
Fiscal Year Total		4,500	0	0	0	0
		Total FY 01-04 Cost		4,500		

TIP# 6719 PA 41

MPMS# 14484 DELAWARE STATE LINE TO PA 926

062C044 STUDY OF RECONSTRUCTION / NEW CAPACITY

AQ Code X Avondale Boro.

Continue to study alternatives and complete environmental study. Current alternatives include widening and limited realignment. Actual cost estimates for construction will be determined with the completion of the Environmental Impact Statement. The value expressed in the 'Later Fiscal Years' is not a commitment, nor an allocation, nor a decision on an alternative. The cost estimates for the construction phase serve more as a public notice of potential costs for future budgetary purposes.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	DEMO	4,600				
DES	STATE	1,150				
DES	HWY				3,400	
DES	STATE				850	
ROW	HWY				2,000	
ROW	STATE				500	
CON	HWY					48,000
CON	STATE					12,000
ROW	HWY					14,000
ROW	STATE					3,500
Fiscal Year Total		5,750	0	0	6,750	77,500
		Total FY 01-04 Cost		12,500		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6732 US 322, DOWNINGTOWN WEST CHESTER ROAD

MPMS# 14461 AT US BUSINESS 322

062S001L RELOCATE, CHANNELIZE, INSTALL SIGNALS

AQ Code X East Bradford Twp.

This project consists of the addition of two traffic signals, intersection realignment, widening to accommodate left turn lanes on Business Rt. 322, and the installation of a median barrier in certain locations to prevent left turns.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	STATE	694			
CON	STU	2,778			

Fiscal Year Total	3,472	0	0	0	0
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Total FY 01-04 Cost 3,472

TIP# 6740 WESTTOWN THORNTON ROAD

MPMS# 14199 OVER WEST BRANCH OF CHESTER CREEK

062C062 BRIDGE REPLACEMENT

AQ Code X Thornbury Twp.

Replace the existing two lane bridge with no shoulders with a two lane bridge with shoulders and improve the vertical alignment by removing the hump in the bridge.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ENG	STATE		450		
ROW	STATE			300	
CON	BR				1,440
CON	STATE				360

Fiscal Year Total	0	450	300	0	1,800
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Total FY 01-04 Cost 750

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6741 US 202 (SECTION 100)

MPMS# 15385 MATLACK ST. TO DELAWARE STATE LINE

1588407 TRAFFIC FLOW IMPROVEMENTS

AQ Code 2015/20M West Goshen, Westtown, Thornbury, Birmingham Twps.

Provide an additional lane in each direction, construct grade separated interchanges at appropriate locations, and improve access management.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY		8,000			
DES	STATE		2,000			
ROW	HWY				1,600	
ROW	STATE				400	
CON	HWY					160,000
CON	STATE					40,000
ROW	HWY					32,000
ROW	STATE					8,000
Fiscal Year Total		0	10,000	0	2,000	240,000
		Total FY 01-04 Cost			12,000	

TIP# 6772 PA 113, KIMBERTON ROAD

MPMS# 14501 AT PA 401 (CONESTOGA ROAD)

062L820 SAFETY IMPROVEMENT, CHANNELIZATION

AQ Code X West Pikeland Twp.

Add left turn lanes on all four approaches.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STATE	190				
CON	STU	760				
Fiscal Year Total		950	0	0	0	0
		Total FY 01-04 Cost			950	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6779 US 1, BALTIMORE PIKE

MPMS# 14541 KENNETT SQUARE BYPASS TO BAYARD RD.

062S006C PHASE 2 OF PARTNERSHIP

AQ Code 2002M East Marlborough Twp.

Widen from two lanes in each direction to three lanes in each direction and relocate the School House Rd. intersection. Add left turn lanes on US 1 at School House Rd. and install new traffic signals.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STATE		3,360			
Fiscal Year Total		0	3,360	0	0	0
		Total FY 01-04 Cost		3,360		

TIP# 6782 PA 100, POTTSTOWN PIKE

MPMS# 14569 AT PARK RD.

062S235C INTERSECTION IMPROVEMENT

AQ Code X Upper Uwchlan Twp.

Widen the intersection to accommodate left turn lanes on all approaches and install a new traffic signal.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	SFTY		82			
ROW	STATE		9			
CON	SFTY			810		
CON	STATE			90		
Fiscal Year Total		0	91	900	0	0
		Total FY 01-04 Cost		991		

TIP# 6791 STATE ROAD

MPMS# 14333 OVER BIG ELK CREEK

062C055 BRIDGE REPLACEMENT

AQ Code X Elk Twp., New London Twp.

The existing two lane bridge with shoulders will be replaced in kind.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	BR		640			
CON	STATE		160			
Fiscal Year Total		0	800	0	0	0
		Total FY 01-04 Cost		800		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6794 HOPEWELL ROAD

MPMS# 14294 OVER TWEED CREEK

062C063 BRIDGE REPLACEMENT

AQ Code X East Nottingham Twp.

This project involves replacing the existing two lane bridge (western-most crossing) with a two lane bridge with shoulders, and drainage and guiderail improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	STATE			1,035	
Fiscal Year Total		0	0	1,035	0
Total FY 01-04 Cost				1,035	

TIP# 6797 PARK AVENUE

MPMS# 14209 OVER BUCK RUN

062C067 BRIDGE REPLACEMENT

AQ Code X East Fallowfield Twp., Highland Twp.

Replace the existing two lane bridge with no shoulders with a two lane bridge with shoulders and realign Park Ave. to improve the horizontal curve.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR	440			
CON	STATE	110			
Fiscal Year Total		550	0	0	0
Total FY 01-04 Cost				550	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6799 US 202 (SECTION 402), SWEDESFORD RD. TO

MPMS# 14546 OLD EAGLE SCHOOL RD. (see #8382)

062C202C WIDENING AND ACCESS IMPROVEMENTS

AQ Code 2002M Tredyffrin Twp.

US 202 stretches from Wilmington, Delaware to Bangor, Maine. In the DVRPC region, US 202 covers 61 miles, traversing 27 municipalities. It serves as a major commuter route and is a vital link for business and industry. For planning purposes, US 202 has been divided into eight sections. The limits of Section 400 are from PA 252 to I-76. Traffic volumes in this section of US 202 exceed 80,000 AADT.

This project will increase the capacity of US 202 by widening a 2.6 mile section from four to six lanes. Interchange improvements will be made at I-76 and Warner Road, US 422, Swedesford Road, and Chesterbrook. The Warner Road and Old Eagle School Road bridges will be replaced and a new ramp will be constructed parallel to US 202 along the abandoned Chester Valley Railroad right-of-way that will connect an extended Devon Park Drive and the US 422 interchange to eastbound I-76. PennDOT has identified this as an SOV Project and has completed the required Congestion Management System (CMS) Analysis. This analysis resulted in additional projects being recommended to mitigate congestion during and after the construction of this improvement. Specific CMS projects and cost estimates are yet to be determined but could include: subsidies to SEPTA for new transit service and a localized rideshare program for Chester and Montgomery Counties.

This project is an advance construction conversion.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY	10,693				
CON	HWY*	13,280				
CON	STA*	3,320				
CON	STATE	2,673				
CON	HWY*		7,662			
CON	STA*		1,916			
Fiscal Year Total		29,966	9,578	0	0	0
			Total FY 01-04 Cost	39,544		

TIP# 6803 US 30, LANCASTER AVENUE/LINCOLN HIGHWAY

MPMS# 14576 PA 252 (LEOPARD RD)-DELAWARE COUNTY LINE

062M043A RESTORATION

AQ Code X Tredyffrin Twp., Easttown Twp.

Road restoration including drainage improvements, curbing and shoulder reconstruction, milling, repaving, signal modernization, and guiderail improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	ST187	880				
CON	STU	3,520				
Fiscal Year Total		4,400	0	0	0	0
			Total FY 01-04 Cost	4,400		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6813 PA 41, GAP NEWPORT ROAD

MPMS# 14613 AT NEW BALTIMORE PIKE

062S256C INTERSECTION IMPROVEMENT

AQ Code X London Grove Twp.

Realign intersection approaches to form a "T" intersection and add left turn lanes on all approaches.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	SFTY	1,150				
CON	STATE	288				
Fiscal Year Total		1,438	0	0	0	0
		Total FY 01-04 Cost		1,438		

TIP# 6841A CHESTER VALLEY TRAIL PHASE I

MPMS# 14663 CHURCH FARM SCHOOL RD. TO PA 29

062H3C18

AQ Code X Tredyffrin Twp., East Whiteland Twp.

The Chester Valley Trail will link Valley Forge National Historic Park, the Schuylkill River Trail, and the county-owned Struble Trail. The 15 mile long multimodal trail will primarily follow the abandoned Chester Valley Railroad. It will be a paved surface ten to twelve feet wide.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	LOCAL		560			
CON	TE		2,240			
Fiscal Year Total		0	2,800	0	0	0
		Total FY 01-04 Cost		2,800		

TIP# 6841B Chester Valley Trail, Phase II

MPMS# 61688

AQ Code X Downingtown Boro., East Caln Twp., West Whiteland Twp.

Design and construction of 8-mile paved multi-use trail between Exton Park Site Drive, West Whiteland Twp., and Kardon Park, Downingtown Boro. Construction phase to receive priority consideration for TE funding in 2002 upon completion of locally funded design phase.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	626				
PE	LOCAL	33				
Fiscal Year Total		659	0	0	0	0
		Total FY 01-04 Cost		659		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6850 PA 100, POTTSTOWN PIKE
MPMS# 14662 AT PUGHTOWN ROAD
062S4140 SAFETY IMP. REALIGNMENT & CHANNELIZATION
AQ Code X South Coventry Twp.

This intersection has poor sight distance due to a hump in the road on PA 100. To increase visibility, the grade will be lowered. Traffic signals may also be installed.

Construction of this project will be included in TIP #0515, Betterment Projects.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	HWY*	800			
CON	STAT*	200			

Fiscal Year Total 1,000 0 0 0 0

Total FY 01-04 Cost 1,000

TIP# 6856 CHESTNUT TREE ROAD
MPMS# 14213 OVER E. BRANCH OF BRANDYWINE CREEK
062C035 BRIDGE REHABILITATION
AQ Code X West Nantmeal Twp., Honey Brook Twp.

The existing narrow two lane bridge will be replaced with a two lane bridge with minimal shoulders. The bridge is located in a historic district.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR		560		
CON	STATE		140		

Fiscal Year Total 0 700 0 0 0

Total FY 01-04 Cost 700

TIP# 6858 WEST BRIDGE STREET
MPMS# 14134 OVER AMTRAK
062L013 BRIDGE REPLACEMENT
AQ Code X Parkesburg Boro.

The existing two lane bridge with sidewalks on both sides is currently closed to traffic. It will be replaced with a two lane bridge with minimal shoulders and sidewalks on both sides.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR			1,760	
CON	LOCAL			110	
CON	STATE			330	

Fiscal Year Total 0 0 2,200 0 0

Total FY 01-04 Cost 2,200

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6878 STATE STREET BRIDGE

MPMS# 14653 OVER AMTRAK'S HARRISBURG LINE

062L063 BRIDGE REMOVAL

AQ Code X Parkesburg Boro.

Remove the dilapidated vehicular bridge which has been closed to traffic since the 1970's.
A new pedestrian bridge may be constructed.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL		35		
CON	STATE		105		
CON	STU		560		

Fiscal Year Total	0	700	0	0	0
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Total FY 01-04 Cost	700
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TIP# 6893 JAMES MILL ROAD

MPMS# 14278 OVER BRANCH OF FRENCH CREEK

062L062 BRIDGE REPLACEMENT

AQ Code X East Nantmeal Twp., Warwick Twp.

Replace the existing one and a half lane bridge with a 24' wide, two lane bridge with minimal shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	80			
CON	STATE	320			

Fiscal Year Total	400	0	0	0	0
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Total FY 01-04 Cost	400
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TIP# 6899 VALLEY WILLOW ROAD

MPMS# 14272 OVER BRANCH OF WHITE CLAY

062L066 BRIDGE REPLACEMENT

AQ Code X London Grove Twp.

The existing two lane bridge will be replaced in kind.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL		150		
CON	STATE		600		

Fiscal Year Total	0	750	0	0	0
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Total FY 01-04 Cost	750
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6902 CHESTNUT ST.

MPMS# 14354 OVER AMTRAK/SEPTA R5

062L059 BRIDGE REPLACEMENT

AQ Code X Downingtown Boro.

The existing two lane bridge with minimal shoulders will be replaced in kind, with a minor improvement to the vertical crest.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	BR	80				
ENG	LOCAL	55				
ENG	STATE	15				
ROW	BR		80			
ROW	LOCAL		5			
ROW	STATE		15			
CON	BR				2,000	
CON	LOCAL				125	
CON	STATE				375	
Fiscal Year Total		150	100	0	2,500	0
		Total FY 01-04 Cost			2,750	

TIP# 6903 US 202 (SECTION 300) IMPROVEMENT PROJECT

MPMS# 13945 US 30 TO HOWELLVILLE RD./

SWEDES FORD RD. INTERCHANGE

AQ Code 2015/20M East Whiteland Twp., Tredyffrin Twp.

This project involves widening approximately 6.7 miles of roadway, generally within the median, to add one travel lane in each direction; interchange modifications; and the installation of noise walls.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY	6,800				
DES	STATE	1,700				
ROW	HWY		4,000			
ROW	STATE		1,000			
CON	HWY					80,000
CON	STATE					20,000
Fiscal Year Total		8,500	5,000	0	0	100,000
		Total FY 01-04 Cost			13,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6905 PA 52

MPMS# 14504 PA 926 - US 1

Relocation

AQ Code 2005M East Marlborough Twp., Kennett Twp., Pennsbury Twp.

Construct a two lane relocation of the existing roadway at the eastern border of the Longwood Gardens property to correct a safety problem due to poor intersection and roadway geometry.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	100				
DES	STU	400				
ROW	STATE		100			
ROW	STU		400			
CON	STATE				600	
CON	STU				2,400	
Fiscal Year Total		500	500	0	3,000	0
Total FY 01-04 Cost					4,000	

TIP# 6906 PA 100

MPMS# 14515 Shoen Rd. to Gordon Dr.

Widening and CMS Improvements

AQ Code 2005M Uwchlan Twp., West Whiteland Twp.

Provide an additional travel lane in each direction and implement CMS type improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL		100			
CON	STATE			7,000		
Fiscal Year Total		0	100	7,000	0	0
Total FY 01-04 Cost					7,100	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6907 PA 100

MPMS# 14629 I-76, PA Turnpike to Fellowship Rd.

Road Relocation

AQ Code 2005M Upper Uwchlan Twp.

Construct a two lane road relocation to the east of Eagle.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	200				
ROW	LOCAL		300			
CON	STATE					500
CON	HWY					2,000
Fiscal Year Total		200	300	0	0	2,500
		Total FY 01-04 Cost		500		

TIP# 6908 PA 100

MPMS# 47978 Blackhorse Rd. to Horseshoe Trail

Ludwigs Corner Realignment

AQ Code 2015/20M West Vincent Twp.

Provide four through lanes by constructing two through lanes to the east of Ludwig's Corner.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	100				
DES	STATE			500		
ROW	STATE				500	
CON	STATE					3,000
Fiscal Year Total		100	0	500	500	3,000
		Total FY 01-04 Cost		1,100		

TIP# 6909 PA 113

MPMS# 14500 Gordon Dr. - Davis Rd. (over PA Tpk.)

Roadway Improvement

AQ Code 2005M Uwchlan Twp.

Provide an additional through lane and turn lane and replace bridge (less than one mile) over PA Turnpike.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL	500				
CON	STATE		1,100			
CON	STU		4,400			
Fiscal Year Total		500	5,500	0	0	0
		Total FY 01-04 Cost		6,000		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6910 *Paoli Transportation Center*

MPMS# 47979 US 30 and Paoli Pike

AQ Code X Willistown Twp., Tredyffrin Twp.

This project consists of the traffic and circulation components of the Paoli Transportation Center relocation, including intersection relocation, channelization, and pedestrian accessibility.

The transit components of this project are programmed in the SEPTA section under TIP #S080.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE		1,000			
DES	STATE				500	
CON	CMAQ					8,800
CON	STATE					2,200
ROW	STATE					2,000
Fiscal Year Total		0	1,000	0	500	13,000
			Total FY 01-04 Cost		1,500	

TIP# 6911 *Downingtown Closed Loop Signal System*

MPMS# 47980 US 30, PA 113, and US 322

AQ Code 2005M Downingtown Boro.

Install closed loop traffic signal system.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ	200				
ROW	CMAQ		20			
CON	CMAQ			1,500		
Fiscal Year Total		200	20	1,500	0	0
			Total FY 01-04 Cost		1,720	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6912 *Phoenixville Closed Loop Signal System*

MPMS# 47981 PA 23, PA 29, and PA 113

AQ Code 2005M Phoenixville Boro.

Install closed loop traffic signal system.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ	160				
DES	LOCAL	40				
ROW	CMAQ			100		
CON	CMAQ				2,000	
Fiscal Year Total		200	0	100	2,000	0
		Total FY 01-04 Cost		2,300		

TIP# 6915 *Paoli Pike*

MPMS# 47136 at Five Points Rd.

Intersection Improvement
West Goshen Twp.

AQ Code X

Provide left turn lanes on all four approaches.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	STATE	50				
CON	STATE		500			
Fiscal Year Total		50	500	0	0	0
		Total FY 01-04 Cost		550		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6916 State St. (east of Indian Run Rd.)

MPMS# 14246 over Indian Run

Bridge Replacement

AQ Code X Avondale Boro.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	80				
DES	LOCAL	5				
DES	STATE	15				
ROW	BR		8			
ROW	LOCAL		1			
ROW	STATE		1			
CON	BR				400	
CON	LOCAL				50	
CON	STATE				50	
Fiscal Year Total		100	10	0	500	0
		Total FY 01-04 Cost			610	

TIP# 6917 Howelville Rd.

MPMS# 14363 over Conrail, north of Bodine Rd.

Bridge Replacement

AQ Code X Tredyffrin Twp.

Bridge replacement and horizontal realignment of roadway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR		80			
DES	LOCAL		10			
DES	STATE		10			
ROW	BR				160	
ROW	LOCAL				20	
ROW	STATE				20	
CON	BR					800
CON	LOCAL					100
CON	STATE					100
Fiscal Year Total		0	100	0	200	1,000
		Total FY 01-04 Cost			300	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6918 *Reid Rd.*

MPMS# 14270 over West Branch of Brandywine Creek

Bridge Replacement

AQ Code X West Caln Twp., West Brandywine Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR		32		
ROW	LOCAL		2		
ROW	STATE		6		
CON	BR			480	
CON	LOCAL			30	
CON	STATE			90	
Fiscal Year Total		0	40	600	0
				Total FY 01-04 Cost	640

TIP# 6919 *South Keim St.*

MPMS# 56901 over Small Run

Bridge Replacement

AQ Code X North Coventry Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR	32			
ROW	LOCAL	2			
ROW	STATE	6			
CON	BR			400	
CON	LOCAL			25	
CON	STATE			75	
Fiscal Year Total		40	0	500	0
				Total FY 01-04 Cost	540

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6920 US 422

MPMS# 14698 Berks County - Schuylkill River

062M4000 Reconstruction and Interchange Upgrades

AQ Code X North Coventry Twp., West Pottsgrove Twp.

This project consists of base repair, overlay, replacement of concrete median, and slope stabilization.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY	2,000				
DES	STATE	500				
ROW	HWY				800	
ROW	STATE				200	
CON	HWY					20,000
CON	STATE					5,000
Fiscal Year Total		2,500	0	0	1,000	25,000
		Total FY 01-04 Cost			3,500	

TIP# 6923 PA 113, Gay St.

MPMS# 14699 over French Creek and Conrail

Bridge Replacement

AQ Code X Phoenixville Boro.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR		320			
DES	STATE		80			
ROW	BR				160	
ROW	STATE				40	
CON	BR					6,800
CON	STATE					1,700
Fiscal Year Total		0	400	0	200	8,500
		Total FY 01-04 Cost			600	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6924 US 322, Main St.

MPMS# 47312 at PA 10, Conestoga Ave.

AQ Code X Intersection Improvement
Honeybrook Boro.

Modernize traffic signals, minor roadway realignment, and improved channelization.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	20				
DES	STU	80				
ROW	STATE			10		
ROW	STU			40		
CON	STATE				80	
CON	STU				320	
Fiscal Year Total		100	0	50	400	0
			Total FY 01-04 Cost		550	

TIP# 6928 PA 41

MPMS# 47421 US 30 TO PA 926

AQ Code X Intersection/Corridor Improvements
Various Municipalities

Traffic safety improvements at various intersections and along the corridor.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	DEMO		3,200			
DES	STATE		800			
ROW	HWY				4,000	
ROW	STATE				1,000	
CON	HWY					32,000
CON	STATE					8,000
ROW	HWY					4,000
ROW	STATE					1,000
Fiscal Year Total		0	4,000	0	5,000	45,000
			Total FY 01-04 Cost		9,000	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6929 US 30, Coatesville Downingtown Bypass

MPMS# 14532 PA 10 to Exton Bypass

Reconstruction

AQ Code X Various Municipalities

Safety and congestion problems due to substandard design of ramps and poor condition of shoulders and travel lanes. Reconstruct several on and off ramps; reconstruct shoulders and travel lanes.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	DEMO	2,400				
PE	STATE	600				
DES	DEMO			600		
DES	HWY			4,200		
DES	STATE			1,200		
ROW	HWY				8,000	
ROW	STATE				2,000	
CON	HWY					92,000
CON	STATE					23,000
Fiscal Year Total		3,000	0	6,000	10,000	115,000
		Total FY 01-04 Cost			19,000	

TIP# 6930 PA 41

MPMS# 47137 at Zook Rd.

Intersection Improvement

AQ Code X West Sadsbury Twp.

Add left turn lanes of both approaches of PA 41 and widen bridge over Octoraro Creek.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	DEMO		240			
ROW	STATE		60			
CON	DEMO			960		
CON	STATE			240		
Fiscal Year Total		0	300	1,200	0	0
		Total FY 01-04 Cost			1,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6931 Fairview Rd.

MPMS# 47985 over Tweeds Run
Bridge Replacement
AQ Code X Lower Oxford Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL		32			
DES	STATE		128			
ROW	LOCAL			12		
ROW	STATE			48		
CON	LOCAL				140	
CON	STATE				560	
Fiscal Year Total		0	160	60	700	0
Total FY 01-04 Cost					920	

TIP# 6932 Pusey Mill Rd.

MPMS# 14253 over Big Elk Creek
Bridge Replacement
AQ Code X Penn Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR		140			
DES	LOCAL		35			
ROW	BR			48		
ROW	LOCAL			12		
CON	BR				560	
CON	LOCAL				140	
Fiscal Year Total		0	175	60	700	0
Total FY 01-04 Cost					935	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6933 *Ravine Rd.*
MPMS# 14400 under Frazer Railroad
Bridge removal and roadway realignment
AQ Code X East Whiteland Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL		10			
ROW	STATE		40			
CON	LOCAL				80	
CON	STATE				320	
Fiscal Year Total		0	50	0	400	0
Total FY 01-04 Cost					450	

TIP# 6934 *Pickering Road*
MPMS# 13972 over Pickering Creek
Bridge Replacement
AQ Code X East Pikeland Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL	4				
ROW	STATE	16				
CON	LOCAL		140			
CON	STATE		560			
Fiscal Year Total		20	700	0	0	0
Total FY 01-04 Cost					720	

TIP# 6935 *Downingtown Streetscape*
MPMS# 50518

AQ Code X Downingtown Boro.

The goal of this project is to create a pedestrian scale shopping district along historic US 30. The project includes thirty new historically accurate cast iron street lights, fifty-eight street trees, benches, bus shelters, bike racks, banner poles, and trash receptacles. Two parks will also be redesigned, and the US 322/US 30 intersection will be reconfigured and landscaped.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	TE		1,085			
Fiscal Year Total		0	1,085	0	0	0
Total FY 01-04 Cost					1,085	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6936 *Phoenix Column Truss Bridge*

MPMS# 50519 Rehabilitation

AQ Code X Phoenixville Boro.

Rehabilitation of the existing through truss bridge over French Creek and incorporation into the Schuylkill River Trail.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	TE	200				
Fiscal Year Total		200	0	0	0	0
Total FY 01-04 Cost					200	

TIP# 6937 *French Creek Parkway, btw. PA 113 and*

MPMS# 57659 Bridge St. (Phoenix Steel site)

New Collector Road

AQ Code 2005M Phoenixville Boro.

A 120 acre parcel is scheduled for redevelopment consisting of office, retail and residential uses. Site would also contain a train station for the proposed Schuylkill Valley Metro. This redevelopment is estimated to create over 5,000 jobs.

Construct collector road to serve uses in redeveloped area consisting of one lane by direction with left turn lanes where needed; construct two bridges to carry road over French Creek.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	200				
DES	LOCAL		800			
ROW	LOCAL		2,000			
CON	HWY				4,800	
CON	LOCAL				1,200	
Fiscal Year Total		200	2,800	0	6,000	0
Total FY 01-04 Cost					9,000	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6938 *Devon Train Station Renovation*

MPMS# 61689

AQ Code X

Easttown Twp.

Renovation of active train station.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	LOCAL	462				
CON	TTE	538				
Fiscal Year Total		1,000	0	0	0	0
		Total FY 01-04 Cost		1,000		

TIP# 6939 *Uwchlan Township Trails, Phase II*

MPMS# 61690

AQ Code X

Uwchlan Twp.

Construction of 3 mile asphalt sidepath, 6.5' wide, adjacent to Sheree Blvd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	15				
DES	LOCAL		195			
ROW	LOCAL		15			
CON	TE				885	
Fiscal Year Total		15	210	0	885	0
		Total FY 01-04 Cost		1,110		

TIP# 6940 *Route 100 Pedestrian Overpass*

MPMS# 61697

AQ Code X

West Whiteland Twp.

Construction of pedestrian overpass across Rt. 100 at the Exton Train Station; passenger drop-off lane on southbound side; and sidewalk from Whiteland Woods Blvd. to the train station.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	28				
PE	LOCAL	10				
ROW	LOCAL		35			
CON	TE			288		
Fiscal Year Total		38	35	288	0	0
		Total FY 01-04 Cost		361		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6941

Southern Chester County

MPMS# 60687

Rail Corridor Improvements (Q26)

AQ Code X

Install the third leg of a "Y" track at Chadds Ford to permit direct movement of freight cars to and from Wilmington, DE and points west. This improvement will eliminate a rail switching operation over US 1 and reduce the conflict between vehicular and rail traffic.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	CMAQ		2			
ROW	LOCAL		1			
CON	CMAQ			152		
CON	LOCAL			38		
Fiscal Year Total		0	3	190	0	0
Total FY 01-04 Cost					193	

TIP# 6942

Caln Township Closed Loop

MPMS# 58664

Signal System (Q40)

AQ Code 20050

Caln Twp.

Installation of a closed loop signal system interconnecting twelve intersections along Business Route 30.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	18				
DES	LOCAL		52			
ROW	CMAQ			18		
CON	CMAQ				820	
Fiscal Year Total		18	52	18	820	0
Total FY 01-04 Cost					908	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6943 *East Goshen Township*

MPMS# 60703 Closed Loop Signal System (Q41)

AQ Code 20050 East Goshen Twp.

Installation of a closed loop signal system interconnecting six intersections on Paoli Pike from Airport Rd. to North Chester Rd. (PA 352)

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	15				
PE	LOCAL	2				
CON	CMAQ			100		
Fiscal Year Total		17	0	100	0	0
Total FY 01-04 Cost					117	

TIP# 6944 *Schuylkill River Trail*

MPMS# 61885 along South Bank of French Creek (Q42)

AQ Code X Phoenixville Boro.

Multipurpose trail along the south bank of the French Creek linking a proposed station of the Schuylkill Valley Metro, the existing Schuylkill River Trail, SEPTA bus service, the downtown business district, and a proposed 120-acre mixed use development.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	42				
PE	LOCAL	200				
ROW	LOCAL			150		
CON	CMAQ				376	
Fiscal Year Total		242	0	150	376	0
Total FY 01-04 Cost					768	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6945 *Route 30 Closed Loop*

MPMS# 59437 Traffic Technology (Q44)

AQ Code 20050

Installation of a closed loop traffic control system on US 30 between Woodview Drive in Willistown Township and PA 252 in Tredyffrin Township.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	78				
PE	LOCAL	77				
CON	CMAQ			531		
CON	LOCAL			90		
Fiscal Year Total		155	0	621	0	0
Total FY 01-04 Cost					776	

TIP# 6946 *PA 926*

MPMS# 57660 at Shiloh Rd.

AQ Code X Channelization/Safety
Westtown Twp., Thornbury Twp.

Safety problems exist due to poor roadway geometry and lack of channelization. Provide left turn lanes on PA 926, improve geometry and sight distances.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE		100			
ROW	STATE			50		
CON	STATE				500	
Fiscal Year Total		0	100	50	500	0
Total FY 01-04 Cost					650	

TIP# 6947 *PA 401*

MPMS# 57663 at Fellowship Rd.

AQ Code X Channelization/Safety
Upper Uwchlan

Safety problems due to lack of channelization and poor alignment. Provide left-turn lanes on both approaches of PA 401; improve alignment.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	110				
CON	HWY					600
CON	STATE					150
Fiscal Year Total		110	0	0	0	750
Total FY 01-04 Cost					110	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6948 Newark Rd.

MPMS# 57664 at Hillendale Rd.

Channelization/Signal

AQ Code X New Garden Twp.

Safety problems exist due to poor roadway geometry. Improve roadway geometry and provide signalization.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	STATE	100			
ROW	STATE			100	
CON	STATE				400

Fiscal Year Total	100	0	100	400	0
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Total FY 01-04 Cost	600
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TIP# 6949 PA 113

MPMS# 57665 at Yellow Springs Rd.

Left Turn Lanes

AQ Code X West Pikeland Twp.

Poor traffic flow due to a lack of channelization. Provide left-turn lane on both approaches of PA 113.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	50			
ROW	LOCAL			20	
CON	HWY				240
CON	STATE				60

Fiscal Year Total	50	0	20	0	300
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Total FY 01-04 Cost	70
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TIP# 6950 Wagontown Rd.

MPMS# 57676

Reconstruction, Repair Flood Damage

AQ Code X Valley Twp.

Portion of roadway suffered severe damage as a result of flooding. Reconstruct roadway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	50			
ROW	LOCAL		10		
CON	HWY				480
CON	LOCAL				120

Fiscal Year Total	50	10	0	600	0
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Total FY 01-04 Cost	660
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6951 PA 926

MPMS# 14327 over Brandywine Creek (west of PA 100)

Bridge Replacement

AQ Code X Birmingham Twp.

Current structure is failing and is posted. Bridge replacement and improve roadway approaches.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE			600		
CON	STATE					4,500
ROW	STATE					100
Fiscal Year Total		0	0	600	0	4,600
		Total FY 01-04 Cost		600		

TIP# 6952 *Gulph Rd.*

MPMS# 57678 over Trout Run, east of Glenhardie Rd.

Bridge Replacement

AQ Code X Tredyffrin

Bridge Replacement.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	300				
ROW	STATE			60		
CON	STATE					500
Fiscal Year Total		300	0	60	0	500
		Total FY 01-04 Cost		360		

TIP# 6953 *State Rd.*

MPMS# 57679 over White Clay Creek (east of PA 896)

Bridge Replacement

AQ Code X New London Twp.

Current structure is failing and posted at 13 tons. Bridge Replacement.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE		120			
CON	STATE					450
ROW	STATE					50
Fiscal Year Total		0	120	0	0	500
		Total FY 01-04 Cost		120		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6954 Union St. over W. Br. of Brandywine Ck.

MPMS# 57680 South of Modena Rd.

AQ Code X Bridge Replacement

Modena Boro.

Current structure is failing and poses very low sufficiency rating. Bridge replacement with improvements to roadway approaches and pedestrian facilities.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE		500			
CON	STATE					1,000
DES	STATE					100
ROW	STATE					50
Fiscal Year Total		0	500	0	0	1,150
Total FY 01-04 Cost				500		

TIP# 6955 Sheeder Mill Rd.

MPMS# 57681 over French Creek (S. of Pughtown Rd.)

AQ Code X Bridge Rehabilitation

West Vincent Twp.

Covered bridge. Current structure is failing and posted at 6 tons. Increase posted limit to serve emergency vehicles and small trucks, rehabilitate historic features.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	22				
DES	STATE	88				
ROW	LOCAL			2		
ROW	STATE			8		
CON	LOCAL					120
CON	STATE					480
Fiscal Year Total		110	0	10	0	600
Total FY 01-04 Cost				120		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6956 *Hillendale Rd. over West Branch of*
MPMS# 57682 Red Clay Creek (w. of Chandler Mill Rd.)
Bridge Replacement
AQ Code X Kennett Twp.

Current structure is failing and posted at 12 tons. Bridge Replacement.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	35				
DES	STATE	140				
ROW	LOCAL			12		
ROW	STATE			48		
CON	LOCAL					150
CON	STATE					600
Fiscal Year Total		175	0	60	0	750
		Total FY 01-04 Cost			235	

TIP# 6957 *Old Gap-Newport Pike*
MPMS# 57683 over Valley Creek (north of Creek Rd.)
Bridge Replacement
AQ Code X Atglen Boro.

Current structure is failing and is posted at 12 tons. Bridge Replacement.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL			80		
CON	BR					320
CON	LOCAL					80
ROW	BR					8
ROW	LOCAL					2
Fiscal Year Total		0	0	80	0	410
		Total FY 01-04 Cost			80	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6958 PA 82 Trail

MPMS# 57684 parallel to PA 82, btw. PA 926 & Mill Rd

Bicycle/Pedestrian Trail

AQ Code X East Marlborough Twp.

Provide a bicycle/pedestrian trail to connect schools, parks, residential areas and retail

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	50				
ROW	LOCAL		20			
CON	LOCAL				135	
CON	STU				540	
Fiscal Year Total		50	20	0	675	0
Total FY 01-04 Cost					745	

TIP# 6959 Lincoln Highway Streetscape

MPMS# 57685

Pedestrian, Transit Enhancements

AQ Code X Coatesville

Provide streetscape improvements including: bus shelters, sidewalks, plantings, lights and curb bulb-outs.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	136				
CON	HWY				640	
CON	LOCAL				160	
Fiscal Year Total		136	0	0	800	0
Total FY 01-04 Cost					936	

TIP# 6960 US 1 Expressway

MPMS# 14581 PA 896 to PA 41

Reconstruction

AQ Code X Penn Twp., London Grove Twp.

Pavement patching, shoulder reconstruction, and guiderail and sign upgrade.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STATE		9,000			
Fiscal Year Total		0	9,000	0	0	0
Total FY 01-04 Cost					9,000	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6961 French Creek Recreational Trail

MPMS# 58589

AQ Code X

Phoenixville Boro.

Construction of a recreational trail along French Creek which runs through a 120-acre brownfields site in downtown Phoenixville.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	LOCAL	25				
ERC	RecTr	100				
Fiscal Year Total		125	0	0	0	0
Total FY 01-04 Cost					125	

TIP# 6962 PA 100 Spur

MPMS# 51212

AQ Code X

Noise Walls

West Whiteland Twp., West Goshen Twp.

Construct noise walls on the PA 100 Spur eastbound from Gypsy Lane to Kirkland Ave. and westbound from Kirkland Ave. to Phoenixville Pike.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	ST-SP	5,300				
Fiscal Year Total		5,300	0	0	0	0
Total FY 01-04 Cost					5,300	

TIP# 6963 PA 41, ITS Enforcement Initiative

MPMS# 57761

Delaware State Line to US 30

Chester and Lancaster Counties

AQ Code X

Various

ITS enforcement initiatives include monitoring tailgating issues, targeting speeding with radar speed detectors, truck enforcement, and intense intersection deliniation.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY	1,500				
Fiscal Year Total		1,500	0	0	0	0
Total FY 01-04 Cost					1,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6964 *King of Prussia Rd.*

MPMS# 58130 at Upper Gulph Rd.

Intersection Improvement

AQ Code X Tredyffrin Twp.

Realign intersection and provide turning lanes and signalization.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PE	LOCAL	140			
DES	LOCAL			50	
CON	HWY				596
CON	STATE				149
ROW	HWY				320
ROW	LOCAL				100
ROW	STATE				80

Fiscal Year Total 140 0 50 0 1,245

Total FY 01-04 Cost 190

TIP# 6965 *Harmonyville Rd. Bridge II*

MPMS# 14337 over French Creek

Bridge Replacement

AQ Code X Warwick Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PE	STATE	200			
DES	STATE			200	
CON	STATE				900
ROW	STATE				20

Fiscal Year Total 200 0 200 0 920

Total FY 01-04 Cost 400

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6966 *Speakman's Covered Bridge - Frog Hollow/*

MPMS# 14200 Hephzibah Hill Rd. over Buck Run

Bridge Rehabilitation

AQ Code X East Fallowfield Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	100				
DES	STATE			100		
CON	STATE					500
ROW	STATE					20
Fiscal Year Total		100	0	100	0	520
Total FY 01-04 Cost					200	

TIP# 6967 *Clover Mill Rd. Bridge*

MPMS# 14594 over Pickering Creek

Bridge Replacement

AQ Code X West Pikeland Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	300				
DES	STATE			200		
CON	STATE					1,200
ROW	STATE					50
Fiscal Year Total		300	0	200	0	1,250
Total FY 01-04 Cost					500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Chester

TIP# 6968 *Yellow Springs Rd. Bridge*

MPMS# 14206 over Pickering Creek

Bridge Replacement

AQ Code X West Pikeland Twp.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	BR	240				
PE	STATE	60				
DES	BR			160		
DES	STATE			40		
CON	BR					880
CON	STATE					220
ROW	BR					40
ROW	STATE					10
Fiscal Year Total		300	0	200	0	1,150
		Total FY 01-04 Cost				500
Total for Chester		84,317	66,574	27,452	49,646	652,579
		Total FY 01-04 Cost				227,989

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7051 PA 291, INDUSTRIAL HIGHWAY

MPMS# 14822 CHESTER/TRAINER LINE TO FRANKLIN ST.

063C026 5 LANE WIDENING WITH CENTER TURN LANE

AQ Code 2005M Chester City

Widen to provide two travel lanes in each direction with a center turn lane, and sidewalks and parking on one side. Consideration is being given to narrowing the sidewalk in order to accommodate bicycle lanes.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	STATE		1,600		
CON	STU		6,400		
CON	STATE			2,000	
CON	STU			8,000	

Fiscal Year Total	0	8,000	10,000	0	0
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Total FY 01-04 Cost 18,000

TIP# 7129 I-95, DELAWARE EXPRESSWAY

MPMS# 14865 AT PA 352 (EDGMONT AVENUE)

063C059 CONSTRUCT RAMP ONTO SOUTHBOUND I-95

AQ Code 2002M Chester City

Construct a ramp from PA 352, Edgmont Ave. onto southbound I-95.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	HWY	3,600			
CON	STATE	400			

Fiscal Year Total	4,000	0	0	0	0
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Total FY 01-04 Cost 4,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7666 US 322, CONCHESTER ROAD

MPMS# 14747 US 1 (BALTIMORE PK.)-PA 452 (MARKET ST.)

063C065 CORRIDOR IMPROVEMENTS

AQ Code 2015/20M Concord Twp., Bethel Twp., Upper Chichester Twp.

Options being considered to enable US 322 to meet future traffic needs include widening the road to four lanes, the construction of jughandles, and the installation of median barriers.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	DEMO		4,400			
ENG	STATE		1,100			
ROW	DEMO			4,400		
ROW	STATE			1,100		
CON	DEMO					12,950
CON	HWY					35,050
CON	STATE					8,763
CON	STATE					3,238
Fiscal Year Total		0	5,500	5,500	0	60,001
		Total FY 01-04 Cost		11,000		

TIP# 7835 PA 3, WEST CHESTER PIKE

MPMS# 15437 CHESTER CO. LINE-US 1(TOWNSHIP LINE RD.)

063S207C CORRIDOR IMPROVEMENTS

AQ Code 2005O Newtown Twp., Haverford Twp.

Improve the safety of this corridor by installing a computerized traffic signal system, extending various left turn lanes, and closing openings in the median barrier.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	SFTY	675				
CON	STATE	75				
Fiscal Year Total		750	0	0	0	0
		Total FY 01-04 Cost		750		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7840 GOSHEN ROAD
MPMS# 15438 SOUTH OF DARBY-PAOLI ROAD
063S223S SAFETY IMPROVEMENT
AQ Code X Radnor Twp.

Improve safety by softening the curve.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	SFTY	69				
ROW	STATE	8				
CON	SFTY			630		
CON	STATE			70		
Fiscal Year Total		77	0	700	0	0
Total FY 01-04 Cost					777	

TIP# 7850 PA 452, MARKET STREET
MPMS# 15406 OVER AMTRAK
063C203 BRIDGE REPLACEMENT
AQ Code X Marcus Hook Boro., Lower Chichester Twp.

The existing two lane bridge (built in 1925) with shoulders and 8' wide sidewalks will be replaced in kind

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	BR	320				
ENG	STATE	80				
ROW	BR	40				
ROW	STATE	10				
CON	BR			5,600		
CON	STATE			1,400		
Fiscal Year Total		450	0	7,000	0	0
Total FY 01-04 Cost					7,450	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7852 **MACDADE BOULEVARD**
MPMS# 15408 OVER DARBY CREEK
063C103 BRIDGE REPLACEMENT
AQ Code X Darby Boro.

The scope of this project has not yet been determined.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	STATE	400				
ROW	STATE			200		
CON	BR					1,600
CON	STATE					400
Fiscal Year Total		400	0	200	0	2,000
		Total FY 01-04 Cost		600		

TIP# 7860 **P & W BICYCLE/PEDESTRIAN TRAIL (C046)**
MPMS# 15493 MARTHA BROWNS WOODS PARK TO
063S028Q SUGARTOWN RD.
AQ Code X Radnor Twp.

Construct a 2.2 mile, 10 foot wide (minimum) bicycle/pedestrian trail along the abandoned Philadelphia & Western railroad line in Radnor Township, from Martha Browns Woods Park to Sugartown Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	CMAQ	16				
ROW	STATE	4				
CON	STATE		1,150			
Fiscal Year Total		20	1,150	0	0	0
		Total FY 01-04 Cost		1,170		

TIP# 7868 **I-95, DELAWARE EXPRESSWAY**
MPMS# 15435 OVER DARBY CREEK
063M043A BRIDGE REHABILITATION
AQ Code X Ridley Twp., Tinicum Twp.

This bridge rehabilitation project includes improvements to the expansion joints, backwall, and abutments.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	BR		1,600			
CON	HWY		2,400			
CON	STATE		1,000			
Fiscal Year Total		0	5,000	0	0	0
		Total FY 01-04 Cost		5,000		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7872 FOLCROFT AVENUE

MPMS# 15008 OVER AMTRAK

063L002 BRIDGE REPLACEMENT

AQ Code X Folcroft Boro., Sharon Hill Boro.

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.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	BR		1,920			
CON	LOCAL		120			
CON	STATE		360			
Fiscal Year Total		0	2,400	0	0	0
		Total FY 01-04 Cost		2,400		

TIP# 7875 OLD FORGE RD. BRIDGE (#209)

MPMS# 15185 OVER ROCKY RUN CREEK

063L100 BRIDGE REPLACEMENT

AQ Code X Middletown Twp.

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)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR	16				
ROW	LOCAL	1				
ROW	STATE	3				
CON	BR		616			
CON	LOCAL		38			
CON	STATE		116			
Fiscal Year Total		20	770	0	0	0
		Total FY 01-04 Cost		790		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7878A PA 252, Providence Rd.

MPMS# 15345 Palmer's Mill Rd. to Kirk Ln.

AQ Code 2005M Widening, Signal Improvements

Upper Providence Twp.

Widening to four through lanes plus left turn lanes, paved shoulders/bicycle lanes, a new traffic signal at intersection with ramps to and from southbound US 1, and interconnection of three signals.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	LOCAL	60			
ROW	STATE	240			
CON	STATE			2,100	

Fiscal Year Total	300	0	2,100	0	0
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Total FY 01-04 Cost 2,400

TIP# 7878B PA 252, Providence Rd.

MPMS# 49316 Palmer's Mill Rd. to Kirk Ln.

AQ Code X Relocation of Rose Tree Tavern

Upper Providence Twp.

Relocation of Rose Tree Tavern away from the Providence Rd. / Rose Tree Rd. intersection.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	STATE		1,000		

Fiscal Year Total	0	1,000	0	0	0
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Total FY 01-04 Cost 1,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7879 *Chester Creek Bicycle/Pedestrian Trail*
MPMS# 47986 Former Chester Creek Branch Rail Line

AQ Code X Various Municipalities

Construction of a multi-purpose commuting and recreation trail on the out-of-service Chester Creek Branch rail line from the Wawa R3 train station in Chester Heights Borough to Upland Rd. in Chester Township.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	114				
DES	STU	457				
ROW	LOCAL			53		
ROW	STU			212		
CON	LOCAL					735
CON	STU					2,939
Fiscal Year Total		571	0	265	0	3,674
		Total FY 01-04 Cost		836		

TIP# 7880 *Crum Creek Rd.*
MPMS# 15188 over Crum Creek
Bridge Replacement
AQ Code X Marple Twp., Upper Providence Twp.

Total replacement of this County-owned bridge (built in 1924) which currently has a 3-ton weight limit.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	135				
DES	LOCAL	9				
DES	STATE	36				
ROW	BR		23			
ROW	LOCAL		2			
ROW	STATE		6			
CON	BR			660		
CON	LOCAL			44		
CON	STATE			176		
Fiscal Year Total		180	31	880	0	0
		Total FY 01-04 Cost		1,091		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7881 Locksley Rd.

MPMS# 15276 over Chester Creek

AQ Code X Bridge Replacement

Thornbury Twp.

Total replacement of this County-owned bridge (built in 1929) which currently has a 3-ton weight limit.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	143				
DES	LOCAL	10				
DES	STATE	38				
ROW	BR			38		
ROW	LOCAL			3		
ROW	STATE			10		
CON	BR				876	
CON	LOCAL				59	
CON	STATE				234	
Fiscal Year Total		191	0	51	1,169	0
Total FY 01-04 Cost					1,411	

TIP# 7882 US 1, Baltimore Pike

MPMS# 47987 Valley Rd. to Granite Run Mall

AQ Code 2002M Closed Loop Traffic Signal System

Middletown Twp.

Construction of a closed-loop traffic signal system, including signals on PA 352 between PA 452 and Granite Run Mall.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	40				
CON	STU		300			
Fiscal Year Total		40	300	0	0	0
Total FY 01-04 Cost					340	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7883 I-95/Conchester Highway Access Study

MPMS# 15477

AQ Code 2015/20M

Chester Twp.

Study to recommend solutions for (1) improving access to I-95 and US 322 from three industrial parks north of I-95 and the CSX Twin Oaks Automobile Intermodal Facility and (2) providing a safer interchange of I-95 and US 322.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	1,000				
PE	STATE		1,000			
DES	STATE				1,000	
CON	HWY					14,200
CON	STATE					1,800
ROW	STATE					3,000
Fiscal Year Total		1,000	1,000	0	1,000	19,000
Total FY 01-04 Cost					3,000	

TIP# 7884 PA 291, Essington Ave.

MPMS# 47989 at PA 420, Wanamaker Ave.

AQ Code X

Intersection Improvements

Tinicum Twp.

This project includes signal improvements, construction of a right turn lane on PA 291 eastbound, and construction of a left turn lane on PA 291 westbound to improve the functioning and safety of this intersection. Concurrently, the Township will eliminate a portion of Powhattan St. and make another portion one-way to eliminate traffic conflicts at the PA 291/PA 420 intersection.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	STATE	2				
ROW	STU	8				
CON	STATE			50		
CON	STU			300		
Fiscal Year Total		10	0	350	0	0
Total FY 01-04 Cost					360	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7885 US 13

MPMS# 47990 Morton Ave./12th St.- 9th St./Clover Ln.

Signal Modernization

AQ Code 2005M Chester City

Installation of a closed loop signal system covering 23 signalized intersections. The signals will be completely modernized with fiber optic cable and a central monitor computer. Preemption for emergency vehicles will be incorporated into the system. The project will also include three signals on Kerlin St. in the three blocks adjacent to US 13 between US 13 and I-95.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STU	120				
CON	STU				1,030	
Fiscal Year Total		120	0	0	1,030	0
		Total FY 01-04 Cost			1,150	

TIP# 7886 Haverford Rd.

MPMS# 15474 at College Ave.

Intersection Improvements

AQ Code X Haverford Twp.

Construction of left turn lanes on both approaches of Haverford Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	75				
ROW	LOCAL		95			
CON	STATE				495	
Fiscal Year Total		75	95	0	495	0
		Total FY 01-04 Cost			665	

TIP# 7887 Woodward Ave.

MPMS# 15498 over Tributary of Vernon Run

Bridge/Culvert Widening

AQ Code X Nether Providence Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	10				
CON	LOCAL			18		
CON	STATE			83		
Fiscal Year Total		10	0	101	0	0
		Total FY 01-04 Cost			111	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7888 PA 100, Creek Rd.

MPMS# 15229 over Harvey Run

AQ Code X Bridge Replacement
Chadds Ford Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PE	STATE	200			
DES	STATE			450	
CON	STATE				1,500

Fiscal Year Total	200	0	450	1,500	0
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Total FY 01-04 Cost	2,150
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TIP# 7889 US 30, Lancaster Ave.

MPMS# 14767 Wayne Ave. to Lowry's Lane

AQ Code 2005M Closed Loop Signal System
Radnor Twp.

Installation of a closed-loop signal system interconnecting 14 signals.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ				550

Fiscal Year Total	0	0	0	550	0
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Total FY 01-04 Cost	550
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TIP# 7890 US-1, Baltimore Pike

MPMS# 15367 at PA 352, Middletown Rd.

AQ Code X Interchange Improvement Study
Middletown Twp.

Preliminary engineering for the reconstruction of this cloverleaf interchange, originally built in 1939.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PLS	STATE	400			

Fiscal Year Total	400	0	0	0	0
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Total FY 01-04 Cost	400
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7891 *New Rd. (Crozierville Bridge)*
MPMS# 47992 over West Branch of Chester Creek
Bridge Rehabilitation
AQ Code X Aston Twp.

Deck and superstructure rehabilitation of this County-owned bridge built in 1931. This bridge serves SEPTA bus route 116.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR		24		
ROW	LOCAL		1		
ROW	STATE		5		
CON	BR				904
CON	LOCAL				56
CON	STATE				170

Fiscal Year Total	0	30	0	1,130	0
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Total FY 01-04 Cost 1,160

TIP# 7892 *7th St.*
MPMS# 47993 over Chester Creek
Bridge Rehabilitation
AQ Code X Chester City

Major rehabilitation/superstructure replacement of this County-owned bridge in downtown Chester. This bridge serves SEPTA bus routes 117 and 119 and currently has a 12 ton weight limit.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	BR	320			
DES	LOCAL	19			
DES	STATE	61			
ROW	BR			24	
ROW	LOCAL			1	
ROW	STATE			5	
CON	BR				1,240
CON	LOCAL				77
CON	STATE				233

Fiscal Year Total	400	0	30	1,550	0
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Total FY 01-04 Cost 1,980

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7893 *Springfield Rd.*

MPMS# 48171 at US 1, State Rd.

AQ Code X Intersection Improvements

Springfield Twp.

Widen Springfield Rd. and reconstruct/signalize intersection and approaches to allow for additional left turn capacity.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL	50				
CON	STATE				500	
Fiscal Year Total		50	0	0	500	0
		Total FY 01-04 Cost			550	

TIP# 7894 *3rd St.*

MPMS# 15362 over Broomall Lake & Trib. to Ridley Ck.

AQ Code X Dam Rehabilitation

Media Boro.

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.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	40				
PE	STATE	160				
DES	LOCAL		40			
DES	STATE		160			
CON	LOCAL				200	
CON	STATE				800	
Fiscal Year Total		200	200	0	1,000	0
		Total FY 01-04 Cost			1,400	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7895 *Chichester Ave.*

MPMS# 15479 at Meetinghouse Rd.

AQ Code X Intersection Improvements

Upper Chichester Twp.

This project includes intersection realignment, turn lanes, and signal improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	STATE	200			
ROW	STATE			500	
CON	STATE				1,000

Fiscal Year Total 200 0 500 1,000 0

Total FY 01-04 Cost 1,700

TIP# 7896 *US 13, Chester Pike/MacDade Blvd.*

MPMS# 47994 Morton Ave. to Wycombe Ave.

AQ Code 2005M Traffic Signal Interconnection

Various Municipalities

Includes preemption by SEPTA buses exiting Darby bus terminal onto MacDade Blvd. between Springfield Road and supermarket entrance.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ			1,276	

Fiscal Year Total 0 0 1,276 0 0

Total FY 01-04 Cost 1,276

TIP# 7897 *Baltimore Pike*

MPMS# 48168 Bishop Ave. - US 13, Church Ln.

AQ Code 2005M Traffic Signal Interconnection

Various Municipalities

This project runs from Bishop Ave. in Springfield Twp. to US 13, Church Ln. in Upper Darby Twp. It includes the optimization of 21 traffic signals and actuation of 7 side streets.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	CMAQ	200			
CON	CMAQ			900	

Fiscal Year Total 200 0 900 0 0

Total FY 01-04 Cost 1,100

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7900 I-95

MPMS# 48169 Airport to I-476

Intelligent Transportation System

AQ Code 20050 Tinicum Twp., Ridley Twp., Ridley Park Boro.

2 variable message signs, 7 closed circuit televisions, 10 detectors

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	400				
ROW	STATE			50		
CON	STATE				3,550	
Fiscal Year Total		400	0	50	3,550	0
		Total FY 01-04 Cost			4,000	

TIP# 7901 I-476

MPMS# 48170 US-1, Media Bypass to I-95

Intelligent Transportation System

AQ Code 20050 Marple, Springfield, Nether Providence, Ridley Twps.

6 variable message signs, 11 closed circuit televisions, loop application

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	800				
ROW	STATE			50		
CON	STATE				8,050	
Fiscal Year Total		800	0	50	8,050	0
		Total FY 01-04 Cost			8,900	

TIP# 7902 Sidewalks and Trail

MPMS# 50520 Turner Rd./Rogers Lane/Possum Hollow Rd.

Nether Providence Twp.

AQ Code X

Construction of pedestrian facilities to connect the Leiper-Smedley Trail with existing walkways and SEPTA's Wallingford train station.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	34				
CON	TE			344		
Fiscal Year Total		34	0	344	0	0
		Total FY 01-04 Cost			378	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7903 *Aston Bike Loop*

MPMS# 57402 Pennell, Concord, & Dutton Mill Rds.

Bicycle lanes and sidewalks

AQ Code X Aston Twp.

Pennell Rd. from Dutton Mill Rd. to Concord Rd. Concord Rd. from Pennell Rd. to Dutton Mill Rd. Dutton Mill Rd. from Concord Rd. to Pennell Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	CMAQ	28			
DES	LOCAL	7			
ROW	CMAQ	28			
ROW	LOCAL	7			
CON	CMAQ			387	
CON	LOCAL			97	

Fiscal Year Total

70

0

484

0

0

Total FY 01-04 Cost

554

TIP# 7904 *Oakland Road Corridor*

MPMS# 61695 Brandywine Battlefield National

Historic Landmark

AQ Code X Chadds Ford Twp.

Acquisition of historic and scenic easements along 1.3 miles of Oakland Road.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	2			
PE	LOCAL	5			
ROW	LOCAL			375	
ROW	TE			500	

Fiscal Year Total

7

0

875

0

0

Total FY 01-04 Cost

882

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7905 *Media Downtown Streetscape*

MPMS# 61701

AQ Code X

Media Boro.

Purchase/installation of streetscape improvements in central business district including signage, trash receptacles, re-setting of granite curbs, tree removal and replacement, parking meters, pedestrian signal heads, and new sidewalk.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	109			
CON	LOCAL				198
CON	TE				1,041

Fiscal Year Total	109	0	0	1,239	0
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Total FY 01-04 Cost	1,348
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TIP# 7906 *Wayne Train Station Renovation*

MPMS# 61702

AQ Code X

Radnor Twp.

Renovation of active train station.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	462			
CON	TTE	538			

Fiscal Year Total	1,000	0	0	0	0
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Total FY 01-04 Cost	1,000
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TIP# 7907 *Intermodal Transportation Improvements*

MPMS# 61703

Swarthmore Boro.

AQ Code X

Swarthmore Boro.

Implementation of streetscape and non-motorized circulation improvements in central business district; creation of pedestrian plaza.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	80			
ROW	LOCAL			350	
CON	LOCAL				165
CON	TE				850

Fiscal Year Total	80	0	350	1,015	0
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Total FY 01-04 Cost	1,445
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7908 *Baltimore Ave./Pike*

MPMS# 57750 Orange St. to Grandview Ave.

Signalization Improvements

AQ Code 2005M Media Boro., Nether Providence Twp.

Upgrade and interconnect 13 traffic signals on Baltimore Pike, Providence Road, and Orange St. in Media Borough and Nether Providence Township. Baltimore Pike, 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.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	168			
CON	CMAQ			660	
Fiscal Year Total		168	0	660	0
		Total FY 01-04 Cost		828	

TIP# 7909 *State Rd. from Rt. 3, West Chester Pike*

MPMS# 57756 to US 1, Township Line Rd.

Closed Loop Traffic Signal System

AQ Code 2005M Upper Darby Township

Installation of closed loop traffic signal system for 11 intersections to include removal of 11 obsolete traffic controllers, and installation of 11 new controllers. Install an interconnect hardwire to link the controllers. Goal: significantly reduce traffic congestion, delay, and idle time, as well as the resulting air pollution. State Road carries between 10,000 and 20,000 vehicles per day (with the higher traffic counts found towards US 1) on two travel lanes.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	35			
CON	CMAQ			318	
Fiscal Year Total		35	0	318	0
		Total FY 01-04 Cost		353	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7910 Morton Ave.

MPMS# 57757 at Swarthmore Ave.

AQ Code X Intersection and Pedestrian Improvements
Ridley Twp., Rutledge Boro.

Existing signalization and geometry is outdated. Substandard signal head configuration and size create safety hazard. Roadway geometry not adequate for proper turn movements, especially for buses and trucks. Traffic movement is affected by inability of buses to negotiate turns. Intersection is used by school buses. Proposed solution would be modernization of traffic signals, road widening and channelization; and sidewalk and curb improvements between the intersection and Ridley High School.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY		120			
DES	LOCAL		30			
ROW	HWY				160	
ROW	LOCAL				40	
CON	HWY					640
CON	LOCAL					160
Fiscal Year Total		0	150	0	200	800
			Total FY 01-04 Cost		350	

TIP# 7911 Grant Ave.

MPMS# 57770 over Muckinipates Creek

AQ Code X Bridge Replacement
Glenolden Boro., Folcroft Boro.

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)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR		280			
DES	LOCAL		17			
DES	STATE		53			
ROW	BR			16		
ROW	LOCAL			1		
ROW	STATE			3		
CON	BR					896
CON	LOCAL					56
CON	STATE					168
Fiscal Year Total		0	350	20	0	1,120
			Total FY 01-04 Cost		370	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7912 Convent Rd.

MPMS# 57772 over Chester Creek

Bridge Replacement

AQ Code X Aston Twp.

The existing county owned bridge, posted at twenty tons and serving an industrial community, shall be completely reconstructed to improve structural, hydraulic and geometric deficiencies. The new bridge will have two-lane geometry with a sidewalk along one side of the bridge. The bridge shows significant scour and undermine damage to its pier. The bridge currently has a PennDOT sufficiency rating of 18.3.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR		320			
DES	LOCAL		20			
DES	STATE		60			
ROW	BR			40		
ROW	LOCAL			2		
ROW	STATE			8		
CON	BR					1,360
CON	LOCAL					85
CON	STATE					255
Fiscal Year Total		0	400	50	0	1,700
Total FY 01-04 Cost					450	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7913 *Lloyd St.*

MPMS# 57773 over Amtrak, btw. 5th & 6th Streets

Bridge Replacement

AQ Code X Chester City

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)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	BR		200			
PE	LOCAL		13			
PE	STATE		38			
DES	BR				320	
DES	LOCAL				20	
DES	STATE				60	
CON	BR					3,200
CON	LOCAL					200
CON	STATE					600
ROW	BR					800
ROW	LOCAL					50
ROW	STATE					150
Fiscal Year Total		0	251	0	400	5,000
			Total FY 01-04 Cost		651	

TIP# 7914 *Concord Twp. Closed Loop System*

MPMS# 57778

AQ Code 2005M Concord Twp.

Route 1: US 202 to Cheyney Road (SR 4015)

Route 202: State Farm Drive to Naaman's Creek Road (SR 0491)

Both Route 202 and Route 1 through Concord Township carry extremely high traffic volumes. An interconnected traffic signal system would improve traffic flow along these busy corridors and would reduce congestion and vehicle emissions. Planned growth along this corridor will require the added capacity that this system will provide. Ten signals will be interconnected.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	100				
CON	CMAQ			400		
Fiscal Year Total		100	0	400	0	0
			Total FY 01-04 Cost		500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7915 *Chester City Access Improvements*

MPMS# 57780 btw. I-95 and PA 291

AQ Code X

Chester City

Construction of I-95 and US 322 ramps, widening of streets and intersections, increasing vertical clearances at Amtrak bridges, and signing. These improvements will provide 2 access corridors, one in the west end of Chester and one in the east end, for truck and general traffic traveling between I-95 and PA 291. These improvements are needed because current access for trucks and general traffic between I-95 and PA 291 is poor, with numerous obstacles.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE			1,500		
CON	HWY					16,000
CON	STATE					4,000
DES	HWY					1,120
DES	STATE					280
ROW	HWY					800
ROW	STATE					200
Fiscal Year Total		0	0	1,500	0	22,400
		Total FY 01-04 Cost			1,500	

TIP# 7916 *Old West Chester Pike*

MPMS# 57740 over Darby Creek

AQ Code X Bridge Replacement
Haverford Twp., Marple Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	75				
DES	STATE			200		
ROW	STATE				10	
CON	STATE					1,000
Fiscal Year Total		75	0	200	10	1,000
		Total FY 01-04 Cost			285	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Delaware

TIP# 7917 I-476, southbound

MPMS# 51219 Marple Rd. to Bryn Mawr Ave.

Noise Walls

AQ Code X Radnor Twp., Haverford Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	ST-SP	4,608				
Fiscal Year Total		4,608	0	0	0	0
		Total FY 01-04 Cost		4,608		
Total for Delaware		17,350	26,627	35,604	25,388	116,695
		Total FY 01-04 Cost		104,969		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8369 Blair Mill Rd.

MPMS# 16114 County Line Rd. to PA 63, Welsh Rd.

064C035 Widen, Intersection Improvements

AQ Code 2015/20M Horsham, Upper Moreland, Upper Dublin Twps.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	358				
DES	STU	1,074				
ROW	HWY		1,600			
ROW	STATE		400			
CON	HWY			7,200		
CON	STATE			1,800		
CON	HWY				7,200	
CON	STATE				1,800	
Fiscal Year Total		1,432	2,000	9,000	9,000	0
		Total FY 01-04 Cost		21,432		

TIP# 8382A US 202 (SECTION 400), GULPH RD. TO

MPMS# 16210 WARNER RD. AND I-76 (see #6799)

064C202 WIDENING AND ACCESS IMPROVEMENTS

AQ Code 2002M Upper Merion Twp.

US 202 stretches from Wilmington, Delaware to Bangor, Maine. In the DVRPC region, US 202 covers 61 miles, traversing 27 municipalities. It serves as a major commuter route and is a vital link for business and industry. For planning purposes, US 202 has been divided into eight sections. The limits of Section 400 are from PA 252 to I-76. Traffic volumes in this section of US 202 exceed 80,000 AADT.

This project will increase the capacity of US 202 by widening a 2.6 mile section from four to six lanes. Interchange improvements will be made at I-76 and Warner Road, US 422, Swedesford Road, and Chesterbrook. The Warner Road and Old Eagle School Road bridges will be replaced and a new ramp will be constructed parallel to US 202 along the abandoned Chester Valley Railroad right-of-way that will connect an extended Devon Park Drive and the US 422 interchange to eastbound I-76. PennDOT has identified this as an SOV Project and has completed the required Congestion Management System (CMS) Analysis. This analysis resulted in additional projects being recommended to mitigate congestion during and after the construction of this improvement. Specific CMS projects include subsidies to SEPTA for new transit service.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY	11,600				
CON	STATE	2,400				
CON	HWY		8,000			
CON	STATE		2,000			
Fiscal Year Total		14,000	10,000	0	0	0
		Total FY 01-04 Cost		24,000		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8382C US 202 (SEC. 405)

MPMS# 16732 FROM I-76 TO CONRAIL BRIDGE

064C204

AQ Code 2005M

Upper Merion Twp., Tredyffrin Twp.

US 202 stretches from Wilmington, Delaware to Bangor, Maine. In the DVRPC region, US 202 covers 61 miles, traversing 27 municipalities. It serves as a major commuter route and is a vital link for business and industry. For planning purposes, US 202 has been divided into eight sections. The limits of Section 400 are from PA 252 to I-76. Traffic volumes in this section of US 202 exceed 80,000 AADT.

This project will increase the capacity of US 202 by widening a 2.6 mile section from four to six lanes. Interchange improvements will be made at I-76 and Warner Road, US 422, Swedesford Road, and Chesterbrook. The Warner Road and Old Eagle School Road bridges will be replaced and a new ramp will be constructed parallel to US 202 along the abandoned Chester Valley Railroad right-of-way that will connect an extended Devon Park Drive and the US 422 interchange to eastbound I-76. PennDOT has identified this as an SOV Project and has completed the required Congestion Management System (CMS) Analysis. This analysis resulted in additional projects being recommended to mitigate congestion during and after the construction of this improvement. Specific CMS projects include subsidies to SEPTA for new transit service.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
CON	HWY	4,000				
CON	STATE	1,000				
CON	HWY		6,400			
CON	STATE		1,600			
Fiscal Year Total		5,000	8,000	0	0	0
			Total FY 01-04 Cost	13,000		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8382E US 202 (SEC. 404)/ US 422 INTERCHANGE

MPMS# 16733

064C205

AQ Code 2005M

Upper Merion Twp., Tredyffrin Twp.

US 202 stretches from Wilmington, Delaware to Bangor, Maine. In the DVRPC region, US 202 covers 61 miles, traversing 27 municipalities. It serves as a major commuter route and is a vital link for business and industry. For planning purposes, US 202 has been divided into eight sections. The limits of Section 400 are from PA 252 to I-76. Traffic volumes in this section of US 202 exceed 80,000 AADT.

This project will increase the capacity of US 202 by widening a 2.6 mile section from four to six lanes. Interchange improvements will be made at I-76 and Warner Road, US 422, Swedesford Road, and Chesterbrook. The Warner Road and Old Eagle School Road bridges will be replaced and a new ramp will be constructed parallel to US 202 along the abandoned Chester Valley Railroad right-of-way that will connect an extended Devon Park Drive and the US 422 interchange to eastbound I-76. PennDOT has identified this as an SOV Project and has completed the required Congestion Management System (CMS) Analysis. This analysis resulted in additional projects being recommended to mitigate congestion during and after the construction of this improvement. Specific CMS projects include subsidies to SEPTA for new transit service.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY	13,000				
CON	STATE	3,250				
CON	HWY		16,000			
CON	STATE		4,000			
Fiscal Year Total		16,250	20,000	0	0	0
		Total FY 01-04 Cost		36,250		

TIP# 8408 DRESHER ROAD

MPMS# 16299 HORSHAM ROAD (PA 463) TO PA 63 WELSH RD

064L072 WIDENING TO 48 FEET, ADD A LANE BY DIREC

AQ Code 2002M Horsham Twp.

The existing road width varies between two, three, and four lanes. The project consists of drainage improvements and widening the roadway to four lanes throughout, with 5' shoulders/bike lanes.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL	460				
CON	LOCAL		1,200			
CON	STU		1,800			
Fiscal Year Total		460	3,000	0	0	0
		Total FY 01-04 Cost		3,460		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8427 SALFORDVILLE ROAD

MPMS# 15793 OVER EAST BRANCH OF PERKIOMEN CREEK

064C086 BRIDGE REPLACEMENT

AQ Code X Lower Salford Twp.

Replace the existing two lane bridge with no shoulders with a two lane bridge with shoulders and improve the horizontal alignment by relocating the bridge and tying it in to the Groff's Mill Rd. intersection.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ENG	STATE	200			
ROW	STATE		150		
CON	STATE			1,400	

Fiscal Year Total 200 150 1,400 0

0

Total FY 01-04 Cost 1,750

TIP# 8434 CAMP ROAD

MPMS# 16099 OVER EAST BRANCH OF PERKIOMEN CREEK

064C087 BRIDGE REPLACEMENT

AQ Code X Franconia Twp., Salford Twp.

Replace the existing two lane bridge with no shoulders with a two lane bridge with shoulders and make a minor horizontal realignment to the S-curve.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR	120			
ROW	STATE	30			
CON	BR		1,120		
CON	STATE		280		

Fiscal Year Total 150 1,400 0 0

0

Total FY 01-04 Cost 1,550

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8436 GREENWOOD AVENUE

MPMS# 16197 OVER SEPTA COMMUTER RAIL MAINLINE

064C089 BRIDGE REPLACEMENT

AQ Code X Cheltenham Twp., Jenkintown Boro.

This project involves replacing in kind the existing three lane bridge with sidewalk on one side, tying into the adjacent intersection and SEPTA driveways.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR			520	
ROW	STATE			130	
CON	BR				2,640
CON	STATE				660

Fiscal Year Total 0 0 650 0 3,300

Total FY 01-04 Cost 650

TIP# 8446 SPRING MOUNT ROAD

MPMS# 16098 OVER PERKIOMEN CREEK

064C081 BRIDGE REPLACEMENT

AQ Code X Lower Frederick Twp.

This 18' wide bridge built in 1869 will be replaced with a 28' wide bridge with two 11' lanes and 3' shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR	60			
ROW	STATE	15			
CON	BR		1,280		
CON	STATE		320		

Fiscal Year Total 75 1,600 0 0 0

Total FY 01-04 Cost 1,675

TIP# 8451 CONSHOHOCKEN ROAD

MPMS# 16237 OVER CONRAIL

064C090 BRIDGE REPLACEMENT

AQ Code X Plymouth Twp.

This project involves replacing the existing two lane bridge with a two lane bridge with shoulders, and drainage and guiderail improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR			4,480	
CON	STATE			1,120	

Fiscal Year Total 0 0 5,600 0 0

Total FY 01-04 Cost 5,600

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8475 CHURCH ROAD

MPMS# 16155 OVER AMTRAK & SEPTA R5 RAIL LINE

064L076 BRIDGE REPLACEMENT

AQ Code X Lower Merion Twp.

The existing 18' wide bridge with no shoulders will be replaced with a 24' wide bridge with two 10' lanes and 2' shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR	2,400			
ROW	LOCAL	150			
ROW	STATE	450			
CON	BR		1,884		
CON	LOCAL		118		
CON	STATE		353		

Fiscal Year Total	3,000	2,355	0	0	0
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Total FY 01-04 Cost 5,355

TIP# 8518 US 30, LANCASTER AVENUE

MPMS# 16335 AT HAVERFORD STATION ROAD

064S503N INTERSECTION IMPROVEMENT

AQ Code X Lower Merion Twp.

Modernize the traffic signal and add a left turn lane on eastbound US 30.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	HWY		460		
CON	STATE		115		

Fiscal Year Total	0	575	0	0	0
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Total FY 01-04 Cost 575

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8519 PA 73, CHURCH ROAD

MPMS# 16334 GREENWOOD AVE. TO RICE'S MILL RD.

064S504N INTERSECTION IMPROVEMENTS

AQ Code X Cheltenham Twp.

Interconnect the traffic signals and add left turn lanes on the PA 73 approaches to Greenwood Ave. and on eastbound PA 73 at Rice's Mill Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	HWY	416			
DES	STATE	104			
ROW	HWY	80			
ROW	STATE	20			
CON	HWY		969		
CON	STATE		243		

Fiscal Year Total 620 1,212 0 0 0

Total FY 01-04 Cost 1,832

TIP# 8525 BRIDGE ROAD

MPMS# 15772 OVER SKIPPACK CREEK

064C085 BRIDGE REPLACEMENT

AQ Code X Lower Salford Twp.

The existing two lane bridge will be replaced with a two lane bridge with shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR		960		
CON	STATE		240		

Fiscal Year Total 0 1,200 0 0 0

Total FY 01-04 Cost 1,200

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8528 MERION AVENUE

MPMS# 16180 OVER AMTRAK & SEPTA R5 RAIL LINE

064L078 BRIDGE REPLACEMENT

AQ Code X Lower Merion Twp.

The existing two lane bridge with sidewalk on one side will be replaced in kind. The approaches will be raised to slightly reduce the hump.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR	1,600			
ROW	LOCAL	100			
ROW	STATE	300			
CON	BR		1,760		
CON	LOCAL		110		
CON	STATE		330		

Fiscal Year Total 2,000 2,200 0 0 0

Total FY 01-04 Cost 4,200

TIP# 8537 US 202, DEKALB PIKE (SECTION 610)

MPMS# 50364 JOHNSON HIGHWAY TO MORRIS RD.

064C076 WIDEN TO FOUR LANES

AQ Code 2015/20M Whitpain Twp., E. Norriton Twp., Norristown Boro.

US 202 stretches from Wilmington, Delaware to Bangor, Maine. In the DVRPC region, US 202 covers 61 miles, traversing 27 municipalities. It serves as a major commuter route and is a vital link for business and industry. For planning purposes, US 202 has been divided into eight sections. The limits of Section 600 are from Johnson Highway to PA 309.

This project is currently in final design. Improvements include widening US 202 from two to four or five lanes and intersection improvements at major intersections.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	DEMO		3,558		
ROW	HWY		1,242		
ROW	STATE		1,200		
ROW	HWY			4,800	
ROW	STATE			1,200	
CON	HWY				35,200
CON	STATE				8,800

Fiscal Year Total 0 6,000 6,000 0 44,000

Total FY 01-04 Cost 12,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8551 MORRIS ROAD

MPMS# 16376 AT NORTH WALES ROAD

064S8302 INTERSECTION IMPROVEMENT

AQ Code X Worcester Twp., Whitpain Twp.

This project involves aligning the intersection of North Wales Rd. with Morris Rd., installing a traffic signal, and providing left turn lanes on all intersection approaches.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	HWY		920		
CON	STATE		230		

Fiscal Year Total 0 1,150 0 0 0

Total FY 01-04 Cost 1,150

TIP# 8560 PA-29

MPMS# 16382 at 1st Ave. and 2nd Ave.

064L309 Intersection Improvement

AQ Code X Collegeville Boro.

Relocate intersection of Main St./1st Ave; provide turn lanes on Main St., 1st Ave., and 2nd Ave.; and interconnect signals.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	DEMO	240			
DES	STATE	60			
ROW	DEMO		255		
ROW	HWY		545		
ROW	STATE		200		
CON	HWY			960	
CON	STATE			240	

Fiscal Year Total 300 1,000 1,200 0 0

Total FY 01-04 Cost 2,500

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8572A PA 309, FT. WASHINGTON EXPRESSWAY

MPMS# 16479 GREENWOOD AVE. TO CHURCH RD.

064M5402 RECONSTRUCTION

AQ Code X Cheltenham Twp., Springfield Twp.

The PA 309 Reconstruction Project consists of the complete removal and replacement of the existing roadway, widening the shoulders on both sides of the road in each direction, extending the acceleration and deceleration lanes, reconfiguring the Easton Rd. and PA Turnpike interchanges, and noise abatement. The project also involves rehabilitating all of the existing structures, including redecking and widening to accommodate the wider roadway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	DEMO		17,588			
CON	STATE		4,397			
CON	HWY			16,000		
CON	STATE			4,000		
CON	HWY				4,652	
CON	STATE				1,163	
Fiscal Year Total		0	21,985	20,000	5,815	0
			Total FY 01-04 Cost		47,800	

TIP# 8572C PA 309, FT. WASHINGTON EXPRESSWAY

MPMS# 16477 WELSH RD. TO HIGHLAND AVE.

064M5401 RECONSTRUCTION

AQ Code X Lower Gwynedd Twp., Upper Dublin Twp.

The PA 309 Reconstruction Project consists of the complete removal and replacement of the existing roadway, widening the shoulders on both sides of the road in each direction, extending the acceleration and deceleration lanes, and reconfiguring the Easton Rd. and PA Turnpike interchanges. The project also involves rehabilitating all of the existing structures, including redecking and widening to accommodate the wider roadway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY			24,000		
CON	STATE			6,000		
CON	HWY				18,400	
CON	STATE				4,600	
Fiscal Year Total		0	0	30,000	23,000	0
			Total FY 01-04 Cost		53,000	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8586 **PENNSYLVANIA AVENUE**
MPMS# 16433 AT CAMP HILL ROAD
064M012A INTERSECTION IMPROVEMENT
AQ Code X Springfield Twp.

Align Camp Hill Rd. with Pennsylvania Ave. and install a traffic signal and add left turn lanes on Pennsylvania Ave.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	STATE	75				
ENG	STU	225				
ROW	STATE		138			
ROW	STU		552			
CON	STATE					700
CON	STU					2,800
Fiscal Year Total		300	690	0	0	3,500
		Total FY 01-04 Cost				990

TIP# 8590 **NORTH PENN INTERSECTION IMPROVEMENTS**

MPMS# 16428 GROUP 1

064S004L
AQ Code X Hatfield Twp., Montgomery Twp.

- US 202 at PA 463, Horsham Rd., and PA 309 (Five Points): add right turn lane on westbound Horsham Rd.
- PA 463, Cowpath Rd. at Orvilla Rd.: add right turn lane on southbound Orvilla Rd. and widen northbound Orvilla Rd. for left turn lane

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY	480				
CON	STATE	120				
Fiscal Year Total		600	0	0	0	0
		Total FY 01-04 Cost				600

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8591 NORTH PENN INTERSECTION IMPROVEMENTS

MPMS# 16429 GROUP 2

064S005L

AQ Code X

U. Gwynedd, Montgomery, Worcester, Lansdale

- Morris Rd. at PA 363, Valley Forge Rd.: add right turn lane on northbound PA 363
- Allentown Rd. at PA 363, Valley Forge Rd.: add right turn lane on northbound PA 363
- Main St. at Church Rd.: add right turn lane on westbound Main St.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY	460				
CON	STATE	115				
Fiscal Year Total		575	0	0	0	0
		Total FY 01-04 Cost		575		

TIP# 8599A PA 309, FT. WASHINGTON INTERCHANGE

MPMS# 16476 CHURCH RD. TO HIGHLAND AVE.

064M5400

RECONSTRUCTION

AQ Code X

Upper Dublin Twp., Whitmarsh Twp.

The PA 309 Reconstruction Project consists of the complete removal and replacement of the existing roadway, widening the shoulders on both sides of the road in each direction, extending the acceleration and deceleration lanes, and reconfiguring the Easton Rd. and PA Turnpike interchanges. The project also involves rehabilitating all of the existing structures, including redecking and widening to accommodate the wider roadway and lengthening the bridges carrying Norfolk Southern's Morrisville Line and the PA Turnpike Mainline bridge over PA 309. The project also includes ITS components.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY		8,000			
CON	STATE		2,000			
CON	HWY			18,440		
CON	STATE			2,860		
CON	HWY				12,000	
CON	STATE				3,000	
Fiscal Year Total		0	10,000	21,300	15,000	0
		Total FY 01-04 Cost		46,300		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8599B PA 309, Ft. Washington Interchange

MPMS# 50526 Church Rd. to Highland Ave.

Replace Overhead Structures

AQ Code X Upper Dublin Twp., Whitmarsh Twp.

Replace three bridges (Madison Ave., Summit Ave., and PA Turnpike) over PA 309.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY		12,000			
CON	STATE		3,000			
Fiscal Year Total		0	15,000	0	0	0
		Total FY 01-04 Cost		15,000		

TIP# 8601A OLD BETZWOOD BRIDGE

MPMS# 16489 OVER SCHUYLKILL RIVER

064C078 BRIDGE REPLACEMENT

AQ Code 2005M West Norriton Twp., Upper Merion Twp.

The new bridge will have two lanes with 8' shoulders on both sides and a 12' wide bicycle/pedestrian path separated from the road by barriers.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR	160				
ROW	STATE	40				
CON	BR			5,440		
CON	STATE			1,360		
Fiscal Year Total		200	0	6,800	0	0
		Total FY 01-04 Cost		7,000		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8601B OLD BETZWOOD BRIDGE BIKE/PED. TRAIL(C047)

MPMS# 16703 PA 23 TO PA 422/PA 363 INTERCHANGE

064S022Q WIDEN REPLACEMENT BR., CONSTRUCT TRAIL

AQ Code X Upper Merion Twp., West Norriton Twp.

This project is being developed in conjunction with the Old Betzwood Bridge Replacement project (TIP #8601A). The new bridge over the Schuylkill River will accommodate bicycles and pedestrians with a 12' wide barrier separated path. Trails will also be constructed from the existing Montgomery County Schuylkill Trail to the new bridge and from the bridge to PA 23 in Valley Forge Park.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR	16				
ROW	STATE	4				
CON	BR		640			
CON	STATE		160			
Fiscal Year Total		20	800	0	0	0
			Total FY 01-04 Cost		820	

TIP# 8610 PA 309, BETHLEHEM PIKE

MPMS# 16555 PA 463 (5 POINTS) TO NORTH WALES RD.

064S204C CORRIDOR IMPROVEMENT

AQ Code 2002M Montgomery Twp.

Widen to accommodate a center left turn lane.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	CMAQ	402				
ROW	STATE	100				
CON	CMAQ		460			
CON	STATE		115			
Fiscal Year Total		502	575	0	0	0
			Total FY 01-04 Cost		1,077	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8611 PA 309, BETHLEHEM PIKE
MPMS# 16556 SELLERSVILLE BYPASS TO PA 463
064S205C CORRIDOR IMPROVEMENT
AQ Code 2005M Hilltown Twp., Hatfield Twp., Montgomery Twp.

Widen to accommodate a center left turn lane.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STATE			1,240		
CON	STU			4,960		
Fiscal Year Total		0	0	6,200	0	0
Total FY 01-04 Cost				6,200		

TIP# 8617 GERMANTOWN PIKE
MPMS# 16519 SANDY HILL ROAD TO LAUNFALL ROAD
064S224M SIGNAL IMPROVEMENT & LEFT TURN LANES
AQ Code 2002M Plymouth Twp.

This project involves interconnecting the traffic signals and widening to provide a left turn lane on westbound Germantown Pike at Sandy Hill Rd., a right turn lane on westbound Germantown Pike at Walton Rd., and dual left turn lanes on southbound Walton Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STATE	276				
CON	STU	1,104				
Fiscal Year Total		1,380	0	0	0	0
Total FY 01-04 Cost				1,380		

TIP# 8624 RIDGE PIKE
MPMS# 16577 BUTLER PIKE TO PHILADELPHIA LINE
064L821 RECONSTRUCTION
AQ Code X Whitmarsh Twp., Springfield Twp.

This project involves reconstructing the road, upgrading the traffic signals, and adding turn lanes where needed.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	HWY		400			
ROW	LOCAL		100			
CON	HWY					4,000
CON	LOCAL					1,000
Fiscal Year Total		0	500	0	0	5,000
Total FY 01-04 Cost				500		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8633B SUMNEYTOWN PIKE

MPMS# 16578 SUPPLEE RD. TO WEST POINT PIKE

INTERSECTION IMPROVEMENT, WIDENING

AQ Code 2005M Upper Gwynedd Twp.

This portion of the project involves widening Sumneytown Pike to 4 or 5 lanes and replacing the rail overpass to accommodate the widening. This improvement is a partnership project with Merck.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	LOCAL	150			
ROW	STU	600			
CON	LOCAL			1,200	
CON	STU			4,800	

Fiscal Year Total 750 0 6,000 0 0

Total FY 01-04 Cost 6,750

TIP# 8634 PA 363, Valley Forge Rd.

MPMS# 16565 at Sumneytown Pike

064L829 Intersection Improvement

AQ Code X Towamencin Twp., Upper Gwynedd Twp.

Widen all approaches for left turn lanes.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	HWY			7,200	
CON	STATE			1,800	

Fiscal Year Total 0 0 9,000 0 0

Total FY 01-04 Cost 9,000

TIP# 8657 PA 73 (BIG RD.)

MPMS# 16534 AT SWAMP PIKE AND GILBERTSVILLE RD.

064S006L INTERSECTION IMPROVEMENT

AQ Code X Douglass Twp.

This project consists of signalizing the intersection, adding left turn lanes on PA 73 at Gilbertsville Rd., and aligning the Gilbertsville Rd./Swamp Pike intersection.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	HWY	400			
CON	STATE	100			

Fiscal Year Total 500 0 0 0 0

Total FY 01-04 Cost 500

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8660 PA 363, TROOPER ROAD

MPMS# 16669 AT US 422 OFF RAMP

064S4101 SIGNALIZATION & RAMP MODIFICATION

AQ Code X Lower Providence Twp., West Norriton Twp.

Widen the US 422 westbound off ramp at PA 363 and install a traffic signal.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STATE		60			
CON	STU		240			
Fiscal Year Total		0	300	0	0	0
			Total FY 01-04 Cost		300	

TIP# 8661 PA 23 AT OLD BETZWOOD BRIDGE

MPMS# 16490 INTERSECTION IMPROVEMENTS

064S4100

AQ Code X Upper Merion Twp.

Install a traffic signal at the intersection of Trooper Rd. and PA 23, add a left turn lane on eastbound Trooper Rd. at PA 23, upgrade the traffic signal at PA 23 and Outer Line Dr., and add a left turn lane on eastbound PA 23 at Outer Line Dr.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STATE		100			
CON	STU		400			
Fiscal Year Total		0	500	0	0	0
			Total FY 01-04 Cost		500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8670 FRUITVILLE ROAD
MPMS# 16408 OVER PERKIOMEN CREEK
064L094 BRIDGE REPLACEMENT (#232)
AQ Code X Upper Hanover Twp.

The existing bridge will be maintained by Upper Hanover Township for recreational use.
The new bridge will be constructed on a different alignment (location to be determined) and will have two lanes with shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR				160	
ROW	LOCAL				10	
ROW	STATE				30	
CON	BR					2,000
CON	LOCAL					125
CON	STATE					375
Fiscal Year Total		0	0	0	200	2,500
		Total FY 01-04 Cost			200	

TIP# 8672 ARCOLA ROAD
MPMS# 16400 OVER PERKIOMEN CREEK
064L092 BRIDGE REPLACEMENT (#155)
AQ Code X Lower Providence Twp., Upper Providence Twp.

The existing bridge is 26' wide with sidewalk on the south side. The new bridge will be two lanes, width to be determined, with sidewalk on at least one side.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR				160	
ROW	LOCAL				10	
ROW	STATE				30	
CON	BR					2,400
CON	LOCAL					150
CON	STATE					450
Fiscal Year Total		0	0	0	200	3,000
		Total FY 01-04 Cost			200	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8675 PENNSYLVANIA AVENUE
MPMS# 16423 OVER SEPTA R5-DOYLESTOWN LINE
064L104 BRIDGE REPLACEMENT
AQ Code X North Wales Boro.

The existing bridge was originally two lanes, but was reduced to one lane due to deteriorated sidewalks. Part of the roadway has been separated with "jersey barriers" and is currently serving as the sidewalk. The new bridge will have two lanes with sidewalk on one side.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR	1,440			
CON	LOCAL	90			
CON	STATE	270			

Fiscal Year Total 1,800 0 0 0 0

Total FY 01-04 Cost 1,800

TIP# 8682 HIMMELWRIGHT ROAD
MPMS# 16399 OVER BRANCH OF PERKIOMEN CREEK
064L099 BRIDGE REPLACEMENT (#92)
AQ Code X Douglass Twp.

Replacement of the existing 17' wide bridge with a 28' wide bridge with two lanes and shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR		800		
CON	LOCAL		200		

Fiscal Year Total 0 1,000 0 0 0

Total FY 01-04 Cost 1,000

TIP# 8684 COLONIAL ROAD
MPMS# 16176 OVER SWAMP CREEK
064L087 BRIDGE REPLACEMENT (#106)
AQ Code X Upper Frederick Twp.

The existing 16' wide bridge currently has a 3 ton weight restriction. The new bridge will be 24' wide, with two lanes and minimal shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR				80
ROW	LOCAL				20
CON	BR				800
CON	LOCAL				200

Fiscal Year Total 0 0 0 100 1,000

Total FY 01-04 Cost 100

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8685 SWAMP CREEK ROAD
MPMS# 16147 OVER SWAMP CREEK
064L086 BRIDGE REPLACEMENT (#107)
AQ Code X Douglass Twp.

The existing 20' wide bridge will be replaced with a 24' to 32' wide bridge, with two lanes, shoulders, and sidewalk on at least one side.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	BR	600				
CON	LOCAL	37				
CON	STATE	113				
Fiscal Year Total		750	0	0	0	0
		Total FY 01-04 Cost		750		

TIP# 8686 CEDAR HILL ROAD
MPMS# 16548 OVER PARK CREEK
064L101 BRIDGE REPLACEMENT (#120)
AQ Code X Horsham Twp.

This project involves replacing the existing one lane, 15' wide bridge with a 32' wide bridge and improving its horizontal alignment.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	LOCAL		100			
CON	STATE		560			
Fiscal Year Total		0	660	0	0	0
		Total FY 01-04 Cost		660		

TIP# 8687 ROBERTS ROAD
MPMS# 16157 OVER SKIPPACK CREEK
064L097 BRIDGE REPLACEMENT (#145)
AQ Code X Lower Salford Twp.

The existing 11' wide bridge will be replaced with a minimum 24' wide bridge, with no shoulders or sidewalks.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL				10	
CON	BR					800
CON	LOCAL					50
CON	STATE					150
Fiscal Year Total		0	0	0	10	1,000
		Total FY 01-04 Cost		10		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8688 HEDRICK ROAD

MPMS# 16151 OVER TOWAMENCIN CREEK

064L098 BRIDGE REPLACEMENT (#217)

AQ Code X Towamencin Twp.

The existing 20' wide bridge is currently closed to traffic. The new bridge will be at least 24' wide, with two lanes and shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL			10		
CON	BR					640
CON	LOCAL					40
CON	STATE					120
Fiscal Year Total		0	0	10	0	800
		Total FY 01-04 Cost			10	

TIP# 8690 GLENSIDE AVENUE

MPMS# 15999 OVER TACONY CREEK

064L004 BRIDGE REPLACEMENT

AQ Code X Cheltenham Twp.

Replace the existing 20' wide bridge with a 24' wide bridge with sidewalk on one side.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	LOCAL	380				
CON	STATE	1,195				
Fiscal Year Total		1,575	0	0	0	0
		Total FY 01-04 Cost			1,575	

TIP# 8695 RIVER ROAD

MPMS# 16267 OVER MILL CREEK

064L107 BRIDGE REPLACEMENT

AQ Code X Lower Merion Twp.

The existing two lane bridge with shoulders will be replaced with a two lane bridge with shoulders and possibly sidewalks to connect to the adjacent park.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL		4			
ROW	STATE		16			
CON	BR			736		
CON	LOCAL			46		
CON	STATE			138		
Fiscal Year Total		0	20	920	0	0
		Total FY 01-04 Cost			940	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8699 **MAIN, MARKLEY, AND DEKALB STREETS (C031)**
MPMS# 16701 FOREST-FORD, MAIN-JOHNSON, LAFAYETTE-
064S009Q JOHNSON SIGNAL COORDINATION & INTERCON.
AQ Code 2002M Norristown Boro.

This project will coordinate and interconnect the traffic signals on Main, Markley, and Dekalb streets with various local streets in the Borough of Norristown.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ		1,400		
Fiscal Year Total		0	1,400	0	0
Total FY 01-04 Cost					1,400

TIP# 8700 **CROSS COUNTY TRAIL, PHASE I (C035)**
MPMS# 16706 PLYMOUTH MEETING TO BRYN ATHYN
064S031Q MULTIPURPOSE TRAIL DEVELOPMENT
AQ Code X Plymouth, Whitemarsh, Upper Dublin, Upper Moreland

This project involves the acquisition and development for a nine mile paved commuter and multipurpose recreational trail from the Schuylkill Trail in Conshohocken to the Ft. Washington Office Center. The trail will be linked to the Ft. Washington train station and to other potential bicycle commuter destinations, particularly to businesses at office and industrial parks along the route. This project is part of a larger effort to provide a cross-county trail from Chester County to Bucks County.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	CMAQ		500		
ROW	LOCAL		125		
CON	CMAQ				2,400
CON	LOCAL				600
Fiscal Year Total		0	625	0	0
Total FY 01-04 Cost					3,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8701 CHESTER VALLEY TRAIL EXTENSION (C036)
MPMS# 16705 CHESTER COUNTY LINE TO NORRISTOWN
064S030Q TRAIL DEVELOPMENT AND ENHANCEMENTS
AQ Code X Upper Merion Twp., Bridgeport Boro., Norristown Boro.

This project is related to the TE funded Chester Valley Trail project that will be constructed from the Montgomery County Line (near King of Prussia) to Downingtown in Chester County. This project includes the development of a 3.5 mile extension of the paved trail. This project is part of a larger effort to provide a cross-county trail from Chester County to Bucks County.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	CMAQ		320			
ENG	LOCAL		80			
ROW	CMAQ			500		
ROW	LOCAL			125		
CON	CMAQ					3,120
CON	LOCAL					780
Fiscal Year Total		0	400	625	0	3,900
			Total FY 01-04 Cost		1,025	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8703 SCHUYLKILL TRAIL

MPMS# 16694 PERKIOMEN CREEK TO PA 29

064H4N07 MULTI-PURPOSE TRAIL

AQ Code X Lower Providence Twp., Upper Providence Twp.

This project involves the construction of a 6.5 mile principal trail and two auxiliary trails, one 1.5 miles long and the other .6 miles long. Also included is the construction of two trailhead parking areas and the installation of bicycle racks or lockers at three locations.

The principal trail extends from the Betzwood Picnic Area at the Valley Forge Park in West Norriton Township to Route 29 at the village of Mont Clare in Upper Providence Township. Most of the principal trail (3.8 miles) will be a 10' wide paved surface, 1.7 miles will be a 10' wide crushed stone surface, while the remainder will share the right-of-way with a low volume road. A one acre trailhead parking area with at least 25 parking spaces, bicycle racks, park benches, and picnic tables will be constructed at Brower Avenue. A similar facility will be built near Longford Rd. Bicycle racks will be installed near where the trail ends at Route 29.

One auxiliary trail will intersect the principal trail and connect eastward to the Audubon Wildlife Sanctuary and westward to the Walnut Hill area of Valley Forge Park. This 1.5 mile route will be a 10' wide paved path parallel to, but separate from, Pawlings Rd. Bicycle racks or lockers will be installed at the Wildlife Sanctuary. The Walnut Hill area is proposed as the third site for a one acre trailhead parking facility. The second auxiliary trail will provide a link to the Lower Perkiomen Valley Park. It will also be a 10' wide paved path. Bicycle racks will be installed at the trail's juncture with the county park.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	CMAQ			90	
ROW	LOCAL			23	
CON	CMAQ				800
CON	LOCAL				200

Fiscal Year Total 0 0 113 1,000 0

Total FY 01-04 Cost 1,113

TIP# 8714 PA 320

MPMS# 16599 UPPER GULPH ROAD TO ARDEN ROAD

064M015A RESTORATION

AQ Code X Lower Merion Twp., Upper Merion Twp.

Road restoration, including road stabilization along the creek. The character of the roadway will not be changed. The road width currently varies between 24' and 28' with curbing and guiderail. The width of the restored road will be evened out to 28' with curbing and guiderail.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	STATE				2,000

Fiscal Year Total 0 0 0 2,000 0

Total FY 01-04 Cost 2,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8719 MORRIS ROAD

MPMS# 16174 OVER SKIPPACK CREEK

064L023 BRIDGE REPLACEMENT

AQ Code X Lower Salford Twp.

The existing 22' wide bridge will be replaced with a 38' wide bridge with two lanes and shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL		100		
CON	STATE		400		
Fiscal Year Total		0	500	0	0
Total FY 01-04 Cost				500	

TIP# 8720 DELAWARE AVENUE BRIDGE

MPMS# 16256 NEAR VIRGINIA AVE.

064L073 BRIDGE REPLACEMENT

AQ Code X Upper Dublin Twp.

The existing bridge is 24' wide with sidewalk on one side. The new bridge, probably on a new alignment, will be 24' wide, with shoulders, curbs, and a 4' wide sidewalk on one side.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL		53		
CON	STATE		211		
Fiscal Year Total		0	264	0	0
Total FY 01-04 Cost				264	

TIP# 8723 NORTH WALES ROAD

MPMS# 16289 OVER STONEY CREEK, NORTH OF YOST ROAD

064L081 BRIDGE REPLACEMENT

AQ Code X Whitpain Twp., Worcester Twp.

This project involves replacing the culvert to alleviate a flooding problem. The existing 30' wide bridge will be widened to 40' with sidewalk on the west side.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	100			
CON	STATE	400			
Fiscal Year Total		500	0	0	0
Total FY 01-04 Cost				500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8726 METZ ROAD

MPMS# 16406 OVER TOWAMENCIN CREEK

064L080 BRIDGE REPLACEMENT

AQ Code X Towamencin Twp.

The existing two lane, 20' wide bridge will be replaced with a 33' wide bridge with two lanes and shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	140			
CON	STATE	560			

Fiscal Year Total	700	0	0	0	0
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Total FY 01-04 Cost 700

TIP# 8727 BELVOIR ROAD

MPMS# 16546 OVER SAW MILL RUN

064L093 BRIDGE REPLACEMENT

AQ Code X Plymouth Twp.

The existing two lane bridge with sidewalk on one side will be replaced in kind.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	150			
CON	STATE	598			

Fiscal Year Total	748	0	0	0	0
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Total FY 01-04 Cost 748

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8729 US 202 (SECTION 701), PA 63 TO PA 463

MPMS# 16731 (CONST. FROM PA 63 TO PA 309)

064C203 FOUR LANE DIVIDED RELOCATION

AQ Code 2015/20M Montgomery Twp., Upper Gwynedd Twp., Lower Gwynedd Twp

US 202 stretches from Wilmington, Delaware to Bangor, Maine. In the DVRPC region, US 202 covers 61 miles, traversing 27 municipalities. It serves as a major commuter route and is a vital link for business and industry. For planning purposes, US 202 has been divided into eight sections. The limits of Section 700 are from PA 63, Welsh Road to the Doylestown Bypass (US 202/PA 611 Bypass).

The US-202 Expressway will be a four lane divided highway with interchanges at PA 63, PA 309, County Line Rd., Bristol Rd., and PA 611.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	SPIKE			13,200		
CON	STATE			3,300		
CON	HWY				2,400	
CON	SPIKE				10,800	
CON	STATE				3,300	
CON	HWY					67,200
CON	STATE					16,800
Fiscal Year Total		0	0	16,500	16,500	84,000
		Total FY 01-04 Cost		33,000		

TIP# 8730 PA 463, HORSHAM ROAD

MPMS# 16446 PA 611, EASTON RD. - PA-152, LIMEKILN PK

064C094 WIDENING

AQ Code 2002M Horsham Twp.

This project involves widening the existing two lane road (one lane in each direction) to four lanes (two lanes in each direction) with a fifth lane for left turns at intersections, and widening the shoulders to accommodate bicycles between PA-611 to Babylon Rd. The road will be widened to three lanes between Babylon Rd. and PA-152.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STAT*	558				
CON	STU*	2,232				
CON	STAT*		558			
CON	STU*		2,232			
Fiscal Year Total		2,790	2,790	0	0	0
		Total FY 01-04 Cost		5,580		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8731 PA 23, RIVER ROAD
MPMS# 16688 AT BALLIGOMINGO ROAD
064S599S INTERSECTION IMPROVEMENT
AQ Code X West Conshohocken Boro.

This project involves relocating Balligomingo Rd. westerly, raising PA 23 to meet the relocated road, and installing a traffic signal and left turn lane on westbound PA 23. This improvement is a partnership project with Oliver, Tyrone, Pulver Inc. in the West Conshohocken Enterprise Zone.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	STATE		400			
CON	STU		1,600			
Fiscal Year Total		0	2,000	0	0	0
		Total FY 01-04 Cost		2,000		

TIP# 8732 PENNSWOOD ROAD
MPMS# 16216 OVER AMTRAK & SEPTA R5 RAIL LINE
064L109 BRIDGE REPLACEMENT
AQ Code X Lower Merion Twp.

The existing two lane bridge with sidewalk on one side will be replaced with a two lane bridge, width to be determined, with sidewalk on one side.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	LOCAL		94			
ENG	STATE		376			
ROW	BR			720		
ROW	LOCAL			45		
ROW	STATE			135		
CON	BR					3,400
CON	LOCAL					212
CON	STATE					638
Fiscal Year Total		0	470	900	0	4,250
		Total FY 01-04 Cost		1,370		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8733 SWAMP CREEK ROAD
MPMS# 16679 OVER UNAMI CREEK
064C095 BRIDGE REHABILITATION
AQ Code X Marlboro Twp.

The existing one lane bridge will be replaced with a two lane bridge. It is located in a historic district. Effort will be made to retain the stone arch.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	STATE		30			
CON	STATE				500	
Fiscal Year Total		0	30	0	500	0
		Total FY 01-04 Cost			530	

TIP# 8736 LEWIS ROAD
MPMS# 15624 RIDGE PIKE TO KNIGHTS ROAD
064S701C S-CURVE RECONSTRUCTION
AQ Code X Limerick Twp.

This project involves softening the "S" curve to bring it up to current standards and replacing two culverts. The reconstructed road will have two lanes with 2' to 4' shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	STATE	50				
CON	STATE		800			
Fiscal Year Total		50	800	0	0	0
		Total FY 01-04 Cost			850	

TIP# 8737 SWAMP ROAD
MPMS# 16741 AT PA 663
064S701S INTERSECTION IMPROVEMENTS
AQ Code X New Hanover Twp.

This project involves widening PA 663 to accommodate exclusive left turn lanes on both approaches to Swamp Pike.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	STATE	120				
CON	STATE		950			
Fiscal Year Total		120	950	0	0	0
		Total FY 01-04 Cost			1,070	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8740 FAGLEYSVILLE RD.

MPMS# 16729 OVER WEST SWAMP CREEK

064C096 BRIDGE REHABILITATION

AQ Code X Upper Frederick Twp.

The existing two lane, 22' wide bridge is currently closed to traffic. The rehabilitated structure will have two lanes with minimal shoulders.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	STATE	300				
CON	STATE		1,000			
Fiscal Year Total		300	1,000	0	0	0
		Total FY 01-04 Cost		1,300		

TIP# 8741 UNION AVE.

MPMS# 16248 OVER SEPTA R6, CYNWYD RAIL LINE

064L111 BRIDGE REPLACEMENT

AQ Code X Lower Merion Twp.

The scope of this bridge replacement project has yet to be determined.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL		50			
ROW	STATE		200			
CON	BR					1,600
CON	LOCAL					100
CON	STATE					300
Fiscal Year Total		0	250	0	0	2,000
		Total FY 01-04 Cost		250		

TIP# 8742 Allentown Rd.

MPMS# 48418 at Troxel Rd. and Orvilla Rd.

Intersection Improvement

AQ Code X Towamencin Twp.

Correct off-set intersection by aligning Troxel Rd. with Orvilla Rd. and providing left turn lanes on Allentown Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL	300				
CON	HWY			640		
CON	LOCAL			160		
Fiscal Year Total		300	0	800	0	0
		Total FY 01-04 Cost		1,100		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8743 PA-23

MPMS# 48172 US 422 to US 202

Relocation

AQ Code 2015/20M Upper Merion Twp.

Construct a four lane controlled access (at specific intersections) highway approximately 3.5 miles in length. The preliminary engineering phase will include traffic studies and related data collection for this project and related projects in the area.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	1,250				
DES	HWY					1,600
DES	STATE					400
ROW	HWY					4,000
ROW	STATE					1,000
CON	HWY					40,000
CON	STATE					10,000
Fiscal Year Total		1,250	0	0	0	57,000
		Total FY 01-04 Cost		1,250		

TIP# 8744 Traffic Signal Improvement Project

MPMS# 48173 Phase 3

AQ Code X Various Municipalities

Upgrade and modernize inadequate, outdated traffic signals throughout the County.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY			1,000		
CON	LOCAL			1,000		
Fiscal Year Total		0	0	2,000	0	0
		Total FY 01-04 Cost		2,000		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8745 I-76, Schuylkill Expressway

MPMS# 16211 at Henderson Rd.

AQ Code 2015/20M Interchange Improvement

Upper Merion Twp.

Provide a new interchange on I-76 for westbound on and off movements and close the adjacent S. Gulph Rd. westbound on ramp. This improvement will provide alternate access to the King of Prussia core, improve access to Norristown, and relieve the heavily congested interchange of I-76 and US 202.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	600				
ROW	HWY				800	
ROW	LOCAL				200	
CON	HWY					5,200
CON	LOCAL					1,300
Fiscal Year Total		600	0	0	1,000	6,500
Total FY 01-04 Cost					1,600	

TIP# 8746 Pottstown Area Signal System Upgrade

MPMS# 48186 Montgomery and Chester Counties

AQ Code 2005M Pottstown Boro., N. Coventry Twp.

Modernize equipment at 45 locations; interconnect 45 controllers and 3 master controllers; install 8 count locations; and rewire 38 signals.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ	120				
ROW	CMAQ			20		
CON	CMAQ				950	
Fiscal Year Total		120	0	20	950	0
Total FY 01-04 Cost					1,090	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8747 Henderson Rd.

MPMS# 48187 Shoemaker Rd. to PA Turnpike

Widening

AQ Code 2015/20M Upper Merion Twp.

Widen extremely congested two lane roadway to four lanes with intersection improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	500				
CON	HWY				5,600	
CON	LOCAL				1,400	
ROW	HWY				400	
ROW	LOCAL				100	
Fiscal Year Total		500	0	0	7,500	0
		Total FY 01-04 Cost			8,000	

TIP# 8748 PA-113

MPMS# 16436 at Creamery Village

Relocation

AQ Code 2015/20M Skippack Twp.

Eliminate a series of "S" curves and one 90 degree turn by constructing a two lane relocation, approximately 4000 feet in length.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	DEMO	200				
DES	STATE	50				
ROW	DEMO		40			
ROW	STATE		10			
CON	DEMO					2,268
CON	HWY					932
CON	STATE					800
Fiscal Year Total		250	50	0	0	4,000
		Total FY 01-04 Cost			300	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8749 PA 309 Connector Project

MPMS# 16438 PA 309 to PA 63, Sumneytown Pike

New/Upgraded Connector Roadway

AQ Code 2015/20M Hatfield, Franconia, L. Salford, Towamencin Twps.

Provide an adequate two lane roadway connection by upgrading two existing two lane roads (Wambold Rd. and Township Line Rd.) and connecting them with a two lane roadway approximately one mile in length. This project will correct the disjointed and inadequate road system serving the north/south movement between PA 309 and the PA Turnpike Lansdale Interchange.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY	1,200				
DES	STATE	300				
ROW	DEMO				800	
ROW	STATE				200	
CON	DEMO					2,360
CON	HWY					5,640
CON	STATE					2,000
Fiscal Year Total		1,500	0	0	1,000	10,000
Total FY 01-04 Cost					2,500	

TIP# 8750 PA-63, Welsh Rd.

MPMS# 48174 at PA 152, Limekiln Pk. & Norristown Rd.

Intersection Improvements

AQ Code X Horsham Twp., Upper Dublin Twp.

Provide turn lanes on all approaches of this extremely congested triangle with 3 signalized intersections 800 feet apart; interconnect signals; and widen connecting legs as developed in Welsh Rd. widening project.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE	50				
DES	STU	200				
ROW	HWY			400		
ROW	STATE			100		
CON	HWY				800	
CON	STATE				200	
Fiscal Year Total		250	0	500	1,000	0
Total FY 01-04 Cost					1,750	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8751 Ridge Pike

MPMS# 48175 Norristown Boro. Line to Butler Pike

Reconstruction

AQ Code X Plymouth Twp.

Reconstruction of this high volume four lane arterial with the addition of a center turn lane.
Replace two bridges over Norfolk Southern rail line.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY	720				
DES	LOCAL	180				
ROW	HWY				240	
ROW	LOCAL				60	
CON	BR					4,800
CON	HWY					3,000
CON	LOCAL					1,300
Fiscal Year Total		900	0	0	300	9,100
		Total FY 01-04 Cost			1,200	

TIP# 8752 Butler Pike

MPMS# 48176 at Flourtown Rd.

Relocation

AQ Code X Plymouth Twp., Whitmarsh Twp.

This intersection is extremely congested with a dog-leg intersection at Butler Pike and Flourtown Rd. and a tight 90 degree turn on Butler Pike. This improvement consists of relocating Flourtown Rd. to align with Plymouth Rd.; relocating Butler Pike to eliminate the 90 degree turn; and creating a new Butler Pike/Plymouth Rd./Flourtown Rd. intersection.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	300				
CON	HWY					800
CON	LOCAL					200
ROW	HWY					80
ROW	LOCAL					20
Fiscal Year Total		300	0	0	0	1,100
		Total FY 01-04 Cost			300	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8753 *Knight Rd.*

MPMS# 48620 over Green Lane Reservoir

064698203 Bridge Replacement

AQ Code X Upper Hanover Twp.

Bridge replacement including an 8 foot wide walkway.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
PE	BR	80				
PE	LOCAL	5				
PE	STATE	15				
DES	BR			120		
DES	LOCAL			7		
DES	STATE			23		
CON	BR					960
CON	LOCAL					60
CON	STATE					180
Fiscal Year Total		100	0	150	0	1,200
		Total FY 01-04 Cost		250		

TIP# 8754 *Main St.*

MPMS# 16163 over Stony Creek

Bridge Rehabilitation

AQ Code X Norristown Boro.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
DES	BR	160				
DES	LOCAL	10				
DES	STATE	30				
ROW	BR				16	
ROW	LOCAL				1	
ROW	STATE				3	
CON	BR					800
CON	LOCAL					50
CON	STATE					150
Fiscal Year Total		200	0	0	20	1,000
		Total FY 01-04 Cost		220		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8755 Walnut St.

MPMS# 48177 over Branch of Neshaminy Creek

Bridge Replacement

AQ Code X Hatfield Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR				380
CON	LOCAL				24
CON	STATE				71

Fiscal Year Total	0	0	0	475	0
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Total FY 01-04 Cost	475
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TIP# 8756 Grange Ave.

MPMS# 16411 over Branch of Skippack Creek

Bridge Replacement

AQ Code X Lower Providence Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	LOCAL	20			
CON	LOCAL				100
CON	STATE				400

Fiscal Year Total	20	0	0	500	0
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Total FY 01-04 Cost	520
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TIP# 8757 PA 463, Horsham Rd

MPMS# 48178 over Branch of Neshaminy Creek

Culvert Replacement

AQ Code X Montgomery Twp.

North of Stump Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	LOCAL	20			
CON	BR				160
CON	STATE				40

Fiscal Year Total	20	0	0	200	0
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Total FY 01-04 Cost	220
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8758 Upper Farm Rd.

MPMS# 16630 over Stony Creek

Bridge Replacement

AQ Code X West Norriton Twp.

High arch bridge.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL		40			
DES	STATE		160			
CON	LOCAL					200
CON	STATE					800
Fiscal Year Total		0	200	0	0	1,000
Total FY 01-04 Cost					200	

TIP# 8759 Lower Farm Rd.

MPMS# 16631 over Stony Creek

Bridge Replacement

AQ Code X Norristown Boro.

Hospital bridge.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL		40			
DES	STATE		160			
CON	LOCAL					200
CON	STATE					800
Fiscal Year Total		0	200	0	0	1,000
Total FY 01-04 Cost					200	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8760 US 202, Section 650

MPMS# 16755 Morris Rd. to PA 309

Reconstruction and Widening

AQ Code 2015/20M Montgomery, U. & L. Gwynedd, Whitpain Twps.

Reconstruct and widen the existing roadway to four lanes with turn lanes at intersections.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	DEMO		1,600			
ROW	STATE		400			
CON	DEMO				1,300	
CON	HWY				4,700	
CON	SPIKE				10,000	
CON	STATE				4,000	
CON	HWY					24,000
CON	STATE					6,000
Fiscal Year Total		0	2,000	0	20,000	30,000
			Total FY 01-04 Cost		22,000	

TIP# 8761 PA 29, Gravel Pike

MPMS# 16085 over Hosensack Creek

Bridge Replacement

AQ Code X Upper Hanover Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE		200			
ROW	STATE			50		
CON	STATE				800	
Fiscal Year Total		0	200	50	800	0
			Total FY 01-04 Cost		1,050	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8762 PA 29, Gravel Pike
MPMS# 16086 over Branch of Perkiomen Creek
Bridge Replacement
AQ Code X Upper Hanover Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE		80			
ROW	STATE			50		
CON	STATE				400	
Fiscal Year Total		0	80	50	400	0
Total FY 01-04 Cost					530	

TIP# 8763 US 202 SB, Markley St.
MPMS# 16665 Main St. to Johnson Highway
Reconstruction, Signal Improvements
AQ Code X Norristown Boro.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY	800				
DES	STATE	200				
ROW	HWY			280		
ROW	STATE			70		
CON	HWY					4,800
CON	STATE					1,200
Fiscal Year Total		1,000	0	350	0	6,000
Total FY 01-04 Cost					1,350	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8764 PA 63, Forty Foot Rd.

MPMS# 16742 Sumneytown Pike to Detwiler Rd.

064S800M Widening, Intersection Improvement

AQ Code 2005M Towamencin Twp.

Widen Forty Foot Rd. to four lanes and widen the Sumneytown Pike intersection.
Construct a pedestrian bridge.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	DEMO	1,500			
ROW	LOCAL	1,500			
CON	DEMO			2,370	
CON	HWY			1,230	
CON	STATE			900	

Fiscal Year Total 3,000 0 4,500 0 0

Total FY 01-04 Cost 7,500

TIP# 8765 Main St.

MPMS# 15516 E. Montgomery Ave. - E. Prospect Ave.

064L833 Reconstruction

AQ Code X North Wales Boro.

This project consists of pavement reconstruction, restoration, and resurfacing; and drainage improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	360			
CON	STU	1,440			

Fiscal Year Total 1,800 0 0 0 0

Total FY 01-04 Cost 1,800

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8766 I-476

MPMS# 16737 Chemical Rd. to I-76, Schuylkill Exp.

Reconstruction

AQ Code X Plymouth Twp., West Conshohocken Boro.

Rehabilitation and sink hole repair.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY	3,200				
DES	STATE	800				
ROW	HWY			800		
ROW	STATE			200		
CON	HWY					40,000
CON	STATE					10,000
Fiscal Year Total		4,000	0	1,000	0	50,000
		Total FY 01-04 Cost		5,000		

TIP# 8767 US 422

MPMS# 16738 Chester County to Park Rd.

064M4004 Reconstruction and Interchange Upgrades

AQ Code X Lower Pottsgrove Twp.

This project consists of base repair, overlay, and bridge deck and superstructure repair.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY	1,500				
DES	STATE	375				
ROW	HWY			800		
ROW	STATE			200		
CON	HWY					20,000
CON	STATE					5,000
Fiscal Year Total		1,875	0	1,000	0	25,000
		Total FY 01-04 Cost		2,875		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8768 *Fretz Rd.*
MPMS# 16678 over Skippack Creek
Bridge Replacement
AQ Code X Lower Salford Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	STATE	250			
ROW	STATE			40	
CON	STATE				1,360
Fiscal Year Total		250	0	40	1,360
		Total FY 01-04 Cost			1,650

0

TIP# 8769 *Quarry Rd.*
MPMS# 16372 over Skippack Creek
Bridge Replacement
AQ Code X Lower Salford Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	STATE	200			
ROW	STATE			50	
CON	STATE				750
Fiscal Year Total		200	0	50	750
		Total FY 01-04 Cost			1,000

0

TIP# 8770 *US 202, Dekalb Pike*
MPMS# 16190 over Norfolk Southern Railroad
Bridge Replacement
AQ Code X Bridgeport Boro.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	BR	480			
DES	STATE	120			
CON	BR				6,000
CON	STATE				1,500
ROW	BR				600
ROW	STATE				150
Fiscal Year Total		600	0	0	8,250
		Total FY 01-04 Cost			600

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8771 Church Rd.

MPMS# 16396 over SEPTA NHSL, Route 100

Bridge Replacement

AQ Code X Upper Merion

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	240				
DES	LOCAL	15				
DES	STATE	45				
ROW	BR			40		
ROW	LOCAL			2		
ROW	STATE			8		
CON	BR				1,200	
CON	LOCAL				75	
CON	STATE				225	
Fiscal Year Total		300	0	50	1,500	0
		Total FY 01-04 Cost			1,850	

TIP# 8772 Towamencin Signal System Interconnection

MPMS# 48179

AQ Code 2002M Towamencin Twp.

Installation of a closed loop signal system at 25 intersections on PA 63, PA 463, PA 363, Sumneytown Pike, and Allentown Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	CMAQ		960			
Fiscal Year Total		0	960	0	0	0
		Total FY 01-04 Cost			960	

TIP# 8773 Montgomery Ave.

MPMS# 48180 US 1, City Ave. to Grays Lane

Closed Loop Signal System

AQ Code 2002M Lower Merion Twp.

Install closed loop signal system at 20 intersections.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	CMAQ		230			
Fiscal Year Total		0	230	0	0	0
		Total FY 01-04 Cost			230	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8774 *Fitzwatertown Rd.*

MPMS# 48181 at PA 63, Moreland Rd.

Intersection Improvement

AQ Code X Abington Twp., Upper Moreland Twp.

Widen for southbound right turn lane at PA 63, Moreland Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY	80				
DES	STATE	20				
ROW	HWY			40		
ROW	STATE			10		
CON	HWY				320	
CON	STATE				80	
Fiscal Year Total		100	0	50	400	0
		Total FY 01-04 Cost			550	

TIP# 8775 *PA 611, Old York Rd.*

MPMS# 48182

Corridor Optimization

AQ Code 2005M Cheltenham Twp.

Corridor optimization of 10 signals and actuation of 2 side streets.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	30				
CON	CMAQ			200		
Fiscal Year Total		30	0	200	0	0
		Total FY 01-04 Cost			230	

TIP# 8776 *US 422, Pottstown Expressway*

MPMS# 48183 at PA 23, Valley Forge Rd.

Interchange Improvement

AQ Code X Upper Merion Twp.

Relocate westbound on and off ramps; new signalization; interconnect four signals.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	500				
CON	HWY					2,400
CON	STATE					600
DES	STATE					500
Fiscal Year Total		500	0	0	0	3,500
		Total FY 01-04 Cost			500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8777 PA 63, Sumneytown Pike

MPMS# 48184 at PA 563, Ridge Rd.

Intersection Improvement

AQ Code X Upper Salford Twp.

Widen Sumneytown Pike for southbound left turn lane.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	STATE			60		
CON	STATE				500	
Fiscal Year Total		0	0	60	500	0
		Total FY 01-04 Cost			560	

TIP# 8778 Sandy Hill Rd.

MPMS# 50578 at Belvoir Rd.

Intersection Improvement

AQ Code X Plymouth Twp.

Provide left turn lanes on all approaches. Both roads are major collector routes to I-476 at the Plymouth Meeting and Ridge Pike Interchanges.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL		100			
CON	HWY				240	
CON	LOCAL				60	
Fiscal Year Total		0	100	0	300	0
		Total FY 01-04 Cost			400	

TIP# 8779 Fort Washington Transportation Impvts.

MPMS# 46952 Bethlehem Pike and Pennsylvania Ave.

Upper Dublin Twp., Whitmarsh Twp.

Upgrade the appearance of the Ft. Washington area and enhance the transit and pedestrian movements through lighting and streetscape improvements

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	DEMO		16			
ROW	LOCAL		4			
CON	DEMO				367	
CON	LOCAL				92	
Fiscal Year Total		0	20	0	459	0
		Total FY 01-04 Cost			479	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8780 *Perkiomen Trail*

MPMS# 16585

AQ Code X

Various Municipalities

Construct 17 miles of the Perkiomen Trail

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	DEMO	240				
DES	LOCAL	60				
ROW	DEMO		250			
ROW	HWY		236			
ROW	LOCAL		120			
CON	HWY				1,440	
CON	LOCAL				360	
Fiscal Year Total		300	606	0	1,800	0
Total FY 01-04 Cost					2,706	

TIP# 8781A *Towamencin Multi-Modal Trans. Center*

MPMS# 46951 PA-63/I-476 Lansdale Interchange

AQ Code 20050

Towamencin Twp.

The Transportation Center will include the construction of a parking garage (about 2500 spaces,) an 11-bay bus terminal, bike lockers/storage area, and an ITS Center.

A transit TEA-21 earmark will cover the federal portion of the Transportation Center project. In addition, a federal ITS earmark (Federal FY00 transportation appropriation) will partially cover the cost of the ITS Center component of the project. A new road (Towamencin Avenue) in the village area to be built in 2001 will be used as local match for this project.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	DEMO	500				
ENG	LOCAL	125				
CON	DEMO				2,972	
CON	LOCAL				6,278	
Fiscal Year Total		625	0	0	9,250	0
Total FY 01-04 Cost					9,875	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8781B PA Turnpike Northeast Extension

MPMS# 57869 at Lansdale Interchange

Ramp Modification

AQ Code X Towamencin Twp.

New ramps are to be constructed from the PA Turnpike Northeast Extension to the proposed Towamencin transportation center and to Towamencin Avenue.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	700				
CON	DEMO					2,610
CON	PATPK					3,512
Fiscal Year Total		700	0	0	0	6,122
		Total FY 01-04 Cost		700		

TIP# 8782 Ardmore Streetscape Project

MPMS# 46950

AQ Code X Lower Merion Twp.

Improvements on Crickett Terrace, Lancaster Ave., Station Ave., and Rittenhouse Place.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	DEMO		450			
CON	LOCAL		113			
Fiscal Year Total		0	563	0	0	0
		Total FY 01-04 Cost		563		

TIP# 8783 Abbey Trails

MPMS# 16756

AQ Code X Abington Twp.

Create trail system linking Township and County parks.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	DEMO				450	
CON	LOCAL				113	
Fiscal Year Total		0	0	0	563	0
		Total FY 01-04 Cost		563		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8784 *Butler Pike/SEPTA Safety Improvements*

MPMS# 46953

AQ Code X

Ambler Boro.

Improve pedestrian crossing from outbound trains on the south side of Butler Pike to parking lot on the north side of Butler Pike.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	DEMO	11			
DES	LOCAL	3			
CON	DEMO			61	
CON	LOCAL			15	

Fiscal Year Total	14	0	76	0	0
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Total FY 01-04 Cost	90
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TIP# 8785 *Valley Forge Historical Society Museum*

MPMS# 46954

AQ Code X

Upper Merion Twp.

Construct parking garage and driveway (location to be determined).

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	DEMO				3,000
CON	LOCAL				750

Fiscal Year Total	0	0	0	3,750	0
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Total FY 01-04 Cost	3,750
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TIP# 8786 *US 422, Pottstown Expressway*

MPMS# 16740

over Schuylkill River

Bridge Deck Rehabilitation

AQ Code X

Lower Pottsgrove Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	STATE	60			
ROW	STATE			10	
CON	STATE				400

Fiscal Year Total	60	0	10	0	400
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Total FY 01-04 Cost	70
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8787 *US 202, Dannehower Bridge over*
MPMS# 16371 Schuylkill River & Norfolk Southern RR
Bridge Deck Rehabilitation-2 structures
AQ Code X Upper Merion Twp., Norristown Boro.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	STATE			40		
CON	STATE					6,000
Fiscal Year Total		0	0	40	0	6,000
		Total FY 01-04 Cost		40		

TIP# 8791 *Freeman School Rd.*
MPMS# 16401 over East Branch of Perkiomen Creek
Bridge Replacement
AQ Code X Lower Salford Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	LOCAL			400		
CON	STATE			1,600		
Fiscal Year Total		0	0	2,000	0	0
		Total FY 01-04 Cost		2,000		

TIP# 8792 *Mathers Road*
MPMS# 16409 over Wissahickon Creek
Bridge Replacement
AQ Code X Whitpain Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL			20		
CON	LOCAL				160	
CON	STATE				640	
Fiscal Year Total		0	0	20	800	0
		Total FY 01-04 Cost		820		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8793 *Bustard Road*
MPMS# 49317 over Towamencin Creek
Bridge Replacement
AQ Code X Towamencin Twp.

The existing bridge has two eleven foot travel lanes and no shoulders or sidewalks. The new bridge will have two twelve foot travel lanes, two three-foot sidewalks, and two five-foot bike lanes. The sight distance at the Bustard Rd./Kriebel Rd. intersection will also be improved.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	1,000				
ROW	LOCAL		300			
CON	BR				2,800	
CON	STATE				700	
Fiscal Year Total		1,000	300	0	3,500	0
			Total FY 01-04 Cost		4,800	

TIP# 8795 *I-76, Schuylkill Expressway*
MPMS# 48185 Belmont Ave. to Conshohocken Curve
Intelligent Transportation System
AQ Code 20050 Lower Merion Twp.

2 variable message signs, 7 closed circuit televisions, 8 detectors

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	CMAQ	40				
ROW	STATE	10				
CON	CMAQ			2,120		
CON	STATE			530		
Fiscal Year Total		50	0	2,650	0	0
			Total FY 01-04 Cost		2,700	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8796 *Schuylkill Navigation Lock 60*

MPMS# 50521 Restoration

AQ Code X Upper Providence Twp.

Restoration of the 1846 canal lock into an operational state. Project includes removal of fill at one end, replacing it with a historically accurate truss bridge, working mitre gates at both ends, and reproduction of the original toll house. The Locktender's House will also be restored as a community and visitor's center.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	TE		410			
Fiscal Year Total		0	410	0	0	0
		Total FY 01-04 Cost		410		

TIP# 8797 *Fischer's Park Trail Restoration*

MPMS# 57286

AQ Code X Towamencin Twp.

This project will replace a portion of the ten foot wide Stone Dust Trail in Fischer's Park which is subject to frequent erosion with unit paver to eliminate the incidence of erosion and improve the safety of the users.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	LOCAL	34				
ERC	RecTr			111		
Fiscal Year Total		34	0	111	0	0
		Total FY 01-04 Cost		145		

TIP# 8798 *Pennypack Connector Trail*

MPMS# 57287 and Adjoining Universal Accessible Trail

AQ Code X Abington Twp.

Rehabilitation and protection of the connector trail between Montgomery County's Lorimer Park and Philadelphia's Pennypack Park (including Fox Chase Farm School), while improving an adjacent universal accessible trail.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	LOCAL	14				
ERC	RecTr			30		
Fiscal Year Total		14	0	30	0	0
		Total FY 01-04 Cost		44		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8799 *Hatfield Township*

MPMS# 57328 Bicycle Mobility Improvements

PA 463, Forty Foot Rd.

AQ Code X Hatfield Twp.

Design and construction of road improvements for bicycle facilities on PA 463, Forty Foot Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ	24				
DES	LOCAL	6				
ROW	CMAQ			56		
ROW	LOCAL			14		
CON	CMAQ				52	
CON	LOCAL				13	
Fiscal Year Total		30	0	70	65	0
		Total FY 01-04 Cost			165	

TIP# 8800 *Limerick Township*

MPMS# 57329 Bicycle Mobility Improvements

Limerick Twp.

Design and construction of road improvements for bicycle facilities on Ridge Pike, Swamp Pike, and Lewis Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ	51				
DES	LOCAL	13				
ROW	CMAQ			143		
ROW	LOCAL			36		
CON	CMAQ				489	
CON	LOCAL				122	
Fiscal Year Total		64	0	179	611	0
		Total FY 01-04 Cost			854	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8801 Lower Salford Township
MPMS# 57330 Bicycle Mobility Improvements

AQ Code X Lower Salford Twp.

Design and construction of road improvements for bicycles facilities on PA 63, Sumneytown Pike, Freeman School Rd., and Salfordville Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ	40				
DES	LOCAL	10				
ROW	CMAQ			40		
ROW	LOCAL			10		
CON	CMAQ				280	
CON	LOCAL				70	
Fiscal Year Total		50	0	50	350	0
		Total FY 01-04 Cost			450	

TIP# 8802 Towamencin Township
MPMS# 57331 Bicycle Mobility Improvements

AQ Code X Towamencin Twp.

Design and construction of road improvements for bicycle facilities on PA 63, Sumneytown Pike, Allentown Rd., Bustard Rd., Snyder Rd., Weikel Rd., Keeler Rd., Troxel Rd., Forty Foot Rd., and Morris Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	200				
ROW	CMAQ		120			
ROW	LOCAL		30			
CON	CMAQ			800		
CON	CMAQ			990		
CON	LOCAL			200		
CON	LOCAL			247		
Fiscal Year Total		200	150	2,237	0	0
		Total FY 01-04 Cost			2,587	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8803 *Upper Merion Township*
MPMS# 57332 Bicycle Mobility Improvements

AQ Code X Upper Merion Twp.

Design and construction of road improvements for bicycle facilities on N. Henderson Rd., W. Beidler Rd., PA 23, W. Valley Forge Rd., Keebler Rd., S. Gulph Rd., S. Henderson Rd., Croton Rd., and S. Warner Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ	72				
DES	LOCAL	18				
ROW	CMAQ			48		
ROW	LOCAL			12		
CON	CMAQ				240	
CON	LOCAL				60	
Fiscal Year Total		90	0	60	300	0
Total FY 01-04 Cost					450	

TIP# 8805 *Ambler Gateway Enhancement Project*
MPMS# 61706

AQ Code X Ambler Boro.

Creation of gateways along Butler Ave. through installation of improvements to the streetscape including monument signage, new sidewalks, historic pedestrian scale lighting, benches, and receptacles.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	25				
CON	TE			208		
Fiscal Year Total		25	0	208	0	0
Total FY 01-04 Cost					233	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8806 Tookany Creek Trail

MPMS# 61705

AQ Code X

Cheltenham Twp.

Construction of improvements to 2.2 mile multi-use trail parallel to Tookany Creek Parkway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	35				
CON	LOCAL			234		
CON	TE			199		
Fiscal Year Total		35	0	433	0	0
		Total FY 01-04 Cost			468	

TIP# 8807 Main St. Streetscape Improvements

MPMS# 61707

Phase I

Norristown Boro.

AQ Code X

Norristown Boro.

Construction of streetscape improvements in central business district.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	40				
CON	TE				550	
Fiscal Year Total		40	0	0	550	0
		Total FY 01-04 Cost			590	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8808 *Pedestrian/Bicycle Promenade*

MPMS# 61709 Pottstown Boro.

AQ Code X Pottstown Boro.

Land acquisition for, and construction of, pedestrian promenade connecting Pottstown business District, waterfront, and Montgomery Co. Community College.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	2				
PE	TE	8				
DES	LOCAL		11			
DES	TE		42			
ROW	LOCAL			1		
ROW	TE			6		
CON	LOCAL				70	
CON	TE				280	
Fiscal Year Total		10	53	7	350	0
			Total FY 01-04 Cost		420	

TIP# 8810 *PA 611 Closed Loop Signal System (Q57)*

MPMS# 60708 Abington Township

Twp. Line Rd. (PA 73) to Moreland Rd.

AQ Code 20050 Abington Twp.

Installation of a traffic responsive, closed loop signal system connecting thirteen signalized intersections along PA 611. Part of a four-municipality effort to connect a total of forty intersections with fiber optic communications on the PA 611 corridor, sharing data, software, and maintenance.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	30				
PE	LOCAL	45				
ROW	CMAQ			10		
CON	CMAQ				485	
Fiscal Year Total		75	0	10	485	0
			Total FY 01-04 Cost		570	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8811 PA 611 Closed Loop Signal System (Q58)

MPMS# 60722 Horsham Township

Blair Mill Rd. to Maple Ave.

AQ Code 2005O Horsham Twp.

Installation of a traffic responsive, closed loop signal system connecting five signalized intersections along PA 611. Part of a four-municipality effort to connect a total of forty intersections with fiber optic communications on the PA 611 corridor, sharing data, software, and maintenance.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	10				
PE	LOCAL	25				
ROW	CMAQ			15		
CON	CMAQ				195	
Fiscal Year Total		35	0	15	195	0
		Total FY 01-04 Cost			245	

TIP# 8812 PA 611 Closed Loop Signal System (Q59)

MPMS# 60973 Jenkintown Borough

Washington Ln. to Rdyal Rd./Clovery Ave.

AQ Code 2005O Jenkintown Boro.

Installation of a traffic responsive, closed loop signal system connecting four signalized intersections along PA 611. Part of a four-municipality effort to connect a total of forty intersections with fiber optic communications on the PA 611 corridor, sharing data, software, and maintenance.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	10				
PE	LOCAL	18				
CON	CMAQ				192	
Fiscal Year Total		28	0	0	192	0
		Total FY 01-04 Cost			220	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8813 PA 611 Closed Loop Signal System (Q60)

MPMS# 61053 Upper Moreland Township

Moreland Rd. to Blair Mill Rd.

AQ Code 20050 Upper Moreland Twp.

Installation of a traffic responsive, closed loop signal system connecting thirteen signalized intersections along PA 611 and five signalized intersections on PA 263. Part of a four-municipality effort to connect a total of forty intersections with fiber optic communications on PA 611, sharing data, software, and maintenance.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	45				
PE	LOCAL	65				
ROW	CMAQ			25		
CON	CMAQ				635	
Fiscal Year Total		110	0	25	635	0
Total FY 01-04 Cost					770	

TIP# 8814 Township Wide Traffic Signal Closed Loop

MPMS# 58662 System Upgrade and Expansion (Q63)

Upper Merion Township

AQ Code 20050 Upper Merion Twp., Bridgeport Boro.

Expand the existing closed loop signal system to focus on additional corridors including Dekalb Pike (including Bridgeport Boro.), Allendale Rd., Henderson Rd., Gulph Rd., and PA-23.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	170				
DES	LOCAL		200			
CON	CMAQ				1,740	
CON	LOCAL				65	
Fiscal Year Total		170	200	0	1,805	0
Total FY 01-04 Cost					2,175	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8815 PA 29, Main St.

MPMS# 57849 over abandoned Reading Railroad Tracks

Bridge Removal

AQ Code X Pennsburg Boro., Red Hill Boro.

Narrow and unnecessary bridge constrains traffic and restricts sight distance on Route 29. Bridge would be removed and overpass filled and connected with wider road section. This is a bridge bill project.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE		100			
ROW	STATE			20		
CON	STATE				600	
Fiscal Year Total		0	100	20	600	0
Total FY 01-04 Cost					720	

TIP# 8816 Manor Rd.

MPMS# 57850 over Manor Creek

Bridge Replacement

AQ Code X Whitemarsh Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	75				
ROW	LOCAL			25		
CON	LOCAL					90
CON	STATE					360
Fiscal Year Total		75	0	25	0	450
Total FY 01-04 Cost					100	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8817 *Plank/Otts/Meyers/Seitz Rds.*

MPMS# 57851 PA 73 to Township Line Rd.

Corridor and Intersection Improvements

AQ Code X Skippack Twp., Perkiomen Twp.

Corridor/intersection improvements; realign off-set intersection, upgrade to good 2-lane road with shoulders (one mile).

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	STATE	270				
CON	HWY					2,080
CON	STATE					520
ROW	HWY					360
ROW	STATE					90
Fiscal Year Total		270	0	0	0	3,050
		Total FY 01-04 Cost			270	

TIP# 8818 *PA 73, Skippack Pike*

MPMS# 57853 US 202 (Dekalb Pike) to Butler Pike

Corridor/Intersection Improvements

AQ Code 2015/20M Whitpain Twp.

Corridor/intersection improvements; install turn lanes and provide shoulder bike lanes (3 miles). Act 209 Impact Fee partnership project.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	300				
CON	HWY					2,800
CON	STATE					700
ROW	HWY					400
ROW	LOCAL					100
Fiscal Year Total		300	0	0	0	4,000
		Total FY 01-04 Cost			300	

TIP# 8819 *Lafayette St.*

MPMS# 57858 Ford St. to Conshohocken Rd.

Road Extension, US-202 Connection Study

AQ Code X Norristown Boro., Plymouth Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	300				
Fiscal Year Total		300	0	0	0	0
		Total FY 01-04 Cost			300	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8820 US 422, Pottstown Expressway

MPMS# 57859 US 202 to PA 363

AQ Code X Widening, Interchange Improvements Study
U. Merion, L. Providence, W. Norriton, Schuylkill Twp.

Analyze PA 23 relocation from Valley Forge Park to US 422, including a full movement interchange at PA-363 and the widening of US-422 to six lanes.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PLS	HWY		500		
PLS	LOCAL		500		

Fiscal Year Total	0	1,000	0	0	0
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Total FY 01-04 Cost 1,000

TIP# 8821 Upper Perkiomen Industrial Access Proj.

MPMS# 57860

AQ Code X Upper Hanover Twp., East Greenville, Pennsburg Boros.

Analyze options for improved truck access.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PE	HWY	640			
PE	LOCAL	160			
CON	HWY				2,400
CON	LOCAL				600
DES	HWY				640
DES	LOCAL				160
ROW	HWY				400
ROW	LOCAL				100

Fiscal Year Total	800	0	0	0	4,300
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Total FY 01-04 Cost 800

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8822 *Pleasant View Rd.*

MPMS# 57861 Buchert Rd. to Sanatoga Rd.

Realignment

AQ Code X Lower Pottsgrove Twp.

Realign road and widen to soften "S" curve; add curbs, sidewalks, drainage and left turn lanes (.03 miles)

Safety problem of sharp curve and poor drainage is aggravated by increasing use of Pleasant View Road as an access route to the US-422 Expressway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	65				
ROW	LOCAL			30		
CON	HWY					280
CON	LOCAL					70
Fiscal Year Total		65	0	30	0	350
		Total FY 01-04 Cost			95	

TIP# 8823 *Keystone Blvd.*

MPMS# 57862 College Dr. to Old Reading Pike

New Roadway

AQ Code 2015/20M Pottstown Boro., West Pottstgrove Twp.

Construct new road through Keystone Opportunity Zone (1.6 miles). This is a 52-acre parcel adjacent to the Schuylkill River which lacks adequate road access.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	400				
DES	HWY			400		
DES	LOCAL			100		
CON	HWY					1,600
CON	LOCAL					400
ROW	HWY					80
ROW	LOCAL					20
Fiscal Year Total		400	0	500	0	2,100
		Total FY 01-04 Cost			900	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8824 Cowpath Rd./Godshall Rd./Broad St.

MPMS# 57864

AQ Code X

Intersection Realignment
Franconia Twp.

Realign intersection. Safety hazard of two angled intersections located very close to each other.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	100				
DES	LOCAL			300		
CON	HWY					1,320
CON	STATE					330
ROW	HWY					240
ROW	LOCAL					60
Fiscal Year Total		100	0	300	0	1,950
		Total FY 01-04 Cost			400	

TIP# 8825 Edge Hill Rd.

MPMS# 57865 Easton Rd. to Jenkintown Rd.

AQ Code X

Reconstruction
Abington Twp.

Reconstruct; add curbs and drainage (.9 miles)

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	HWY		240			
PE	LOCAL		60			
DES	HWY			240		
DES	LOCAL			60		
CON	HWY					1,600
CON	STATE					400
ROW	HWY					240
ROW	LOCAL					60
Fiscal Year Total		0	300	300	0	2,300
		Total FY 01-04 Cost			600	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8826 *Norristown Rd.*

MPMS# 57866 at Stenton Ave./Narcissa Rd. (6 points)

AQ Code X Realignment
Whitpain Twp.

Realign and separate approaches to intersection. Act 209 Impact Fee partnership project.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	100				
ROW	LOCAL			200		
CON	STATE					1,000

Fiscal Year Total 100 0 200 0 1,000

Total FY 01-04 Cost 300

TIP# 8827 *Township Line Rd.*

MPMS# 57867 at Ridge Pike

AQ Code X Intersection Improvement
Limerick Twp., Upper Providence Twp.

Add turn lanes, upgrade signals.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	LOCAL	100				
DES	LOCAL				100	
CON	STATE					1,000
ROW	STATE					200

Fiscal Year Total 100 0 0 100 1,200

Total FY 01-04 Cost 200

TIP# 8829 *PA 611, Easton Rd.*

MPMS# 57870 I-276, PA Turnpike to Blair Mill Rd.

AQ Code 2002M Widening
Upper Moreland Twp., Horsham Twp.

Widen Easton Road between PA Turnpike (I-276) and Blair Mill Rd.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	LOCAL	100				
CON	HWY		850			
CON	LOCAL		750			

Fiscal Year Total 100 1,600 0 0 0

Total FY 01-04 Cost 1,700

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8830 *Sanatoga Rd.*
MPMS# 57871 over Branch of Swamp Creek
Bridge Replacement
AQ Code X New Hanover Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PE	STATE	100			
DES	STATE		150		
ROW	STATE				50
CON	STATE				700

Fiscal Year Total 100 150 0 50 700

Total FY 01-04 Cost 300

TIP# 8831 *PA 309 Design Review Manager*
MPMS# 57789 Greenwood Ave. to Welsh Rd.

AQ Code X Various

Utilize consultant services for design management of the PA 309 reconstruction project.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	HWY	1,600			
DES	STATE	400			

Fiscal Year Total 2,000 0 0 0 0

Total FY 01-04 Cost 2,000

TIP# 8832 *I-76, Schuylkill Expressway (eastbound)*
MPMS# 51225 Croton Rd. to Weadley Rd.

Noise Walls
AQ Code X Upper Merion Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	ST-SP	4,800			

Fiscal Year Total 4,800 0 0 0 0

Total FY 01-04 Cost 4,800

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Montgomery

TIP# 8833 *I-476, northbound*
 MPMS# 51222 Fulton St. to Woodside Rd.
 Noise Walls
 AQ Code X Plymouth Twp.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	ST-SP	2,500				
Fiscal Year Total		2,500	0	0	0	0
		Total FY 01-04 Cost		2,500		

TIP# 8834 *Rockland Ave. Bridge*
 MPMS# 15992 over AMTRAK's Harrisburg Line
 Bridge Replacement (pedestrian)
 AQ Code X Narberth Boro.

This bridge is currently closed to both vehicular and pedestrian traffic. The bridge will be replaced with a pedestrian bridge.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	225				
ROW	LOCAL				5	
CON	LOCAL					320
CON	STATE					1,280
Fiscal Year Total		225	0	0	5	1,600
		Total FY 01-04 Cost		230		

Total for Montgomery	93,606	134,823	162,694	138,695	411,422
		Total FY 01-04 Cost		529,818	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 0511A I-95 Levick St. Structure and

MPMS# 50575 Westmoreland St. Viaduct

Bridge & Roadway Recon., Sign Upgrade

AQ Code X Philadelphia City

Reconstruction of the Westmoreland St. viaduct and the Levick St. bridge (2 bridges), and signing upgrades.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR	8,000			
CON	HWY	4,000			
CON	STATE	2,000			
CON	STATE	1,000			
CON	BR		8,000		
CON	STATE		2,000		

Fiscal Year Total	15,000	10,000	0	0	0
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Total FY 01-04 Cost 25,000

TIP# 0511B I-95

MPMS# 47783 BLEIGH AVE. TO ACADEMY RD.

BRIDGE AND ROADWAY RECONSTRUCTION

AQ Code X

Reconstruction of six bridges and 1.2 miles of roadway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR	20,000			
CON	HWY	4,000			
CON	STATE	1,000			
CON	STATE	5,000			
CON	BR		16,000		
CON	HWY		8,000		
CON	STATE		4,000		
CON	STATE		2,000		
CON	BR			12,000	
CON	HWY			8,000	
CON	STATE			2,000	
CON	STATE			3,000	

Fiscal Year Total	30,000	30,000	25,000	0	0
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Total FY 01-04 Cost 85,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9151B I-95 & ARAMINGO AVE. (ADAMS AVE CONNCTR)

MPMS# 17782 BETSY ROSS BRIDGE TO TORRESDALE AVENUE

065C7014 CONSTRUCT NEW ROADWAY

AQ Code 2015/20M Northeast Phila.

Construct an extension of Adams Ave. east of Tacony St. to connect to ramps constructed in TIP #9151A and provide a connection between Torresdale Ave. (east of Frankford Ave.) and I-95.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	STATE	50				
ENG	STU	200				
ROW	STATE			70		
ROW	STU			280		
CON	STATE					286
CON	STU					1,142
Fiscal Year Total		250	0	350	0	1,428
		Total FY 01-04 Cost		600		

TIP# 9308 GERMANTOWN AVENUE BRIDGE

MPMS# 17109 OVER WISSAHICKON CREEK

065L002 BRIDGE REPLACEMENT

AQ Code X Northwest Phila.

The northbound lane of this two lane bridge is currently closed to traffic. The superstructure was built in 1920 and the piers in 1786. It will be replaced with a bridge with two 12' lanes, 6' shoulders, sidewalk on one side, and a pedestrian/bicycle/equestrian trail on the other side. The project also includes roadway realignment to remove a sharp curve and visual mitigation.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	BR		3,200			
CON	LOCAL		200			
CON	STATE		600			
Fiscal Year Total		0	4,000	0	0	0
		Total FY 01-04 Cost		4,000		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9332 PA 63, WOODHAVEN ROAD PROJECT

MPMS# 17112 US 1 (ROOSEVELT BLVD.)-PHILMONT AVENUE

065C7012

AQ Code 2015/20M Northeast Phila., Lower Moreland Twp.

This project involves an EIS with three alternatives: (1) no build, (2) widening the existing Byberry Rd. including extending the Woodhaven Expressway to Byberry Rd., and (3) extending Woodhaven Rd. from its current terminus at Evans St. to Philmont Ave. The limited access road would be four lanes (two lanes in each direction) from Evans St. to Bustleton Ave. and two lanes (one lane in each direction) from Bustleton Ave. to Philmont Ave. A partial diamond interchange will be constructed at Bustleton Ave.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	STATE		400			
DES	STU		1,600			
CON	HWY					36,000
CON	STATE					9,000
ROW	STATE					600
ROW	STU					2,400
Fiscal Year Total		0	2,000	0	0	48,000
Total FY 01-04 Cost					2,000	

TIP# 9345 KREWSTOWN ROAD

MPMS# 16785 OVER PENNYPACK CREEK

065L108 BRIDGE REPLACEMENT/REHABILITATION

AQ Code X Northeast Phila.

The existing bridge is a narrow two lanes with a 5' sidewalk on one side. It is currently load restricted to 20 tons. The new bridge will be on a new alignment to correct the poor horizontal and vertical geometry. It will be two lanes with shoulders and sidewalks on both sides. The existing bridge may be kept as a pedestrian/bicycle/equestrian trail.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	BR					3,210
CON	LOCAL					803
Fiscal Year Total		0	0	0	0	4,013
Total FY 01-04 Cost					0	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9375 RISING SUN AVENUE & ADAMS AVENUE (C045)

MPMS# 17793 INTERSECTION

065S026Q SIGNAL & INTERSECTION IMPROVEMENT

AQ Code X Northeast Phila.

Widen the south side of Adams Ave. to improve its alignment and upgrade the signalization by installing overhead signals and advance left turn phasing for both eastbound Adams Ave. and northbound Rising Sun Ave.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	760			
CON	STATE	190			

Fiscal Year Total	950	0	0	0	0
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Total FY 01-04 Cost 950

TIP# 9459 LINDBERGH BOULEVARD

MPMS# 17023 OVER CSX RAILROAD

065C009 BRIDGE REPLACEMENT

AQ Code X Southwest Phila.

The existing bridge has two 12' lanes, 5' shoulders, and 5' sidewalks. It will be replaced in kind.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR		2,880		
CON	STATE		720		

Fiscal Year Total	0	3,600	0	0	0
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Total FY 01-04 Cost 3,600

TIP# 9463 HOLME AVENUE

MPMS# 17464 OVER CONRAIL (1 TRACK)

065C075 BRIDGE REPLACEMENT

AQ Code X Northeast Phila.

The existing four lane bridge with a wide concrete median will be replaced in kind. The bridge is currently load restricted.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR		1,080		
CON	STATE		270		

Fiscal Year Total	0	1,350	0	0	0
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Total FY 01-04 Cost 1,350

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9464 RHAWN STREET

MPMS# 17408 OVER CONRAIL

065C074 BRIDGE REPLACEMENT

AQ Code X Northeast Phila.

The existing two lane bridge with minimal shoulders and sidewalks on both sides will be replaced in kind.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR	1,360			
CON	STATE	340			

Fiscal Year Total	1,700	0	0	0	0
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Total FY 01-04 Cost 1,700

TIP# 9555 SCHOOL HOUSE LANE

MPMS# 17582 RIDGE AVENUE TO HENRY AVENUE

065L820 RECONSTRUCTION

AQ Code X Northwest Phila.

This roadway reconstruction project includes minor widening, drainage improvements, sidewalk construction, and realignment of the Ridge Ave. intersection.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	840			
CON	STU	3,360			

Fiscal Year Total	4,200	0	0	0	0
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Total FY 01-04 Cost 4,200

TIP# 9614 CENTER CITY TRAFFIC SYSTEMS II

MPMS# 17655 SOUTH ST. TO SPRING GARDEN ST.

065S211M SIGNAL IMPROVEMENTS

AQ Code 2002M Central Phila.

This project consists of the installation of a computerized traffic signal system for approximately 170 signals.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	3,000			
CON	CMAQ		4,200		

Fiscal Year Total	3,000	4,200	0	0	0
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Total FY 01-04 Cost 7,200

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9615 PA 611, N. BROAD ST.

MPMS# 17652 SPRING GARDEN ST. TO MONT. CO. LINE

065S217C CORRIDOR IMPROVEMENTS

AQ Code 2002M North Phila.

Upgrade the traffic signals at 10 intersections.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	1,000			

Fiscal Year Total	1,000	0	0	0	0
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Total FY 01-04 Cost 1,000

TIP# 9621 HARBISON AVE./ARAMINGO AVE. (C048)

MPMS# 17659 I-95 TO ROOSEVELT BLVD.

065S249M SIGNAL AND CORRIDOR IMPROVEMENTS

AQ Code 2002M Northeast Phila.

This project includes 27 signals and covers a distance of about 6 miles. Proposed improvements on Harbison Ave. include removing the medians at the intersections for the painting of left turn standby lanes and the provision of overhead signals that will be interconnected with new controllers. Proposed improvements on Aramingo Ave. include the addition of overhead signals and left turn standby lanes from Butler St. to Bridge St.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ		2,200		
CON	STATE		550		

Fiscal Year Total	0	2,750	0	0	0
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Total FY 01-04 Cost 2,750

TIP# 9623 PA 611, S. BROAD ST. AT I-76

MPMS# 17649 AND POLLOCK ST. (STADIUM COMPLEX)

065S214F INTERCHANGE REALIGNMENT

AQ Code X South Phila.

Simplify the Broad St./Packer Ave. intersection; relocate the eastbound I-76 on-ramp out of the intersection; realign the westbound I-76 on-ramp intersection with the Broad St. main line; and remove the northbound Broad St. Service Road.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	HWY	1,520			
CON	STATE	380			

Fiscal Year Total	1,900	0	0	0	0
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Total FY 01-04 Cost 1,900

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9625 MARKET STREET

MPMS# 17657 DELAWARE COUNTY LINE TO 39TH STREET

065S225C SIGNAL & PEDESTRIAN INITIATIVES

AQ Code 2005M West Phila.

Install pedestrian crosswalks at 17 intersections beneath SEPTA's Market St. Elevated Line, modernize the traffic signals, and lengthen the left turn standby lane on Market St. where possible.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	CMAQ	400				
ENG	STATE	100				
CON	CMAQ			1,360		
CON	STATE			340		
Fiscal Year Total		500	0	1,700	0	0
		Total FY 01-04 Cost		2,200		

TIP# 9655 FAIRMOUNT PARK BIKEWAY ENHANCEMENTS

MPMS# 17751 BIKEWAY CONSTRUCTION

065H3C63

AQ Code X Northwest Phila.

This project involves the construction of a bikeway and trail along Main St. in Manayunk, the Manayunk Towpath, and the former Pennsylvania Railroad roadbed. It will provide a link to the existing paths on East River Dr. (at Ridge Ave. and Wissahickon Creek) and the Valley Forge Bikeway (at Port Royal Ave.).

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	LOCAL			180		
CON	TE			720		
Fiscal Year Total		0	0	900	0	0
		Total FY 01-04 Cost		900		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9661 40TH STREET

MPMS# 17460 OVER AMTRAK/SEPTA

065L157 BRIDGE REPLACEMENT

AQ Code X West Phila.

The existing bridge (built in 1915) has two lanes, shoulders, and sidewalks on both sides. It currently has a 3-ton weight restriction, forcing the detour of two SEPTA bus routes. The new bridge will also have two lanes, shoulders, and sidewalks on both sides.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR		928			
ROW	LOCAL		59			
ROW	STATE		174			
CON	BR					5,131
CON	LOCAL					321
CON	STATE					962
Fiscal Year Total		0	1,161	0	0	6,414
		Total FY 01-04 Cost		1,161		

TIP# 9662 BELLS MILL ROAD

MPMS# 17581 GERMANTOWN AVE. TO STENTON AVE.

065L839 RESTORATION

AQ Code X Northwest Phila.

This road restoration project involves drainage improvements, minor widening, and sidewalk improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ENG	LOCAL	40				
ENG	STU	160				
ROW	LOCAL	10				
ROW	STU	40				
CON	LOCAL		180			
CON	STU		720			
Fiscal Year Total		250	900	0	0	0
		Total FY 01-04 Cost		1,150		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9682A 42ND STREET

MPMS# 17461 OVER AMTRAK/SEPTA (SOUTH OF POPLAR)

065L164 BRIDGE DECK REPLACEMENT

AQ Code X West Phila.

The existing bridge is currently load restricted. The project involves bridge deck replacement, repainting, visual mitigation, and guiderail improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR	2,800			
CON	LOCAL	175			
CON	STATE	525			

Fiscal Year Total	3,500	0	0	0	0
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Total FY 01-04 Cost 3,500

TIP# 9684A SOUTH STREET

MPMS# 17724 OVER I-76 (WB), SCHUYLKILL RIVER, & CSX

065L160 BRIDGE REPLACEMENT

AQ Code X Central Phila.

The existing bridge has two lanes with a center left turn lane and 8' sidewalks on both sides. It will be replaced with a four lane bridge with a center left turn lane, 5' bike lanes on both sides of the road, and 5' sidewalks. The project also includes improvements to the I-76 off-ramps, visual mitigation, and detour route improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	BR		1,800		
ROW	LOCAL		112		
ROW	STATE		338		
CON	BR				8,000
CON	LOCAL				500
CON	STATE				1,500

Fiscal Year Total	0	2,250	0	10,000	0
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Total FY 01-04 Cost 12,250

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9684B SOUTH STREET

MPMS# 17603 OVER I-76 (EB) AND AMTRAK N.E. CORRIDOR
065L161 BRIDGE REHABILITATION(ENG. COSTS #9684B)
AQ Code X West Phila.

The existing bridge has two lanes with a center left turn lane and 8' sidewalks on both sides. It will be replaced with a four lane bridge with a center left turn lane, 5' bike lanes on both sides of the road, and 5' sidewalks. The project also includes improvements to the I-76 off-ramps, visual mitigation, and detour route improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR		1,040			
ROW	LOCAL		65			
ROW	STATE		195			
CON	BR					4,000
CON	LOCAL					250
CON	STATE					750
Fiscal Year Total		0	1,300	0	0	5,000
		Total FY 01-04 Cost		1,300		

TIP# 9684C SOUTH STREET

MPMS# 17462 OVER SEPTA WILMINGTON/ELWYN/AIRPORT LINE
065L162 BRIDGE REHABILITATION (ENG. COST #9684A)
AQ Code X West Phila.

The existing bridge has two lanes with a center left turn lane and 8' sidewalks on both sides. It will be replaced with a four lane bridge with a center left turn lane, 5' bike lanes on both sides of the road, and 5' sidewalks. The project also includes improvements to the I-76 off-ramps, visual mitigation, and detour route improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR		1,200			
ROW	LOCAL		75			
ROW	STATE		225			
CON	BR					4,000
CON	LOCAL					250
CON	STATE					750
Fiscal Year Total		0	1,500	0	0	5,000
		Total FY 01-04 Cost		1,500		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9689 6th Highway District "3R"

MPMS# 17766 CENTER CITY AND NORTH PHILADELPHIA

065L170 RECONSTRUCTION/RESTORATION/RESURFACING

AQ Code X Northeast Phila.

Typical components of a '3R' project include base repair, milling, overlay, resurfacing, drainage improvements, signal modernization, and guiderail improvements. The intent of a '3R' projects is to make whatever improvements are necessary to bring the road up to current standards. This project covers approximately 13 miles of roadway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	400			
CON	STU	1,600			

Fiscal Year Total	2,000	0	0	0	0
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Total FY 01-04 Cost 2,000

TIP# 9704 WESTBANK GREENWAY (C004)

MPMS# 17791 31ST ST., 32ND ST., & MANTUA AVE. (etc.)

065S019Q PEDESTRIAN/BICYCLE ENHANCEMENTS

AQ Code X West Phila.

Rebuild existing sidewalk as a pedestrian path/bikeway, rebuild fence and portions of a stone retaining wall, remove billboards, landscape to open views to the city skyline, plant street trees, install street lighting and signs, widen Spring Garden St. bridge sidewalk, construct ramp for pedestrians and bicyclists to connect the Spring Garden St. bridge to West River Drive.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	624			
CON	LOCAL	156			

Fiscal Year Total	780	0	0	0	0
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Total FY 01-04 Cost 780

TIP# 9705 ARTERIAL SIGNAL INTERCONNECT (C005)

MPMS# 17788 CITYWIDE

065S006Q SIGNAL COORDINATION

AQ Code 2002O Philadelphia City

This projects includes 448 signals and covers about 65 miles of lower volume roadway (9000-15000 ADT). Each of the roads included in the project carries a SEPTA route for all or most of its length.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	1,360			
CON	LOCAL	340			

Fiscal Year Total	1,700	0	0	0	0
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Total FY 01-04 Cost 1,700

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9707 COBB'S CREEK BIKEWAY (C072)
MPMS# 17787 US 1 CITY AVE. TO PA 291 TO AIRPORT, ETC
065S003Q BIKEWAY CONSTRUCTION
AQ Code X West Phila., Southwest Phila.

This project involves constructing a 10.2 mile bikeway running from US 1, City Ave. southwest to PA 291 at the Philadelphia International Airport, through city park land and then along city streets. It frequently intersects with mass transit stops and connects several important commercial areas.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ		2,400		
CON	LOCAL		600		

Fiscal Year Total	0	3,000	0	0	0
Total FY 01-04 Cost				3,000	

TIP# 9720 PA 611, BROAD STREET
MPMS# 17796 VINE ST. TO OLNEY AVE.
065M5416 ARTERIAL IMP. ASSOCIATED W/ I-95
AQ Code 2002M Philadelphia City

This project involves upgrading and interconnecting the traffic signals for approximately 37 intersections within the project limits. The improvement is intended to help accommodate the additional traffic that is anticipated during the rehabilitation of I-95.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	2,800			

Fiscal Year Total	2,800	0	0	0	0
Total FY 01-04 Cost				2,800	

TIP# 9721 TORRESDALE AVE.
MPMS# 17794 HARBISON AVE. TO LINDEN AVE.
065M5414 ARTERIAL IMP. ASSOCIATED W/ I-95
AQ Code 2002M Philadelphia City

This project involves upgrading and interconnecting the traffic signals for approximately 29 intersections within the project limits. The improvement is intended to help accommodate the additional traffic that is anticipated during the rehabilitation of I-95.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	1,350			

Fiscal Year Total	1,350	0	0	0	0
Total FY 01-04 Cost				1,350	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9722 NEW STATE/TACONY RD.

MPMS# 17797 BRIDGE ST. TO OLD STATE RD.

065M5417 ARTERIAL IMP. ASSOCIATED W/ I-95

AQ Code 2002M Philadelphia City

This project involves upgrading and interconnecting the traffic signals for approximately 10 intersections within the project limits. The improvement is intended to help accommodate the additional traffic that is anticipated during the rehabilitation of I-95.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	450			

Fiscal Year Total	450	0	0	0	0
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Total FY 01-04 Cost 450

TIP# 9723 KNIGHTS RD.

MPMS# 17798 FRANKFORD AVE. TO STREET RD.

065M5418 ARTERIAL IMP. ASSOCIATED W/ I-95

AQ Code 2002M Philadelphia City

This project involves upgrading and interconnecting the traffic signals for approximately 16 intersections within the project limits. The improvement is intended to help accommodate the additional traffic that is anticipated during the rehabilitation of I-95.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	475			

Fiscal Year Total	475	0	0	0	0
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Total FY 01-04 Cost 475

TIP# 9734 Island Ave.

MPMS# 17697 Woodland Ave. to Bartram Ave.

Signal Improvements

AQ Code 2002M Philadelphia

Upgrade the signal controls at six intersections, incorporating preference for SEPTA Route 36; narrow the roadway to accommodate pedestrians; and simplify three intersections.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	1,040			
CON	LOCAL	260			

Fiscal Year Total	1,300	0	0	0	0
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Total FY 01-04 Cost 1,300

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9735 *Ogontz Ave.*

MPMS# 17801 Belfield Ave. to Cheltenham Ave.

Signal Improvements

AQ Code 2002M Philadelphia

Modernize signals at 29 intersections; simplify 7 odd-angle or multi-leg intersections (included in 29 total); resurface roadway; provide bicycle lanes; reduce pedestrian crossing distances where possible; provide curbside bus zones from SEPTA Route 6 bus stops.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ		3,040		
CON	LOCAL		760		

Fiscal Year Total	0	3,800	0	0	0
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Total FY 01-04 Cost 3,800

TIP# 9736 *Kelly Drive*

MPMS# 17768 Eakins Oval to Gustine Lake Interchange

Lighting Modernization

AQ Code X Philadelphia

Modernize lighting system. Slight realignment of Sedgley/Aquarium Dr. intersection, including installation of signal to enhance and protect pedestrian crossing and cross-traffic movement.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	780			
CON	STU	3,120			

Fiscal Year Total	3,900	0	0	0	0
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Total FY 01-04 Cost 3,900

TIP# 9737 *1st/2nd/3rd Highway Districts "3R"*

MPMS# 16795

Reconstruction/Restoration/Resurfacing

AQ Code X Center City, North/South/West Phila.

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

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	440			
CON	STU	1,760			

Fiscal Year Total	2,200	0	0	0	0
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Total FY 01-04 Cost 2,200

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9739 Cayuga St. (w. of 5th St., Hunting Park)

MPMS# 17722 over Abandoned Railroad

Bridge Removal

AQ Code X Philadelphia

Removal of bridge, fill of area, repaving.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR		1,600		
CON	LOCAL		200		
CON	STATE		200		

Fiscal Year Total	0	2,000	0	0	0
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Total FY 01-04 Cost 2,000

TIP# 9740 North Delaware Ave.

MPMS# 46956 Lewis St. to Bridge St.

New Roadway Phase I

AQ Code 2005M Philadelphia

Construct a new roadway and a new bridge across Frankford Creek to improve access to I-95 and the Betsy Ross Bridge.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	DEMO	160			
DES	LOCAL	40			
CON	DEMO				3,927
CON	LOCAL				1,400
CON	STU				1,673

Fiscal Year Total	200	0	0	7,000	0
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Total FY 01-04 Cost 7,200

TIP# 9741 Germantown Ave.: Ashmead Pl. to Coulter

MPMS# 48191 Allens La. to Cresheim Valley Dr.

Reconstruction

AQ Code X Philadelphia

Reconstruct roadway and replace trolley tracks.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	STATE	80			
DES	STU	320			
CON	HWY				3,200
CON	STATE				800

Fiscal Year Total	400	0	0	0	4,000
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Total FY 01-04 Cost 400

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9742 Glenwood Ave. (w. of 3rd St., N. Phila.)

MPMS# 17492 over Abandoned Railroad

066786210 Bridge Removal

AQ Code X Philadelphia

Removal of bridge, fill of area, repaving.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR	800			
CON	LOCAL	100			
CON	STATE	100			

Fiscal Year Total	1,000	0	0	0	0
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Total FY 01-04 Cost 1,000

TIP# 9743 Allen's Lane

MPMS# 48193 over SEPTA (s. of Germantown Ave.)

Bridge Replacement

AQ Code X Philadelphia

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	BR	208			
DES	LOCAL	52			
ROW	BR		460		
ROW	STATE		115		
CON	BR			1,200	
CON	STATE			300	

Fiscal Year Total	260	575	1,500	0	0
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Total FY 01-04 Cost 2,335

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9744 *Independence Mall Gateway*

MPMS# 46957 5th St., 6th St., Chestnut St.,
Market St., Arch St., and Race St.
AQ Code X Philadelphia

Investigation of new crosswalks, bus loading/unloading areas, traffic control needs, and related improvements to improve traffic flow, pedestrian paths, and circulation of tour/charter buses in vicinity of Independence Mall. Preliminary engineering efforts will identify specific improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	DEMO	350			
DES	LOCAL	150			
CON	DEMO			5,850	
CON	LOCAL			1,450	

Fiscal Year Total	500	0	7,300	0	0
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Total FY 01-04 Cost	7,800
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TIP# 9745 *I-95/International Airport Ramp Revision*

MPMS# 17828 I-95 Airport Interchange

AQ Code 2005M Philadelphia, Tinicum Twp.

Realignment of current SB I-95 Airport exit, new structure over I-95, creation of new NB direct I-95 Airport exit, and revisions to existing PA 291 to accommodate new Terminal 1.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	BR	22,400			
CON	DEMO*	6,840			
CON	ECDV*	1,408			
CON	HWY	6,300			
CON	STAT*	7,477			
CON	BR		11,160		
CON	DEMO*		7,220		
CON	STAT*		4,595		
CON	DEMO*			6,693	
CON	STAT*			1,673	

Fiscal Year Total	44,425	22,975	8,366	0	0
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Total FY 01-04 Cost	75,766
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9746 30th St. Station Intermodal Gateway

MPMS# 17135 Vicinity of 30th St. Station

AQ Code X

Philadelphia

Focus will be on pedestrian path revisions, traffic signal work, transit improvements for surface bus loading and related work to alleviate confusing and pedestrian unfriendly station roadway layout.

Additional funding for this project is programmed in the SEPTA section under TIP #S092.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	DEMO	300				
PE	LOCAL	75				
DES	DEMO		300			
DES	LOCAL		75			
CON	DEMO				5,400	
CON	LOCAL				1,350	
Fiscal Year Total		375	375	0	6,750	0
		Total FY 01-04 Cost			7,500	

TIP# 9747

Vine St. Pedestrian Bridge

MPMS# 46960

between 15th and 16th Sts.

AQ Code X

Philadelphia

Proposed stadium at Broad and Spring Garden Sts. will introduce significant pedestrian movement through the area. Construction of a pedestrian bridge across Vine St., I-676 ramps, and Callowhill St. has been proposed.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	DEMO	50				
PE	LOCAL	10				
DES	DEMO		150			
DES	LOCAL		40			
CON	DEMO			800		
CON	LOCAL			200		
Fiscal Year Total		60	190	1,000	0	0
		Total FY 01-04 Cost			1,250	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9748 Philadelphia Naval Shipyard Access

MPMS# 46958

AQ Code X

Philadelphia

Current privatization of site will necessitate provision of new access roadways. Two alternatives are being explored - extension of Delaware Ave. and connection to 26th St. on north side of Ship Basin. A third, connecting from Broad St. on new alignment has been preliminarily evaluated.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	DEMO	200			
DES	LOCAL	50			
CON	DEMO			3,200	
CON	LOCAL			725	

Fiscal Year Total	250	0	3,925	0	0
		Total FY 01-04 Cost		4,175	

TIP# 9749

Tioga Marine Terminal

MPMS# 17825

between Allegheny Ave. and Castor Ave.

AQ Code X

Philadelphia

Eight new truck lanes and gate will be constructed at the container terminal and four new truck lanes and gate will be constructed at the breakbulk terminal. The container lanes/gate will have office space for clerks and administrators and three lanes with truck scales. In the vicinity of the container gate there will be a roofed roadability examination area. In the vicinity of the breakbulk lanes/gate there will be new traffic signals and highway striping.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	DEMO	120			
DES	LOCAL	30			
PE	DEMO	80			
PE	LOCAL	20			
CON	DEMO			1,000	
CON	LOCAL			250	

Fiscal Year Total	250	0	1,250	0	0
		Total FY 01-04 Cost		1,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9750 *West Philadelphia Congestion Mitigation*
MPMS# 17830 Woodland Ave. btw. 42nd & 46th Sts.

AQ Code X Philadelphia

This project consists of converting a large portion of the abandoned Breyers ice cream plant into a parking area to serve students and public transit commuters. The 11 acre tract of land, adjacent to and owned by the University of the Sciences in Philadelphia, is located along 43rd St. and runs from Woodland Ave. to the Schuylkill River.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	DEMO		369		
Fiscal Year Total		0	369	0	0
Total FY 01-04 Cost					369

TIP# 9751 *Drexel Highway Research Facility*
MPMS# 46961 Market St. near 30th St. Station

AQ Code X Construction of New Building
Philadelphia

This project consists of constructing a new facility to house the Drexel Intelligent Infrastructure Institute and related research and development programs. The building will showcase cutting-edge information support and management systems that are vital to modern transportation and safety research.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PE	DEMO		1,000		
Fiscal Year Total		0	1,000	0	0
Total FY 01-04 Cost					1,000

TIP# 9754 *Belfield Ave.*
MPMS# 48194 Old York Rd. to Wister St.

AQ Code 2002M Corridor Optimization
Philadelphia

Signal modernization, channelization, pavement markings, and related work, including provisions for bicycle accommodation and enhanced pedestrian flow.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	CMAQ	120			
DES	LOCAL	30			
CON	CMAQ		880		
CON	LOCAL		220		
Fiscal Year Total		150	1,100	0	0
Total FY 01-04 Cost					1,250

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9755 Tyson Ave.

MPMS# 48195 Rising Sun Ave. to Torresdale Ave.

Corridor Optimization
Philadelphia

AQ Code 2002M

Signal modernization, pavement markings, provisions for bicycles, improved pedestrian crosswalks, signal interconnection, minor work on five recently completed intersections, and related work.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ	40				
DES	LOCAL	10				
CON	CMAQ		1,440			
CON	LOCAL		360			
Fiscal Year Total		50	1,800	0	0	0
			Total FY 01-04 Cost	1,850		

TIP# 9756 I-95

MPMS# 17821 Shackamaxon St. to Ann St.

065M5421 Widening, interchange improvement

AQ Code 2015/20M Philadelphia

Widen I-95 mainline to eliminate lane drops in both directions. Modify interchange to provide additional southbound off-ramp to Delaware Ave. (involves 17 bridges and .3 miles of roadway)

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	1,900				
DES	DEMO	1,700				
DES	STATE	900				
ROW	DEMO		800			
ROW	STATE		200			
CON	BR					69,000
CON	DEMO					14,540
CON	HWY					9,518
CON	STATE					21,942
Fiscal Year Total		4,500	1,000	0	0	115,000
			Total FY 01-04 Cost	5,500		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9757 I-95

MPMS# 47394 Levick St. to Bleigh Ave.

98723 Bridge and roadway reconstruction

AQ Code 2015/20M Philadelphia

Reconstruct 8 bridges and 1.2 miles of roadway. Widen in area of Princeton-Cottman interchange to accommodate new southbound on-ramp from Cottman Ave. and northbound on-ramp from Milnor St.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	5,100				
DES	DEMO	1,700				
DES	STATE	1,700				
ROW	DEMO		4,000			
ROW	STATE		1,000			
CON	BR					42,000
CON	DEMO					6,652
CON	HWY					8,267
CON	STATE					13,081
Fiscal Year Total		8,500	5,000	0	0	70,000
		Total FY 01-04 Cost		13,500		

TIP# 9759 I-95

MPMS# 47811 Orthodox St. to Levick St.

98100 Bridge and roadway reconstruction

AQ Code 2015/20M Philadelphia

Reconstruct 9 bridges and 1.1 miles of roadway. Relocate southbound off-ramp from existing location at James St. to new location at Carver St. Eliminate lane drops in northbound and southbound directions at Bridge St.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR			2,000		
DES	DEMO			2,000		
DES	STATE			1,000		
ROW	DEMO				3,200	
ROW	STATE				800	
CON	BR					24,000
CON	DEMO					6,400
CON	HWY					19,800
CON	STATE					9,800
Fiscal Year Total		0	0	5,000	4,000	60,000
		Total FY 01-04 Cost		9,000		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9760 I-95

MPMS# 47812

Wheatsheaf Lane to Orthodox St.

Bridge and roadway reconstruction

AQ Code 2015/20M

Philadelphia

Reconstruct 9 bridges and .1 mile of roadway. Eliminate lane drops associated with Betsy Ross Bridge.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR			4,800		
DES	STATE			1,200		
ROW	BR				3,200	
ROW	STATE				800	
CON	BR					56,000
CON	STATE					14,000
Fiscal Year Total		0	0	6,000	4,000	70,000
		Total FY 01-04 Cost		10,000		

TIP# 9761 I-95

MPMS# 47813

Ann St. to Wheatsheaf Lane

Bridge and roadway reconstruction

AQ Code X

Philadelphia

Reconstruct 10 bridges and .9 miles of roadway.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR			2,400		
DES	DEMO			800		
DES	STATE			800		
ROW	DEMO				800	
ROW	STATE				200	
CON	BR					21,000
CON	DEMO					7,000
CON	STATE					7,000
Fiscal Year Total		0	0	4,000	1,000	35,000
		Total FY 01-04 Cost		5,000		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9763 *Chestnut Street*
MPMS# 57335 over I-95 and Columbus Blvd.
Streetscape Improvements
AQ Code X Philadelphia

Rehabilitation of existing sidewalks, lighting modernization, and the addition of streetscape elements to complement the Penns Landing development.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	220			
CON	STU	880			

Fiscal Year Total 1,100 0 0 0 0

Total FY 01-04 Cost 1,100

TIP# 9764 *I-76, Schuylkill Expressway*
MPMS# 17826 I-676, Vine Expy. to Platt Bridge-PA-291
Intelligent Transportation System
AQ Code 20050 Philadelphia

1 variable message sign, 14 closed circuit televisions, 4 detectors

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	CMAQ		40		
ROW	STATE		10		
CON	CMAQ				2,120
CON	STATE				530

Fiscal Year Total 0 50 0 2,650 0

Total FY 01-04 Cost 2,700

TIP# 9765 *I-76, Schuylkill Expressway*
MPMS# 17827 I-676, Vine Expy. to Pencoyd Bridge
Intelligent Transportation System
AQ Code 20050 Philadelphia

1 variable message sign, 14 closed circuit televisions, 10 detectors

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ROW	CMAQ		40		
ROW	STATE		10		
CON	CMAQ				2,840
CON	STATE				710

Fiscal Year Total 0 50 0 3,550 0

Total FY 01-04 Cost 3,600

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9766 46th/Market Transportation System

MPMS# 17833

AQ Code X

Philadelphia

Streetscape improvements including, but not limited to, curbing, paving, shelters, traffic management striping, sidewalks, landscaping, and lighting. These improvements will be advanced in coordination with the Market Street Elevated Reconstruction Project and the City's streetscape plan.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	DEMO	450				
DES	LOCAL	19				
DES	T-STA	94				
PE	DEMO	330				
PE	LOCAL	14				
PE	T-STA	69				
CON	DEMO		540			
CON	LOCAL		22			
CON	T-STA		113			
CON	DEMO			570		
CON	LOCAL			23		
CON	T-STA			119		
Fiscal Year Total		976	675	712	0	0
Total FY 01-04 Cost					2,363	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9767 52nd/Lancaster Ave. Enhancements

MPMS# 17829

AQ Code X

Philadelphia

Project elements to include, but not limited to, upgrading signage, installing bus shelters, constructing bus pull in/pull out lanes, traffic management striping, and improved signalization.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	DEMO	450				
DES	LOCAL	19				
DES	T-STA	94				
PE	DEMO	330				
PE	LOCAL	14				
PE	T-STA	69				
CON	DEMO		540			
CON	LOCAL		22			
CON	T-STA		113			
CON	DEMO			570		
CON	LOCAL			23		
CON	T-STA			119		
Fiscal Year Total		976	675	712	0	0
		Total FY 01-04 Cost				2,363

TIP# 9768 Manayunk Recreation Path - Phase II

MPMS# 50522

AQ Code X

Philadelphia

Completion of the unfinished segment of the East Fairmount Park recreation trail: Ridge Ave./Main St. link to Valley Forge.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	LOCAL			200		
ERC	TE			800		
Fiscal Year Total		0	0	1,000	0	0
		Total FY 01-04 Cost				1,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9770 *Westbank Greenway - Phase 2*

MPMS# 50523

AQ Code X Philadelphia

This project entails scenic beautification and creation and enhancement of pedestrian/bicycle paths along portions of the Schuylkill, connecting 30th St. Station, the Philadelphia Museum of Art, the Philadelphia Zoo, East and West segments of Fairmount Park, and the planned Schuylkill River Park. This phase includes construction or restoration of pedestrian/bicycle paths on the remaining portions of the Greenway, streetscaping, and landscaping.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	150				
CON	TE			1,500		
Fiscal Year Total		150	0	1,500	0	0
		Total FY 01-04 Cost			1,650	

TIP# 9771 *Pennypack Recreation Trail Improvements*

MPMS# 57288

AQ Code X Philadelphia

This project will improve and enhance the existing path to increase user safety, access, and enjoyment.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	LOCAL			55		
ERC	RecTr			140		
Fiscal Year Total		0	0	195	0	0
		Total FY 01-04 Cost			195	

TIP# 9772 *Mast Arm Evaluation*

MPMS# 51075

AQ Code X Philadelphia

This effort will entail the evaluation of current traffic signal mast arms, many of which are approaching 20-30 years of age, to determine the remaining useful life and condition. Remedial efforts and possible alternate pole materials will be reviewed.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	10				
DES	STU	40				
Fiscal Year Total		50	0	0	0	0
		Total FY 01-04 Cost			50	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9773 I-76 / US 1

MPMS# 50931 Gustine Lake Interchange

AQ Code X Bridge Replacements

Philadelphia

In kind replacement of five bridges.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR			400		
ROW	STATE			100		
CON	BR					6,400
CON	STATE					1,600

Fiscal Year Total	0	0	500	0	8,000
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Total FY 01-04 Cost 500

TIP# 9774 Independence Transportation Center

MPMS# 57333 5th St. between Race St. and Arch St.

AQ Code X

This project will coordinate charter and tour bus arrivals and departures to and from Independence Mall through the construction of a well-designed loading and unloading facility.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	CMAQ		4,343			
CON	LOCAL		1,086			

Fiscal Year Total	0	5,429	0	0	0
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Total FY 01-04 Cost 5,429

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9776 *Montgomery Avenue*
MPMS# 57276 over Amtrack (at 30th Street)
Bridge Replacement
AQ Code X Philadelphia

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	560				
DES	LOCAL	35				
DES	STATE	105				
ROW	BR			1,200		
ROW	LOCAL			75		
ROW	STATE			225		
CON	BR					4,800
CON	LOCAL					300
CON	STATE					900
Fiscal Year Total		700	0	1,500	0	6,000
		Total FY 01-04 Cost		2,200		

TIP# 9777 *Sedgley Avenue*
MPMS# 57268 over Conrail (west of 3rd Street)
Bridge Removal
AQ Code X Philadelphia

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ROW	BR		80			
ROW	LOCAL		5			
ROW	STATE		15			
CON	BR					1,440
CON	LOCAL					90
CON	STATE					270
Fiscal Year Total		0	100	0	0	1,800
		Total FY 01-04 Cost		100		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9778 59th Street

MPMS# 17489 over Amtrak (at Lancaster Avenue)

AQ Code X Bridge Replacement
Philadelphia

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	560				
DES	LOCAL	35				
DES	STATE	105				
ROW	BR			1,200		
ROW	LOCAL			75		
ROW	STATE			225		
CON	BR					4,880
CON	LOCAL					300
CON	STATE					900
Fiscal Year Total		700	0	1,500	0	6,080
		Total FY 01-04 Cost		2,200		

TIP# 9779 Ontario Street

MPMS# 57273 over Conrail (east of 5th Street)

AQ Code X Bridge Removal
Philadelphia

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	80				
DES	LOCAL	5				
DES	STATE	15				
ROW	BR			80		
ROW	LOCAL			5		
ROW	STATE			15		
CON	BR				960	
CON	LOCAL				60	
CON	STATE				180	
Fiscal Year Total		100	0	100	1,200	0
		Total FY 01-04 Cost		1,400		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9780 *Hunting Park Avenue*
MPMS# 57275 over Conrail (east of 5th Street)
AQ Code X Bridge Removal
Philadelphia

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	BR	80			
DES	LOCAL	5			
DES	STATE	15			
ROW	BR			80	
ROW	LOCAL			5	
ROW	STATE			15	
CON	BR				960
CON	LOCAL				60
CON	STATE				180

Fiscal Year Total 100 0 100 0 1,200

Total FY 01-04 Cost 200

TIP# 9781 *Erie Avenue*
MPMS# 57334 over Conrail (east of 4th Street)
AQ Code X Bridge Removal
Philadelphia

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	BR	80			
DES	LOCAL	5			
DES	STATE	15			
ROW	BR			96	
ROW	LOCAL			6	
ROW	STATE			18	
CON	BR				1,440
CON	LOCAL				90
CON	STATE				270

Fiscal Year Total 100 0 120 0 1,800

Total FY 01-04 Cost 220

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9782 *Rising Sun Avenue*
MPMS# 57278 over Conrail (at 2nd Street)
AQ Code X Bridge Removal
Philadelphia

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	80				
DES	LOCAL	5				
DES	STATE	15				
ROW	BR			80		
ROW	LOCAL			5		
ROW	STATE			15		
CON	BR					960
CON	LOCAL					60
CON	STATE					180
Fiscal Year Total		100	0	100	0	1,200
		Total FY 01-04 Cost			200	

TIP# 9786 *I-95/Christian St.*
MPMS# 61713 Pedestrian Improvement Project
AQ Code X Philadelphia

Installation of streetscape improvements including pedestrian scale lighting, landscaping, pedestrian paths, and wall mural.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	5				
PE	LOCAL	44				
CON	TE			80		
Fiscal Year Total		49	0	80	0	0
		Total FY 01-04 Cost			129	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9787 *Restoration of the Manayunk Canal*

MPMS# 61714

AQ Code X

Philadelphia

Engineering and design for historic restoration of sluice house and three locks to operating condition.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	114			
DES	TE	454			

Fiscal Year Total	568	0	0	0	0
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Total FY 01-04 Cost	568
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TIP# 9788 *Island Avenue*

MPMS# 61716 Gateway Landscaping

AQ Code X

Philadelphia

Installation of gateway treatment and landscape planting in median on Island Ave.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	75			
CON	TE				300

Fiscal Year Total	75	0	0	300	0
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Total FY 01-04 Cost	375
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TIP# 9789 *Fairmount Water Works Dock*

MPMS# 61717

AQ Code X

Philadelphia

Reconstruction of the ferry dock at the Fairmount Water Works, to restore marine transportation to the lower Schuylkill River.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	100			
CON	TE				400

Fiscal Year Total	100	0	0	400	0
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Total FY 01-04 Cost	500
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9790 *Allen Lane Train Station Renovation*

MPMS# 61718

AQ Code X

Philadelphia

Completion of renovation of active train station.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	862			
CON	TTE	538			

Fiscal Year Total	1,400	0	0	0	0
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Total FY 01-04 Cost 1,400

TIP# 9791 *Girard Ave. Streetscape Enhancements*

MPMS# 61719

AQ Code X

Philadelphia

Installation of signage, art at selected trolley stations; installation of landscaping and lighting along the 8.4 mile trolley line.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	LOCAL	96			
CON	TTE	384			

Fiscal Year Total	480	0	0	0	0
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Total FY 01-04 Cost 480

TIP# 9792 *Kensington and Tacony*

MPMS# 61712 Rail with Trail

AQ Code X

Philadelphia

Construction of a multi-use trail.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PE	LOCAL	50			
DES	LOCAL		100		
ROW	LOCAL			50	
CON	TE				500

Fiscal Year Total	50	100	50	500	0
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Total FY 01-04 Cost 700

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9794 *Route 10 Light Rail Transit First*

MPMS# 59308 Signalization Project (Q10)

AQ Code 2005O Philadelphia

Modernization and coordination of traffic signals along SEPTA Light Rail Route 10, resulting in a network of traffic signals which can be programmed for trolley progression and preemption thought tie-ins to SEPTA's Light Rail locator network or roadway detectors.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	1,928			
CON	LOCAL	80			
CON	TBOND	402			
DES	CMAQ	267			
DES	LOCAL	11			
DES	TBOND	56			

Fiscal Year Total	2,744	0	0	0	0
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Total FY 01-04 Cost 2,744

TIP# 9795 *Route 52 Transit First*

MPMS# 59348 Signalization Project (Q11)

AQ Code 2005O Philadelphia

Modernization and coordination of traffic signals along SEPTA bus route 52, resulting in a network of traffic signals which can be programmed for preferential signaling for transit vehicles.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	1,851			
CON	LOCAL	77			
CON	TBOND	386			
DES	CMAQ	341			
DES	LOCAL	14			
DES	TBOND	71			

Fiscal Year Total	2,740	0	0	0	0
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Total FY 01-04 Cost 2,740

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9796 *Girard Avenue Light Rail (Route 15)*

MPMS# 59355 Signalization Project (Q12)

AQ Code 20020 Philadelphia

Modernization and coordination of traffic signals along Girard Avenue resulting in a network of traffic signals which can be programmed for transit vehicle progression and preemption through tie-ins to SEPTA's light rail locator network or roadway detectors.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	3,200			
CON	LOCAL	133			
CON	TBOND	667			
DES	ACT3	425			
DES	LOCAL	15			

Fiscal Year Total	4,440	0	0	0	0
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Total FY 01-04 Cost	4,440
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TIP# 9797 *Arterial Interconnect 99 #2 (Q16)*

MPMS# 59402

AQ Code 20050 Philadelphia

Installation of fiber optic cable and new solid state traffic controllers to coordinate existing traffic signals on various corridors (22nd St., 29th St., C.B. Moore Ave., Mascher St., Wayne Ave., and Wynnefield Ave.)

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PE	LOCAL	30			
DES	LOCAL		70		
CON	CMAQ				1,835

Fiscal Year Total	30	70	0	1,835	0
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Total FY 01-04 Cost	1,935
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9798 *Tioga Marine Terminal Intermodal*

MPMS# 59446 Transfer Expansion and Rail Imp. (Q21)

N. Delaware Ave., Tioga St.

AQ Code X Philadelphia

Add 2220 feet of track on two spurs at the north end of the terminal, improving the rail infrastructure necessary to facilitate on-dock rail operations. Add rail trackage and spurs needed due to new construction at the terminal which blocks existing rail access.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	45			
CON	CMAQ		400		
CON	LOCAL		100		

Fiscal Year Total 45 500 0 0 0

Total FY 01-04 Cost 545

TIP# 9799 *Manayunk Travel Awareness Campaign (Q24)*

MPMS# 60682

AQ Code X Philadelphia

An educational effort consisting of interactive workshops, media, and special materials and publications designed to alter the travel behavior of residents and visitors to the Manayunk area.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PLS	CMAQ	220			
PLS	LOCAL	73			

Fiscal Year Total 293 0 0 0 0

Total FY 01-04 Cost 293

TIP# 9800 *Lehigh Ave.*

MPMS# 57893 Richmond St. to Ridge Ave.

Signal Modernization

AQ Code 2005M North Phila., Kensington, Port Richmond

Signal modernization, (40 intersections), minor roadway improvements, pavement markings and related work.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	HWY	400			
DES	LOCAL	100			
CON	HWY				3,840
CON	LOCAL				960

Fiscal Year Total 500 0 0 4,800 0

Total FY 01-04 Cost 5,300

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9801 Stenton Ave. and Godfrey Ave.

MPMS# 57894

AQ Code 2005M Signal Modernization
Chestnut Hill, Mount Airy, Fern Rock, Crescentville

Stenton Avenue – Paper Mill Road to Broad Street
Godfrey Avenue – Broad Street to Front Street

Signal modernization (30 intersections), minor roadway improvements, pavement markings and related work

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY	320				
DES	LOCAL	80				
CON	HWY				3,200	
CON	LOCAL				800	
Fiscal Year Total		400	0	0	4,000	0
		Total FY 01-04 Cost			4,400	

TIP# 9802 City Wide 3R, Phase III

MPMS# 57895

AQ Code X City-wide
Reconstruction/Restoration/Resurfacing
Philadelphia

Milling/resurfacing/restoration of existing roadways, minor drainage improvements, guide rail, pavement markings and related work

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY	80				
DES	LOCAL	20				
CON	HWY			1,760		
CON	LOCAL			440		
Fiscal Year Total		100	0	2,200	0	0
		Total FY 01-04 Cost			2,300	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9803 *Red Lion Rd.*

MPMS# 57896 Roosevelt Blvd. to Montgomery Co. Line

Signal Modernization

AQ Code 2015/20M Northeast Philadelphia

Signal modernization (7 intersections), minor roadway improvements, pavement markings and related work.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
DES	CMAQ	80				
DES	LOCAL	20				
CON	CMAQ					880
CON	LOCAL					220
Fiscal Year Total		100	0	0	0	1,100
		Total FY 01-04 Cost			100	

TIP# 9804 *Haverford Ave.*

MPMS# 57897 40th St. to City Ave.

Signal Modernization

AQ Code 2015/20M West Philadelphia

Signal modernization (33 intersections), minor roadway improvements, pavement markings and related work.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
DES	HWY		280			
DES	LOCAL		70			
CON	HWY				3,040	
CON	LOCAL				760	
Fiscal Year Total		0	350	0	3,800	0
		Total FY 01-04 Cost			4,150	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9805 *Lancaster Ave.*

MPMS# 57898 45th St. to City Ave.

AQ Code 2015/20M Signal Modernization

West Philadelphia

Signal modernization (10 intersections), minor roadway improvements, pavement markings and related work.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	CMAQ		120			
DES	LOCAL		30			
CON	CMAQ					1,120
CON	LOCAL					280

Fiscal Year Total 0 150 0 0 1,400

Total FY 01-04 Cost 150

TIP# 9806 *Germantown Ave. over Cresheim Creek*

MPMS# 57899 south of Cresheim Valley Dr.

AQ Code X Bridge Replacement

Mount Airy

Replacement of existing structure and related work.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR		160			
DES	LOCAL		20			
DES	STATE		20			
CON	BR				640	
CON	LOCAL				80	
CON	STATE				80	

Fiscal Year Total 0 200 0 800 0

Total FY 01-04 Cost 1,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9807 *Abbottsford Ave. over SEPTA*

MPMS# 57900 west of Wissahickon Ave.

AQ Code X Bridge Replacement

Nicetown, East Falls

Replacement of existing structure and related work.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR		240			
DES	LOCAL		30			
DES	STATE		30			
ROW	BR			80		
ROW	LOCAL			10		
ROW	STATE			10		
CON	BR					2,000
CON	LOCAL					250
CON	STATE					250
Fiscal Year Total		0	300	100	0	2,500
			Total FY 01-04 Cost		400	

TIP# 9808 *City Wide 3R, Phase IV*

MPMS# 57901 City-wide

AQ Code X Reconstruction/Restoration/Resurfacing

Philadelphia

Milling/resurfacing/restoration of existing roadways, minor drainage improvements, guide rail, pavement markings and related work.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY		80			
DES	LOCAL		20			
CON	HWY					1,760
CON	LOCAL					440
Fiscal Year Total		0	100	0	0	2,200
			Total FY 01-04 Cost		100	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9809 City Wide 3R, Phase V

MPMS# 57902 City-wide

Reconstruction/Restoration/Resurfacing

AQ Code X Philadelphia

Milling/resurfacing/restoration of existing roadways, minor drainage improvements, guide rail, pavement markings and related work.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY		80			
DES	LOCAL		20			
CON	HWY					1,760
CON	LOCAL					440
Fiscal Year Total		0	100	0	0	2,200
		Total FY 01-04 Cost		100		

TIP# 9810 City Wide 3R, Phase VI

MPMS# 57903 City-wide

Reconstruction/Restoration/Resurfacing

AQ Code X Philadelphia

Milling/resurfacing/restoration of existing roadways, minor drainage improvements, guide rail, pavement markings and related work.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	HWY			80		
DES	LOCAL			20		
CON	HWY					1,760
CON	LOCAL					440
Fiscal Year Total		0	0	100	0	2,200
		Total FY 01-04 Cost		100		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9811 PA 291, Platt Bridge

MPMS# 57904 over Schuylkill River

Bridge Painting (Preventive Maintenance)

AQ Code X Philadelphia

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	BR	80				
PE	STATE	20				
DES	BR		400			
DES	STATE		100			
ROW	BR				40	
ROW	STATE				10	
CON	BR					8,000
CON	STATE					2,000
Fiscal Year Total		100	500	0	50	10,000
		Total FY 01-04 Cost			650	

TIP# 9812 I-95

MPMS# 57905 Structures within the Sludge Lagoons

Protection of Structures

AQ Code X Philadelphia

Cathodic protection of I-95 structures within the sludge lagoons operated by the City of Philadelphia Water Department. Sludge lagoons are a threat to the structural integrity of the I-95 bridge.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	BR	1,200				
CON	STATE	300				
Fiscal Year Total		1,500	0	0	0	0
		Total FY 01-04 Cost			1,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9813 I-95

MPMS# 57874

Vine Street Interchange

Rehab., Recon., Operational Imp.

AQ Code X

Philadelphia

Structure rehabilitation, roadway reconstruction, and operational improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PE	HWY		2,800			
PE	STATE		700			
DES	HWY					4,800
DES	STATE					1,200
ROW	HWY					6,400
ROW	STATE					1,600
CON	HWY					32,000
CON	STATE					8,000
Fiscal Year Total		0	3,500	0	0	54,000
		Total FY 01-04 Cost				3,500

TIP# 9814

I-95 Design Review Manager

MPMS# 46959

Race St. to Neshaminy Creek

AQ Code X

Philadelphia

Secure the services of a design consultant to review approximately 100 structure plans as part of the I-95 reconstruction program.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	BR	3,200				
DES	STATE	800				
Fiscal Year Total		4,000	0	0	0	0
		Total FY 01-04 Cost				4,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Philadelphia

TIP# 9815 Woodhaven Rd.

MPMS# 51214

AQ Code X Noise Walls
Philadelphia

Construct noise walls on the north side of Woodhaven Rd. from Byberry Rd. to Thornton Rd. and on the south side from Normandy Homes to Norcum St.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
CON	ST-SP	11,520				
ROW	ST-SP	722				
Fiscal Year Total		12,242	0	0	0	0
		Total FY 01-04 Cost		12,242		
Total for Philadelphia		177,133	121,044	76,860	56,635	525,535
		Total FY 01-04 Cost		431,672		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0515 BETTERMENT PROJECTS ('3R')

MPMS# 17876 REGIONWIDE

Reconstruction/Restoration/Resurfacing

AQ Code X

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

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	HWY	12,500				
CON	ST187	6,250				
CON	STU	12,500				
CON	HWY		12,500			
CON	ST187		6,250			
CON	STU		12,500			
Fiscal Year Total		31,250	31,250	0	0	0
		Total FY 01-04 Cost		62,500		

TIP# 0517 RAILROAD/HIGHWAY GRADE CROSSINGS

MPMS# 36927 REGIONWIDE IMPROVEMENTS

8694601

AQ Code X

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.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	SFTY	2,520				
ERC	ST187	280				
ERC	SFTY		2,520			
ERC	ST187		280			
ERC	SFTY			2,520		
ERC	ST187			280		
ERC	SFTY				2,520	
ERC	ST187				280	
Fiscal Year Total		2,800	2,800	2,800	2,800	0
		Total FY 01-04 Cost		11,200		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0521 *TransitChek Mass Marketing Efforts*

MPMS# 17891

AQ Code X

Various Municipalities

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 TransitChek sales.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PLS	CMAQ	160				
PLS	LOCAL	40				
PLS	CMAQ		160			
PLS	LOCAL		40			
PLS	CMAQ			160		
PLS	LOCAL			40		
PLS	CMAQ				160	
PLS	LOCAL				40	
Fiscal Year Total		200	200	200	200	0
		Total FY 01-04 Cost			800	

TIP# 0532 *MOBILITY ALTERNATIVES PROGRAM (MAP)*

MPMS# 17900 *AND SHARE-A-RIDE PROGRAM (SAR)*

060C004T

AQ Code X

These congestion mitigation efforts cover administration, business outreach efforts by contracted agencies, and the marketing of both programs. MAP is geared to employers, while SAR is now available to employees, too.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PLS	CMAQ	654				
PLS	LOCAL	109				
PLS	STATE	54				
PLS	CMAQ		654			
PLS	LOCAL		109			
PLS	STATE		54			
PLS	CMAQ			654		
PLS	LOCAL			109		
PLS	STATE			54		
PLS	CMAQ				654	
PLS	LOCAL				109	
PLS	STATE				54	
Fiscal Year Total		817	817	817	817	0
		Total FY 01-04 Cost			3,268	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0536 Telecommuting: The Green Commute

MPMS# 49318 Phase II

AQ Code X

In Phase 2 of the Green Commute Program the Clean Air Council will (1) continue its participation in the Ozone Action Program, (2) complete the telecommuting database, (3) continue to work with the media to promote the benefits of telecommuting, (4) continue to reach out to the public and corporate managers, (5) operate a hotline and a resource center for telecommuters and managers, and (6) update and publish the telecommuting resource guide.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PLS	CMAQ	120			
PLS	LOCAL	30			

Fiscal Year Total	150	0	0	0	0
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Total FY 01-04 Cost	150
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TIP# 0537 ALTERNATIVE FUEL PROJECT (C017A)

MPMS# 17907

060S001Q

AQ Code X

This project provides for the acquisition of approximately 24 to 30 hybrid electric buses for use throughout the entire five county SEPTA service area.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	5,608			
CON	LOCAL	233			
CON	T-STA	1,169			

Fiscal Year Total	7,010	0	0	0	0
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Total FY 01-04 Cost	7,010
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0563 OZONE ACTION PROGRAM
MPMS# 17928 CONTRACT SERVICES

AQ Code X

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)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PLS	CMAQ	92				
PLS	DEP	15				
PLS	LOCAL	8				
PLS	CMAQ		100			
PLS	DEP		15			
PLS	LOCAL		10			
PLS	CMAQ			108		
PLS	DEP			15		
PLS	LOCAL			12		
PLS	CMAQ				120	
PLS	DEP				15	
PLS	LOCAL				15	
Fiscal Year Total		115	125	135	150	0
			Total FY 01-04 Cost		525	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0564 CSX Trenton Line

MPMS# 48197 Park Junction to Delaware River

Clearance Improvement

AQ Code X Various Municipalities

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 doublestack 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 21 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.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	DEMO	2,536				
DES	PRIV	634				
CON	DEMO		2,464			
CON	HWY		5,000			
CON	PRIV		5,215			
Fiscal Year Total		3,170	12,679	0	0	0
			Total FY 01-04 Cost	15,849		

TIP# 0565 On-Road Bicycle Mobility Improvements

MPMS# 48205

AQ Code X Various Municipalities

Types of improvements include bike route designation, widening to accommodate bike lanes, shoulder striping, shoulder or climbing lane construction, and ancillary improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	CMAQ	608				
ERC	LOCAL	152				
ERC	CMAQ		1,600			
ERC	LOCAL		400			
ERC	CMAQ			1,600		
ERC	LOCAL			400		
Fiscal Year Total		760	2,000	2,000	0	0
			Total FY 01-04 Cost	4,760		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0566 *Regional Park and Ride Program*

MPMS# 17884 Projects to be determined

AQ Code X

This line item will enable the region to construct new or expanded park and ride lots at rail transit stations and along major bus routes for transit users and/or adjacent to arterial highways for car and van pool users. Specific locations will be identified by the counties and SEPTA in cooperation with DVRPC.

This project also provides funding for the operating costs of the Cornwells Heights Station Park and Ride Shuttle Bus for three years.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
ERC	CMAQ			800		
ERC	LOCAL			200		
ERC	CMAQ				800	
ERC	LOCAL				200	
Fiscal Year Total		0	0	1,000	1,000	0
		Total FY 01-04 Cost		2,000		

TIP# 0568 *Regional ITS Initiative*

MPMS# 48198 Projects to be determined

AQ Code X

The DVRPC region is currently developing a regional architecture for the deployment of Intelligent Transportation System (ITS) elements. These elements include traveler information systems, automated traffic signal systems, signal preemption for transit, enhanced 911 systems, transportation control centers, and other applications of electronic technologies to transportation. As these elements mature and reach the implementation stage, this line item will provide the capital funding for their advancement.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
ERC	CMAQ			4,560		
ERC	STATE			1,140		
ERC	CMAQ				6,000	
ERC	STATE				1,500	
Fiscal Year Total		0	0	5,700	7,500	0
		Total FY 01-04 Cost		13,200		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0569 Transportation Management Associations

MPMS# 48199

AQ Code X

The Pennsylvania portion of the region has formed a number of Transportation Management Associations (TMA) that help the region address demand for the region's transportation system. By assisting with the formation of car and van pools, working with employers to initiate ridesharing programs for their employees, seeking corporate sponsorship of subscription bus services, etc., the TMAs help to lower the need for new highway capacity. The TMAs had been funded by PennDOT in the past. PennDOT has now requested that the region fund these programs using CMAQ funding.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PLS	CMAQ	500				
PLS	LOCAL	125				
PLS	CMAQ		500			
PLS	LOCAL		125			
PLS	CMAQ			500		
PLS	LOCAL			125		
PLS	CMAQ				500	
PLS	LOCAL				125	
Fiscal Year Total		625	625	625	625	0
Total FY 01-04 Cost					2,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0571 DVRPC Competitive CMAQ Program - 2

MPMS# 48201 TEA-21 Round 2

AQ Code X

The Congestion Mitigation and Air Quality Improvement Program (CMAQ) was established by ISTEA and is continued under TEA-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.

Candidate projects will be submitted to DVRPC and reviewed by a CMAQ oversight committee for initial eligibility and general merits. Projects that survive this screening process will then be subjected to an air quality emissions analysis. All projects must show a reduction in emissions using PennDOT standardized tests to remain eligible.

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, candidate projects will be ranked and then selected by the DVRPC Board for inclusion in the TIP.

Round 2 of the CMAQ program reserves \$25 million of federal CMAQ funds for the TIP period, to be matched by at least \$6.25 million from Local funds. (Programming for Round 1 is shown in TIP #O10).

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
ERC	CMAQ	80				
ERC	LOCAL	20				
ERC	CMAQ		1,000			
ERC	LOCAL		250			
ERC	CMAQ			4,000		
ERC	LOCAL			1,000		
ERC	CMAQ				20,000	
ERC	LOCAL				5,000	
Fiscal Year Total		100	1,250	5,000	25,000	0
			Total FY 01-04 Cost		31,350	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0572 *Regional GIS Support*
MPMS# 48202 Pennsylvania Subregion

AQ Code X

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.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PLS	LOCAL	125				
PLS	STU	500				
PLS	LOCAL		125			
PLS	STU		500			
Fiscal Year Total		625	625	0	0	0
		Total FY 01-04 Cost				1,250

TIP# 0577 *Program Management for Non-Traditional*
MPMS# 49328 Project Implementation

AQ Code X

This project will provide for an expansion of DVRPC staff to assist PennDOT in the implementation of non-traditional transportation projects. The assistance will generally involve facilitation and coordination among the projects' applicant, PennDOT district staff, PennDOT central staff, and FHWA. Staff will consist of a section manager and two to four project managers.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PRD	STATE	25				
PRD	TE	100				
PRD	STATE		25			
PRD	TE		100			
PRD	STATE			38		
PRD	TE			150		
PRD	STATE				38	
PRD	TE				150	
Fiscal Year Total		125	125	188	188	0
		Total FY 01-04 Cost				626

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0581 ITS: Schuylkill Expressway Corridor

MPMS# 57327 Incident/Traffic Management Plan

Phase II

AQ Code X

The purpose of this project is to identify ways to manage traffic on parallel arterials when affected by the incidents within the whole Schuylkill Expressway corridor. A unified traffic management/signal coordination plan will be created to handle both routine traffic flows and traffic displaced from the Schuylkill Expressway when an incident shuts it down. Phase I of the project will result in an inventory of existing route markers, directional signs, and other navigational aids that may impact traffic diversions. A recommendation on new signing will be advanced. Phase II will include the development of the unified traffic management plan, including roles, responsibilities, equipment needs, and cost.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PLS	CMAQ	28				
PLS	STATE	7				
Fiscal Year Total		35	0	0	0	0
		Total FY 01-04 Cost			35	

TIP# 0582 "Share the Road" Campaign

MPMS# 61720

AQ Code X

Design and execution of a regionwide public information campaign targeting bicyclists and motorists.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	LOCAL	75				
DES	TE	300				
Fiscal Year Total		375	0	0	0	0
		Total FY 01-04 Cost			375	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0583 *Purchase of Emissions Reduction*

MPMS# 58667 Devices on 400 Buses (Q02)

AQ Code X

Purchase and installation of emissions filters on 400 of SEPTA's newest 40-foot buses, which will operate throughout the five-county area. These filters reduce the components of diesel engine exhaust to levels that compete equally with the exhaust of a natural gas engine.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PUR	CMAQ	1,485			
PUR	LOCAL	62			
PUR	TBOND	309			

Fiscal Year Total	1,856	0	0	0	0
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Total FY 01-04 Cost 1,856

TIP# 0584 *Marketing of Regional Rail Service*

MPMS# 59019 at Stations with Parking Capacity (Q03)

AQ Code X

Dissemination of information to potential riders in the surrounding area of rail stations with available parking capacity. Marketing methods will include direct mail, local advertizing, and a customer accessible database of parking availability.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PLS	CMAQ	224			
PLS	LOCAL	56			

Fiscal Year Total	280	0	0	0	0
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Total FY 01-04 Cost 280

TIP# 0585 *Bicycle Racks on Buses Project (Q04)*

MPMS# 59020

AQ Code X

Purchase and installation of front mounted, fold-down bike racks on 43 thirty-foot buses on 14 suburban bus routes. Each rack will be capable of carrying two bicycles.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
CON	CMAQ	24			
CON	LOCAL	1			
CON	TBOND	5			

Fiscal Year Total	30	0	0	0	0
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Total FY 01-04 Cost 30

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0586 *Bicycle Lockers and Racks*
MPMS# 59293 at Rail Stations Project (Q06)

AQ Code X

Design and installation of inverted U shaped bicycle racks and fully enclosed lockers at ten additional SEPTA rail stations. Lockers will be installed in groups of six per station and will be available for a modest rental, and at least four racks will be installed at each station.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	CMAQ	85				
CON	LOCAL	4				
CON	TBOND	18				
DES	CMAQ	11				
DES	LOCAL	1				
DES	TBOND	2				
Fiscal Year Total		121	0	0	0	0
		Total FY 01-04 Cost				121

TIP# 0588 *Regional Bicycle Mobility Map*
MPMS# 60678

AQ Code X

Production of a bicycle map covering the suburban PA counties, as a companion to the Philadelphia bicycle map, which will include on and off-road facilities (bike lanes and bike trails), transit stops, and major trip generators.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PLS	CMAQ	109				
PLS	LOCAL	27				
Fiscal Year Total		136	0	0	0	0
		Total FY 01-04 Cost				136

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0589 *Greater Philadelphia Clean Cities*
MPMS# 60686 Clean Fueled Fleets Rebate Program (Q25)

AQ Code X

Expand the market for alternative fueled vehicles (AFV) by offering rebates of up to \$4000 per light duty AFV, up to \$7000 per medium duty AFV, and up to \$10,000 per heavy duty AFV. Focus will be on fleets in which AFVs are likely to be successful such as shuttle fleets, taxis, airport related fleets, and local delivery fleets.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
PLS	CMAQ	387			
PLS	LOCAL	153			

Fiscal Year Total	540	0	0	0	0
Total FY 01-04 Cost		540			

TIP# 0590 *City Avenue-Manayunk Circulator*
MPMS# 60693

AQ Code 2002O Lower Merion Twp., Philadelphia

A shuttle bus that will operate along the City Avenue corridor from 63rd St. to the base of I-76, and across the Schuylkill River into Manayunk. Proposed schedule is seven days a week with extended evening hours on Friday and Saturday nights, with a service frequency of every 20 minutes.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
OP	CMAQ	427			
OP	LOCAL	107			
PE	CMAQ	4			
PE	LOCAL	1			

Fiscal Year Total	539	0	0	0	0
Total FY 01-04 Cost		539			

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0591 *Easton Road Closed Loop*
MPMS# 61061 Traffic Signal System (Q66)

AQ Code 2005O Warrington Twp., Horsham Twp.

Interconnection of thirteen traffic signals along and near Easton Rd. (PA 611.)

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
DES	LOCAL	17			
PE	LOCAL	41			
CON	CMAQ			372	
ROW	LOCAL			18	
Fiscal Year Total		58	0	390	0
Total FY 01-04 Cost					448

TIP# 0592 *Regional Safety Initiatives*
MPMS# 57927 Various locations regionwide

AQ Code X

PennDOT will undertake various hazard elimination treatments at locations across the five county region.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004
ERC	HWY	800			
ERC	STATE	200			
ERC	HWY		800		
ERC	STATE		200		
ERC	HWY			800	
ERC	STATE			200	
ERC	HWY				800
ERC	STATE				200
Fiscal Year Total		1,000	1,000	1,000	1,000
Total FY 01-04 Cost					4,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

Various

TIP# 0593 Preventive Maintenance

MPMS# 57622 Regionwide

AQ Code X Various

Typical components of a preventive maintenance (PM) project include work to extend the life of the existing pavement and/or structure through roadway resurfacing or bridge painting.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
ERC	ST-SP	5,000				
ERC	ST-SP		5,000			
Fiscal Year Total		5,000	5,000	0	0	0
Total FY 01-04 Cost					10,000	

TIP# 0594 ITS Institutional Coordination (PRIMIS)

MPMS# 51325 Regionwide

AQ Code X

This three-phase project implements a Philadelphia Regional Integrated Multi-modal Information Sharing (PRIMIS) concept to provide a framework for institutional coordination of ITS in the Delaware Valley. This framework provides the region's ITS stakeholders opportunities to share and disseminate information on travel conditions and coordinate the regional deployment of ITS systems in the region.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PLS	CMAQ	240				
PLS	STATE	60				
PLS	CMAQ		240			
PLS	STATE		60			
PLS	CMAQ			480		
PLS	STATE			120		
PLS	CMAQ				480	
PLS	STATE				120	
Fiscal Year Total		300	300	600	600	0
Total FY 01-04 Cost					1,800	

Total for Various 58,017 58,796 20,455 39,880 0

Total FY 01-04 Cost 177,148

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Highway Program

	2001	2002	2003	2004	Later FYs
Grand Total	499,492	441,870	425,612	389,198	2,294,078
		Total FY 01-04 Cost		1,756,172	

FY 2001-2004
Transportation Improvement Program
Pennsylvania Subregion

Transit Program

Approved by DVRPC Board on July 27, 2000



Delaware Valley Regional Planning Commission

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

PennDOT

TIP# PA01 HARRISBURG RAIL LINE IMPROVEMENTS

MPMS# 0

AQ Code X

This project includes the rebuilding and rehabilitation of electric locomotives and coaches and infrastructure improvements along the line from Harrisburg to Philadelphia.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CON	FTA-F	13,685				
CON	T-STA	3,421				
CON	FTA-F		13,685			
CON	T-STA		3,421			
CON	FTA-F			13,685		
CON	T-STA			3,421		
CON	FTA-F				13,685	
CON	T-STA				3,421	
Fiscal Year Total		17,106	17,106	17,106	17,106	0
			Total FY 01-04 Cost		68,424	
Total for PennDOT		17,106	17,106	17,106	17,106	0
			Total FY 01-04 Cost		68,424	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

Pottstown

TIP# PT010

OPERATING ASSISTANCE

MPMS# 0

POTTSTOWN URBAN TRANSIT

AQ Code X

Pottstown Boro.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
OP	FTA-F	570				
OP	LOCAL	194				
OP	T-STA	376				
OP	FTA-F		610			
OP	LOCAL		207			
OP	T-STA		403			
OP	FTA-F			610		
OP	LOCAL			207		
OP	T-STA			403		
OP	FTA-F				610	
OP	LOCAL				207	
OP	T-STA				403	
Fiscal Year Total		1,140	1,220	1,220	1,220	0
			Total FY 01-04 Cost		4,800	
Total for Pottstown		1,140	1,220	1,220	1,220	0
			Total FY 01-04 Cost		4,800	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S006 WAYNE JUNCTION TO GLENSIDE

MPMS# 0 TRACK AND SIGNAL IMPROVEMENTS

AQ Code X

This project provides for the upgrade of 7.5 miles of track and signals on SEPTA's commuter rail Main Line between Wayne Junction in the Germantown section of Philadelphia and Glenside in Montgomery County. Project elements include the construction of new motor alternator substations for the generation of signal power; the upgrade of the signal system between Wayne Junction and Glenside; the rehabilitation and reconfiguration of four major interlockings (Newtown Junction, Tabor, Jenkintown, and Carmel); tie renewal; drainage improvements; and other civil work between all interlockings.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
CAP	FTA-F	9,600				
CAP	LOCAL	400				
CAP	TBOND	2,000				
CAP	FTA-F		8,000			
CAP	LOCAL		333			
CAP	TBOND		1,667			
CAP	FTA-F			8,113		
CAP	LOCAL			338		
CAP	TBOND			1,691		
Fiscal Year Total		12,000	10,000	10,142	0	0
			Total FY 01-04 Cost		32,142	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S007 Market-Frankford Infrastructure Imp.

MPMS# 0 69th Street Shop

AQ Code X

This project provides for the demolition and replacement of the Market-Frankford 69th Street Car Maintenance Shop and improvements to the adjacent railcar storage yard. The new facility will provide for efficient maintenance of the new M4 car fleet. Improvements include: 1) construction of new yard tracks to better maintain, service, repair and inspect the subway cars; 2) structure modifications to accommodate the maintenance of the heating and air conditioning systems of the new cars; 3) construction of new welding, steam cleaning, truck repair and centralized storage back shops; 4) construction of new offices, lockers, classrooms and lunchroom facilities; 5) electrical improvements in the shop; 6) construction of a new stinger system to provide traction and vehicle power for the M4 cars while in the shop; 7) total renewal of the railcar storage yard; and 8) a new exterior carwash unit.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	2,400				
CAP	LOCAL	100				
CAP	TBOND	500				
CAP	FTA-F		2,400			
CAP	LOCAL		100			
CAP	TBOND		500			
CAP	FTA-F			4,617		
CAP	LOCAL			192		
CAP	TBOND			962		
Fiscal Year Total		3,000	3,000	5,771	0	0
Total FY 01-04 Cost					11,771	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S008 CAPITAL ASSET LEASE PROGRAM

MPMS# 0

AQ Code X

The Capital Asset Lease Program provides for lease payments attributable to the acquisition, through financial leasing arrangements, of the following capital assets: utility vehicles, Philadelphia fixed rent, tire leases, computer and copier leases, 30-foot buses, the Trent tower, and lease payments made to Amtrak by SEPTA for corridor access and operation on Amtrak's Northeast Corridor (Trenton, NJ to Wilmington, DE) and Harrisburg Line (Downingtown, PA to Center City, Philadelphia, PA). The lease payments to Amtrak represent SEPTA's allocated portion of Amtrak's cost to maintain and upgrade the right-of-way including protection of assets, maintenance and general administrative overhead.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAL	ACT26	36,736				
CAL	FTA-F	4,456				
CAL	LOCAL	1,265				
CAL	ACT26		36,751			
CAL	FTA-F		2,010			
CAL	LOCAL		1,266			
CAL	ACT26			37,181		
CAL	FTA-F			1,200		
CAL	LOCAL			1,281		
CAL	ACT26				37,840	
CAL	FTA-F				1,200	
CAL	LOCAL				1,303	
Fiscal Year Total		42,457	40,027	39,662	40,343	0
			Total FY 01-04 Cost		162,489	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S011 **UTILITY FLEET RENEWAL PROGRAM**

MPMS# 0 REPLACEMENT OF NON-REVENUE VEHICLES

TO SUPPORT TRANSIT & RR OPERATION

AQ Code X

The Utility Fleet Renewal program is a comprehensive effort to upgrade and replace the utility fleet and automotive fleet. In order to have adequate and reliable utility vehicles, SEPTA has developed a program to periodically renew this fleet on a vehicle by vehicle basis, contingent on the vehicle's age, condition, and usage. The utility fleet is comprised of the following types of vehicles: (1) utility vehicles for transit supervisors, SEPTA police officers, paratransit support, and operations support services, (2) utility vehicles for the fixed plant maintenance of buildings, overhead power systems, catenary, communications systems, signal systems, track, and roadway, (3) transport vehicles used in garages, shops, and operations support, and (4) service vehicles used for the maintenance of vehicles.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	2,400				
CAP	LOCAL	100				
CAP	TBOND	500				
CAP	FTA-F		2,400			
CAP	LOCAL		100			
CAP	TBOND		500			
CAP	FTA-F			2,400		
CAP	LOCAL			100		
CAP	TBOND			500		
CAP	FTA-F				2,400	
CAP	LOCAL				100	
CAP	TBOND				500	
CAP	FTA-F					19,200
CAP	LOCAL					799
CAP	TBOND					4,001
Fiscal Year Total		3,000	3,000	3,000	3,000	24,000
		Total FY 01-04 Cost				12,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S012 STATE OF GOOD REPAIR INITIATIVES

MPMS# 0

AQ Code X

This project provides for the rehabilitation and modernization of selected transit and railroad facilities including bridges; shops, maintenance/storage yards, and associated maintenance and support facilities; electric traction and power systems and associated components; signal systems and selected communications equipment; station buildings and associated facilities; track; and switches.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	ACT26	7,981				
CAP	ACT3	5,607				
CAP	FTA-F	4,755				
CAP	LOCAL	666				
CAP	TBOND	991				
CAP	ACT26		7,981			
CAP	ACT3		5,607			
CAP	FTA-F		4,755			
CAP	LOCAL		666			
CAP	TBOND		991			
CAP	ACT26			7,981		
CAP	ACT3			5,607		
CAP	FTA-F			4,755		
CAP	LOCAL			666		
CAP	TBOND			991		
CAP	ACT26				7,981	
CAP	ACT3				5,607	
CAP	FTA-F				4,755	
CAP	LOCAL				666	
CAP	TBOND				991	
CAP	ACT26					77,336
CAP	ACT3					77,336
CAP	LOCAL					5,328
Fiscal Year Total		20,000	20,000	20,000	20,000	160,000
		Total FY 01-04 Cost				80,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S014 STATION ACCESSIBILITY PROGRAM

MPMS# 0 MODIFICATIONS FOR ADA COMPLIANCE

AQ Code X

This project will provide for modifications to improve system access at selected railroad and rail transit stations. In accordance with federal regulations, SEPTA has implemented a key station plan whereby accessible facilities are provided at SEPTA's 42 key rail stations. Regional Rail Stations: R1 (Terminals A/B, C/D, E, University City); R2 (Warminster, Roslyn, Chester Transportation Center, Wilmington); R3 (Media, Morton, Neshaminy Falls, Bethayres, Forest Hills); R5 (Exton, Radnor, Ambler, Pennbrook, Lansdale, Doylestown); R6 (Elm Street, Spring Mill, Ivy Ridge, Bala); R7 (Trenton); R8 (Chestnut Hill West, Queen Lane, Fox Chase); and Temple University and Market East on the Regional Rail Division Main Line. High Speed Stations: 69th Street Terminal, 30th Street, 13th Street, 8th Street, Bridge-Pratt Terminal on the Market-Frankford Line, Cecil B. Moore, Olney, Pattison, and Walnut-Locust on the Broad Street Subway Line. Route 100-NHSL: 69th Street Terminal and Norristown Transportation Center. Funds will support improvements to the following key stations: Market-Frankford stations at 30th, 13th, and 8th Streets. 13th St. will include improvements at Juniper St. station.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	4,000				
CAP	LOCAL	167				
CAP	TBOND	834				
CAP	FTA-F		4,000			
CAP	LOCAL		167			
CAP	TBOND		834			
CAP	FTA-F			4,000		
CAP	LOCAL			167		
CAP	TBOND			834		
CAP	FTA-F				4,000	
CAP	LOCAL				167	
CAP	TBOND				834	
CAP	FTA-F					11,200
CAP	LOCAL					466
CAP	TBOND					2,334
Fiscal Year Total		5,001	5,001	5,001	5,001	14,000
		Total FY 01-04 Cost				20,004

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S017 DEBT SERVICE

MPMS# 0

AQ Code X

Act 26 funds will provide for debt service and the cost of issuance of bonds, notes and other indebtedness incurred by SEPTA:

(1) Payments on Limited Revenue Notes, Series 1994, which provided funds for the buyout of existing bus leases.

(2) Payments on Series 1995A and 1995B (Taxable) Bonds, which provided funds for the purchase and renovation of SEPTA's new headquarters at 1234 Market Street and various capital improvement projects.

(3) Payments on Special Revenue Bonds, Series 1997, which provided funds for the buyout of Bombardier Rail Cars, General Motor Locomotives and Frazer Rail Car Maintenance Shop leases and various other capital improvements including the Market-Frankford Subway Elevated Car acquisition.

(4) Payments on special revenue bonds, series 1999, which provided funds for the acquisition of new Market-Frankford Subway-Elevated cars and various other capital improvements.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DS	ACT26	38,390				
DS	LOCAL	1,322				
DS	ACT26		38,365			
DS	LOCAL		1,322			
DS	ACT26			31,858		
DS	LOCAL			1,097		
DS	ACT26				28,719	
DS	LOCAL				989	
Fiscal Year Total		39,712	39,687	32,955	29,708	0
		Total FY 01-04 Cost				142,062

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S023 MARKET ST. ELEVATED RECONSTRUCTION PROG.

MPMS# 0 45TH ST. TO EAST OF 69TH ST.

REHAB. OF DETERIORATED STRUCTURES

AQ Code X West Phila., Upper Darby Twp.

The Market Street Elevated Reconstruction Program will provide for the complete reconstruction of the Market Street Elevated superstructure, sub-structure and foundations, and the rehabilitation of abutments and bearings. Passenger stations located at 46th, 52nd, 56th, 60th, 63rd Streets and Millbourne Station will be completely reconstructed and will comply with the requirements of the Americans with Disabilities Act.

This reconstruction effort will be undertaken through a single column bent approach. The single column bent approach offers substantial benefits to SEPTA and the community, including fewer columns which will reduce maintenance costs and improve the aesthetics of West Market Street; improved lighting at street level; and safer pedestrian crossing and bus boardings, as passengers will no longer be required to cross traffic to board buses. In addition, this construction effort will complement and assist in the City's Streetscape Plan which proposes to convert Market Street into a two lane road with bike lanes.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	42,100				
CAP	LOCAL	1,752				
CAP	TBOND	8,773				
CAP	FTA-F		28,280			
CAP	LOCAL		1,177			
CAP	TBOND		5,893			
CAP	FTA-F			29,914		
CAP	LOCAL			1,245		
CAP	TBOND			6,233		
CAP	FTA-F				44,064	
CAP	LOCAL				1,834	
CAP	TBOND				9,182	
CAP	FTA-F					66,917
CAP	LOCAL					2,785
CAP	TBOND					13,944
Fiscal Year Total		52,625	35,350	37,392	55,080	83,646
			Total FY 01-04 Cost		180,447	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S025 BUS PURCHASE PROGRAM

MPMS# 0

AQ Code X

This project provides for the purchase of 200 low floor buses. The new buses will replace 200 fourteen to fifteen year old 40-foot buses which are beyond their useful life of twelve years. All buses will fully comply with the Americans with Disabilities Act (ADA) requirements. Each bus will have a public address system that will enable the operator to clearly communicate with passengers inside and outside the vehicle. For the hearing and visually impaired, an audio/visual annunciating system will be installed, which will automatically announce upcoming bus stops and informational messages.

The Bus Purchase Program also provides for necessary spare components, tools and equipment required to properly service the buses.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PUR	FLEX	17,100				
PUR	FTA-F	6,900				
PUR	LOCAL	999				
PUR	TBOND	5,001				
PUR	FLEX		17,100			
PUR	FTA-F		6,900			
PUR	LOCAL		999			
PUR	TBOND		5,001			
PUR	FLEX			17,100		
PUR	FTA-F			10,900		
PUR	LOCAL			1,166		
PUR	TBOND			5,835		
PUR	FLEX				17,100	
PUR	FTA-F				10,900	
PUR	LOCAL				1,166	
PUR	TBOND				5,835	
PUR	FLEX					136,800
PUR	FTA-F					87,200
PUR	LOCAL					9,324
PUR	TBOND					46,676
Fiscal Year Total		30,000	30,000	35,001	35,001	280,000
			Total FY 01-04 Cost		130,002	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S028 BROAD STREET SUBWAY

MPMS# 0 SIGNAL SYSTEM

AQ Code X Philadelphia City

This project provides for improvements to the Broad Street Subway Line (BSS) signal system which dates back to 1928. The project will provide for a replacement in-kind of the existing wayside signal system including local wiring, trunk vital signal and power cables, and signal cases. It will also provide for operational and safety enhancements including 1) upgrading remaining electric-mechanical relay-based interlockings with micro-chip processor control technology; 2) allowing for remote control and real-time monitoring of operations from the control center; and 3) reconfiguring track signal circuit control lines for additional braking distance protection to enhance safety operations. The improvements included in this replacement in kind option will provide a safe, reliable signal system for the Broad Street Subway operation.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	8,000				
CAP	LOCAL	333				
CAP	TBOND	1,667				
CAP	FTA-F		12,800			
CAP	LOCAL		533			
CAP	TBOND		2,667			
CAP	FTA-F			12,800		
CAP	LOCAL			533		
CAP	TBOND			2,667		
CAP	FTA-F				10,735	
CAP	LOCAL				447	
CAP	TBOND				2,237	
Fiscal Year Total		10,000	16,000	16,000	13,419	0
			Total FY 01-04 Cost		55,419	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S030 NORTH PHILADELPHIA TRANSPORTATION CENTER

MPMS# 0

AQ Code X

North Phila.

This project will provide for improvements in the vicinity of Broad Street and Lehigh Avenue in North Philadelphia. The North Philadelphia area is currently served by several SEPTA Regional Rail lines, including Routes R5 Lansdale/Doylestown Line, R6 Norristown Line, R7 Trenton Line and R8 Chestnut Hill West Line; the Broad Street Subway; and City Transit Bus Routes C and 54. SEPTA and AMTRAK's North Philadelphia Railroad Stations are located approximately two blocks north of the Broad Street and Lehigh Avenue intersection and offer SEPTA connections to Chestnut Hill and Trenton and AMTRAK connections to points north and south on the Northeast Corridor. Transit improvements to the area will include the upgrade of the existing facilities and better linkage between all transportation modes.

Major project components include: (1) renovation of the North Philadelphia Broad Street Subway Station, (2) improvements at street level, (3) improvements to Broad and Lehigh mezzanine, (4) improvements to Broad and Glenwood mezzanine, and (5) improvements to the R8 North Philadelphia train station.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
CAP	FTA-F	1,200				
CAP	LOCAL	50				
CAP	TBOND	250				
Fiscal Year Total		1,500	0	0	0	0
Total FY 01-04 Cost					1,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S031 CROSS COUNTY METRO

MPMS# 0 GLENLOCH TO MORRISVILLE

INTER-SUBURBAN PASSENGER LINE

AQ Code X

The Cross County Metro will provide circumferential transit service from the vicinity of Morrisville, Bucks County to Glenloch, Chester County, traversing Montgomery County. This line is intended to fill a key missing link in the provision of public transportation service in southeastern Pennsylvania by providing for inter- and intra-suburban trips to shopping, industrial/office and residential concentrations. At the same time, the Cross County Metro will facilitate intermodal connections to SEPTA's existing, radial commuter rail and transit services; potential park and ride lots located along the Pennsylvania Turnpike and US Route 202; as well as feeder bus service between the proposed stations and nearby development concentrations. These connections and intermodal opportunities will enhance the regional mobility choices of Suburban and City residents. A Major Investment Study and Draft Environmental Impact Study was completed in June of 1998. A revision to the Major Investment Study and Draft Environmental Impact Study will be completed in mid-2000.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>
DES	FTA-N	10,000			
DES	LOCAL	416			
DES	TBOND	2,084			

Fiscal Year Total	12,500	0	0	0	0
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Total FY 01-04 Cost	12,500
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DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S032 FEDERAL PREVENTIVE MAINTENANCE

MPMS# 0 SYSTEMWIDE

AQ Code X

This project provides for federal operating assistance and preventive maintenance expenses pertaining to activities performed on vehicles and facilities.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
OP	FTA-F	27,500				
OP	LOCAL	1,145				
OP	SEPTA	5,730				
OP	FTA-F		27,500			
OP	LOCAL		1,145			
OP	SEPTA		5,730			
OP	FTA-F			27,500		
OP	LOCAL			1,145		
OP	SEPTA			5,730		
OP	FTA-F				27,500	
OP	LOCAL				1,145	
OP	SEPTA				5,730	
OP	FTA-F					176,000
OP	LOCAL					7,333
OP	SEPTA					36,667
Fiscal Year Total		34,375	34,375	34,375	34,375	220,000
			Total FY 01-04 Cost		137,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S033 FRANKFORD TRANSPORTATION CENTER

MPMS# 0 AT BRIDGE-PRATT TERMINAL

RECONSTRUCTION

AQ Code 2015/200 Northeast Phila.

This project provides for the construction of a new transportation center at the Bridge-Pratt Terminal and the realignment and reconstruction of the elevated structure between Dyre Avenue and Bridge Street. The construction of the Frankford Transportation Center will consolidate the Market Frankford Line and surface route operations and commuter parking into one concentrated area. Pedestrian and vehicle traffic, and transit movements will be integrated to minimize movement conflicts and facilitate passenger access and transfer activities. Major construction elements of this project include: 1) a new terminal building complex, the rehabilitation of the historically significant Bridge-Pratt Terminal, and the reconfiguration of the bus berths and access lanes; 2) modification and reconfiguration of the Frankford Bus Depot; 3) construction of the Pratt Street building, which will house the train control room for the Market-Frankford Automated Train Control Project; 4) construction of a new elevated guideway structure from Dyre Street to the Bridge Street Train Yard; 5) installation of track, signals, traction power and communications system; 6) reconfiguration of the Trackless Trolley Storage Yard; and 7) construction of a parking garage and a pedestrian bridge over Bridge Street.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	DEMO	7,500				
CAP	FTA-F	6,900				
CAP	LOCAL	599				
CAP	TBOND	3,001				
CAP	FTA-F		12,000			
CAP	LOCAL		500			
CAP	TBOND		2,501			
CAP	FTA-F			22,000		
CAP	LOCAL			916		
CAP	TBOND			4,584		
CAP	FTA-F				12,000	
CAP	LOCAL				500	
CAP	TBOND				2,501	
CAP	FTA-F					7,528
CAP	LOCAL					313
CAP	TBOND					1,569
Fiscal Year Total		18,000	15,001	27,500	15,001	9,410
			Total FY 01-04 Cost		75,502	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S052 CITY HALL STATION
MPMS# 0 ON BROAD STREET SUBWAY LINE
REHABILITATION
AQ Code X Philadelphia City

This project will provide for the engineering and rehabilitation of City Hall Station on the Broad Street Subway Line. Preliminary and final engineering for this project will undertake the following tasks: 1) analyze pedestrian flow during peak and off peak hours and develop strategies to streamline passenger traffic, 2) develop design scenarios to introduce light and fresh air into station areas and walkways, 3) design improvements for the passageways leading from the station's mezzanine level to the Market-Frankford Line, 4) determine repairs required to rehabilitate the station's structural components, and 5) convert the station into a modern, attractive, well illuminated, and fully accessible facility. The design of station improvements and repairs will be performed in coordination with the City of Philadelphia's "Master Plan for City Hall" and pre-design and structural studies performed by SEPTA.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	3,200				
CAP	LOCAL	133				
CAP	TBOND	667				
CAP	FTA-F		2,400			
CAP	LOCAL		100			
CAP	TBOND		500			
CAP	FTA-F			2,400		
CAP	LOCAL			100		
CAP	TBOND			500		
Fiscal Year Total		4,000	3,000	3,000	0	0
Total FY 01-04 Cost					10,000	

TIP# S053 RAIL ROLLING STOCK - ROUTE 15
MPMS# 0 LIGHT RAIL VEHICLES

AQ Code X

This program provides for the acquisition of new articulated light rail vehicles or rehabilitation of PCC vehicles for use on the Route 15 Light Rail Line. This line runs 8.2 miles from Westmoreland and Richmond Streets in North Philadelphia to 63rd Street and Girard Avenue in West Philadelphia. The Route 15 line is undergoing a reconstruction effort for conversion from temporary bus service back to a light rail service. The vehicles which will operate on this line will be compliant with the Americans with Disabilities Act.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PUR	ACT26	14,501				
PUR	LOCAL	500				
PUR	ACT26		14,501			
PUR	LOCAL		500			
Fiscal Year Total		15,001	15,001	0	0	0
Total FY 01-04 Cost					30,002	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S054 30TH ST. TO SUBURBAN STATION
MPMS# 0 CATENARY AND BRIDGE REPAIR

AQ Code X

This project provides for the rehabilitation of the section of SEPTA's Regional Rail Mainline between 30th Street Station and Suburban Station at 16th and John F. Kennedy Blvd. This one mile long segment of infrastructure is located in the Center City zone of Philadelphia. Originally constructed in 1929 by the Pennsylvania Railroad, this portion of the commuter rail system supports all of SEPTA's commuter rail routes. Every weekday, more than 500 trains traverse this segment of infrastructure.

The scope of work consists of the rehabilitation of seven bridges: (1) over 21st St., (2) over 22nd St., (3) over 22nd and 23rd Sts., (4) over 23rd St., (5) between 23rd St. and the CSX Railroad right-of-way, (6) over CSX right-of-way, and (7) over the Schuylkill River.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F		8,000			
CAP	LOCAL		333			
CAP	TBOND		1,667			
CAP	FTA-F			8,800		
CAP	LOCAL			366		
CAP	TBOND			1,834		
CAP	FTA-F				6,769	
CAP	LOCAL				282	
CAP	TBOND				1,410	
Fiscal Year Total		0	10,000	11,000	8,461	0
Total FY 01-04 Cost					29,461	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S055 MARKET-FRANKFORD AUTOMATIC TRAIN CONTROL

MPMS# 0 PURCHASE AND INSTALLATION OF NEW
AUTOMATIC TRAIN CONTROL SIGNAL SYSTEM
AQ Code X Philadelphia City, Upper Darby Twp.

This project provides for the construction of an automatic train control (ATC) signal system for the Market-Frankford Subway-Elevated (MFSE) Line to replace the existing system which is obsolete. The ATC system will be state-of-the-art and enable central control of all interlockings, track switches, and train movements. The system will also provide train overspeed protection with automatic braking, as well as bi-directional train movements with full signaling. The ATC system will enable service on this line to be more reliable and flexible and to be operated with enhanced safety features.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	13,600				
CAP	LOCAL	566				
CAP	TBOND	2,834				
CAP	FTA-F		20,000			
CAP	LOCAL		833			
CAP	TBOND		4,168			
CAP	FTA-F			8,079		
CAP	LOCAL			336		
CAP	TBOND			1,683		
Fiscal Year Total		17,000	25,001	10,098	0	0
			Total FY 01-04 Cost		52,099	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S060 RAIL STATIONS AND PARKING PROGRAM

MPMS# 0

AQ Code X

This project provides for the rehabilitation of rail stations including parking, signage, lighting, station facilities and parking expansion. In total, there are 280 stations and 233 parking facilities which are maintained by SEPTA. While capital improvements to stations and parking facilities have been made in the past, this program will establish an annual plan to bring stations and parking facilities into a state of good repair. As part of this plan, SEPTA will aggressively pursue opportunities to expand parking availability in the five-county service area. Currently, there are 50 regional rail stations where parking facilities are 95 to 100 percent filled on a daily basis. Prior funding for parking expansion projects will resolve some of these parking limitations, but many more locations need to be addressed. By providing additional parking, SEPTA will be better able to attract new rail commuters, thus increasing the Authority's operating revenue and further assisting in the mitigation of traffic congestion and air pollution for the region.

Phase	Fund	TIP Program Years (\$ 000)				Later FYs
		FY 2001	FY 2002	FY 2003	FY 2004	
CAP	ACT3	2,997				
CAP	LOCAL	103				
CAP	ACT3		2,997			
CAP	LOCAL		103			
CAP	ACT3			2,997		
CAP	LOCAL			103		
CAP	ACT3				2,997	
CAP	LOCAL				103	
CAP	ACT3					60,902
CAP	LOCAL					2,098
Fiscal Year Total		3,100	3,100	3,100	3,100	63,000
Total FY 01-04 Cost					12,400	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S062 SUBURBAN STATION TRANSIT IMPROVEMENTS

MPMS# 0 CENTER CITY PHILADELPHIA

AQ Code X CONCOURSE & PLATFORM IMPROVEMENTS

Central Phila.

This project provides for transit improvements to Suburban Station concourses and platforms, including, but not limited to, asbestos removal; flooring; lighting and finishes; necessary mechanical, electrical, and structural work; and life safety improvements. This project also includes improvements to the station for accessibility and heating and air conditioning upgrades; and passenger amenities such as directional signage, a train information display system, improved rest rooms, and ticket vending machines.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	2,000				
CAP	LOCAL	83				
CAP	TBOND	417				
CAP	FTA-F		4,000			
CAP	LOCAL		167			
CAP	TBOND		834			
CAP	FTA-F			7,431		
CAP	LOCAL			309		
CAP	TBOND			1,548		
CAP	FTA-F				2,000	
CAP	LOCAL				83	
CAP	TBOND				417	
Fiscal Year Total		2,500	5,001	9,288	2,500	0
			Total FY 01-04 Cost		19,289	

TIP# S067 Subway Surface Signal System Imp.

MPMS# 0

AQ Code X

This project provides for improvements to the signal system of SEPTA's Subway/Surface Lines.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	ACT3	3,189				
CAP	LOCAL	110				
Fiscal Year Total		3,299	0	0	0	0
			Total FY 01-04 Cost		3,299	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S070 BROAD ST. SUBWAY STATION IMPROVEMENTS

MPMS# 0 WALNUT-LOCUST, GIRARD

AND SPRING GARDEN

AQ Code X Philadelphia City

This project will provide for the engineering and construction of improvements to three stations on the Broad Street Subway Line. The stations to be improved are: Girard, Spring Garden, and Walnut-Locust on the Broad Street Line. These stations were originally constructed between 1928 and 1932 and are showing signs of disrepair and deterioration due to their age and use.

Station elements to be improved by this project include lighting; wall, floor and ceiling finishes; passenger amenities; signage; passenger control and cashier facilities; platform tactile warning strips; audio-visual public address system; and the installation of elevators. Materials installed at these stations will be easy to maintain, have a long life expectancy, and possess vandal resistant qualities. These improvements will convert the three stations into modern, attractive, well-illuminated, functional and secure transit facilities.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	4,000				
CAP	LOCAL	167				
CAP	TBOND	834				
CAP	FTA-F		4,800			
CAP	LOCAL		200			
CAP	TBOND		1,000			
CAP	FTA-F			3,200		
CAP	LOCAL			133		
CAP	TBOND			667		
Fiscal Year Total		5,001	6,000	4,000	0	0
Total FY 01-04 Cost					15,001	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S071 EASTWICK TRANSPORTATION CENTER

MPMS# 0 IN VICINITY OF BARTRAM AVE. AND 84TH ST.

NEW R-1 STATION

AQ Code 2002M Philadelphia City

This project will provide for the engineering and construction of a new transportation center and parking facility on the Regional Rail R1-Airport Line. The new Eastwick rail station will serve as a transit hub for the Eastwick and Airport areas. Surface transit routes, which will service the station, include the Route 37, Route 68, Route 108, and Route 305. These routes will circulate through employment areas both east and west of the airport.

A Phase I station at Bartram Avenue and 84th Street opened in December, 1997. The opening of this station coincided with the opening of the PNC Bank Operations Center. Conceptual engineering is being conducted to determine how the station should be developed into a multi-modal transportation center. As part of this effort, a needs-assessment and conceptual design study began in November, 1999 to quantify ridership demand and to obtain information on present and future joint development in the Eastwick vicinity, travel patterns, employment and residential development. This effort will also evaluate the merits of extending the Route 36 trolley line to the transportation center.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
CAP	ACT3	1,933				
CAP	LOCAL	67				
CAP	ACT3		1,204			
CAP	LOCAL		41			
Fiscal Year Total		2,000	1,245	0	0	0
			Total FY 01-04 Cost	3,245		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S072 Strategic Business Plan/
MPMS# 0 System Improvements

AQ Code X

This project will provide for the development, design and implementation of system improvements within the five county area and other selected projects that have been designated in SEPTA's Five Year Plan for Strategic Change. In SEPTA's Five Year Plan, capital improvements to the infrastructure are required in order to carry out many of the business goals and objectives of the Authority. System improvements are defined as projects which expand or improve operations, or which add new system capabilities or service. Projects being implemented under this program include, but are not limited to: 1) Audio Visual PA System for the Subway/Light Rail System; 2) Closed Circuit TV and Integrated Passenger Waiting Zones; 3) Gulph Mills Station Passenger Amenities; 4) Police Radio Dispatch System; 5) DATA network Infrastructure Upgrade; 6) Purchase/Installation of Change and Token Vending Machines; 7) Route 10 Transit First Improvements; 8) Philadelphia Historic Trolley Engineering; 9) Upgrade of Fare Collection Machines to accommodate new \$5, \$10, and \$20 bills.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	ACT3	4,834				
CAP	LOCAL	167				
CAP	ACT3		4,834			
CAP	LOCAL		167			
CAP	ACT3			4,834		
CAP	LOCAL			167		
CAP	ACT3				4,834	
CAP	LOCAL				167	
Fiscal Year Total		5,001	5,001	5,001	5,001	0
		Total FY 01-04 Cost				20,004

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S073 GIRARD AVENUE LIGHT RAIL PROGRAM

MPMS# 0 RESTORATION OF LIGHT RAIL SERVICE ON

ROUTE 15

AQ Code 20020 Philadelphia City

This project will provide for the engineering and construction of improvements for the Girard Avenue Light Rail Line (Route 15). This rail line, which was temporarily converted to a bus operation in 1992, runs 8.2 miles from Westmoreland and Richmond Streets in North Philadelphia to 63rd Street and Girard Avenue in West Philadelphia.

Improvements that will be made to the infrastructure on Girard Avenue include: 1) renewal of track and overhead wire facilities, 2) renewal and upgrading of the power supply system to accommodate power requirements of light rail vehicles, and 3) implementation of selected "Transit First" Improvements. To improve service reliability and speed, Transit First improvements will include exclusive transitway where possible, and improved transit stops designed to speed customer boarding/alighting and deter cars from illegally parking in the right of way. In addition, this project will provide for the retrofitting and modernization of bays at SEPTA's Calowhill vehicle maintenance facility to accommodate the storage and maintenance of light rail vehicles.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	ACT3	11,600				
CAP	LOCAL	400				
CAP	ACT3		8,532			
CAP	LOCAL		294			
Fiscal Year Total		12,000	8,826	0	0	0
			Total FY 01-04 Cost	20,826		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S074 SCHUYLKILL VALLEY METRO

MPMS# 0

AQ Code 2015/20M

The proposed Schuylkill Valley Metro Line Corridor is approximately 62 miles long from the central business district of the City of Philadelphia through Montgomery and Chester Counties to the City of Reading and the Borough of Wyomissing in Berks County, Pennsylvania. A Major Investment Study and Draft Environmental Impact Statement was undertaken for this project. As a result of the study, the Board of Directors of SEPTA and BARTA have selected MetroRail as the Locally Preferred Alternative for the Schuylkill Valley Metro Project. MetroRail is an innovative approach that combines the speed, capacity and safety of commuter rail, with the operating efficiency, rider convenience and economy of light rail. MetroRail will use high level platforms at all stations, as well as subway-type quarter point doors, making boarding easier and faster for everyone. Because it will be accessible by wheelchair at every station, this transportation system will be available to persons with disabilities. The total estimated cost of the MetroRail project will be developed during the engineering phase.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
DES	FTA-N	30,000				
DES	LOCAL	1,249				
DES	TBOND	6,251				
Fiscal Year Total		37,500	0	0	0	0
			Total FY 01-04 Cost		37,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S077 ENVIRONMENTAL CLEAN UP
MPMS# 0 AND PROTECTION PROGRAM

AQ Code X

The Environmental Clean Up and Protection Program provides for the removal of PCBs and asbestos in shops, garages, buildings, and substations. SEPTA has advanced the following project elements through this program: PCB Transformer Retrofill Program, Transformer Room Modernization Program, Underground Storage Tank Removal/Modernization Program, and Paoli Shop and Yard Cleanup Program.

Additional elements will consist of environmental cleanup at locations within SEPTA's City Transit, Suburban Transit, and Regional Rail Divisions, as well as locations where SEPTA has been assigned a portion of the cleanup costs by government agencies.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	ACT3	2,417				
CAP	LOCAL	83				
CAP	ACT3		2,417			
CAP	LOCAL		83			
CAP	ACT3			2,417		
CAP	LOCAL			83		
CAP	ACT3				2,417	
CAP	LOCAL				83	
CAP	ACT3					19,334
CAP	LOCAL					666
Fiscal Year Total		2,500	2,500	2,500	2,500	20,000
Total FY 01-04 Cost					10,000	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S080 PAOLI TRANSPORTATION CENTER

MPMS# 0

AQ Code 20050

This project provides for the development, engineering, and construction of a new multi-modal transportation center in Paoli, Chester County. The new facility will be located on the R5 Paoli/Downingtown Regional Rail Line west of the existing station. This station serves SEPTA and Amtrak trains and is one of the most heavily patronized SEPTA train stop outside of Center City. The project includes the construction of bus facilities, new commuter parking facilities, reconfiguration of access roads and entrances to the station, construction of new pedestrian linkages throughout the station area, construction of a new intermodal station facility west of the current location including, but not limited to, waiting area, ticket offices, passenger amenities, and accessibility improvements.

The highway components of this project are programmed in the Chester County section under TIP #6910.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	DEMO	5,000				
CAP	LOCAL	208				
CAP	TBOND	1,042				
CAP	FTA-F			3,415		
CAP	LOCAL			142		
CAP	TBOND			712		
CAP	FTA-F				4,000	
CAP	LOCAL				167	
CAP	TBOND				834	
Fiscal Year Total		6,250	0	4,269	5,001	0
Total FY 01-04 Cost					15,520	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S081 SURFACE COMMUNICATIONS SYSTEM WITH
MPMS# 0 AUTOMATIC VEHICLE LOCATOR
PILOT PROGRAM
AQ Code X

This project provides for the design and implementation of a Computer Aided Radio Dispatch (CARD) System, the design and construction of two control dispatch centers, and the installation of mobile radio equipment in all buses, light rail, maintenance, and supervisory vehicles (approximately 1,800 vehicles plus 400 portables). In addition, the infrastructure, including base stations and microwave links, will be installed to support this new wireless communications system. The primary control dispatch center for the CARD System will be located on the 19th floor of SEPTA's headquarters building at 1234 Market Street. The secondary and backup control dispatch center will be located within SEPTA's Market East Station.

This project will also provide for a pilot Automatic Vehicle Locator System (AVL) on approximately 50-100 City Transit Division buses. The AVL system will utilize Global Positioning Satellite (GPS) technology to signal bus locations to the control center. This pilot project will evaluate the effectiveness of such a system on improving the on-time performance of buses and the reporting and rectification of service problems.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	4,000				
CAP	LOCAL	167				
CAP	TBOND	834				
CAP	FTA-F		3,360			
CAP	LOCAL		140			
CAP	TBOND		700			
Fiscal Year Total		5,001	4,200	0	0	0
		Total FY 01-04 Cost				9,201

TIP# S083 VEHICLE OVERHAUL PROGRAM
MPMS# 0

AQ Code X

This project provides for the major overhaul of SEPTA's rolling stock and for specialized vehicle overhauls conducted in addition to the general overhaul effort. The project will address critical items and vehicle equipment upgrades and modifications which are accomplished on a fleet wide basis.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	TBOND	42,000				
CAP	TBOND		42,000			
CAP	TBOND			42,000		
CAP	TBOND				42,000	
CAP	TBOND					336,000
Fiscal Year Total		42,000	42,000	42,000	42,000	336,000
		Total FY 01-04 Cost				168,000

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S084 INFRASTRUCTURE SAFETY RENEWAL PROGRAM

MPMS# 0

AQ Code X

This program provides for the renovation, rehabilitation, or replacement of infrastructure and associated components of SEPTA's transit and railroad system. Areas of focus are track and right-of-way, station facilities, signal systems, maintenance/support facilities, power systems, and bridges.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	LOCAL	2,620				
CAP	TBOND	23,580				
CAP	LOCAL		2,620			
CAP	TBOND		23,580			
CAP	LOCAL			2,620		
CAP	TBOND			23,580		
CAP	LOCAL				2,620	
CAP	TBOND				23,580	
CAP	LOCAL					20,960
CAP	TBOND					188,640
Fiscal Year Total		26,200	26,200	26,200	26,200	209,600
Total FY 01-04 Cost					104,800	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S085 PARATRANSIT VEHICLE PURCHASE

MPMS# 0

AQ Code X

This project provides for the acquisition of revenue vehicles for SEPTA's Paratransit and Shared Ride operations. The revenue vehicles will be owned by SEPTA and will be used by contracted carriers to service these operations in the City of Philadelphia.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PUR	FTA-F	2,160				
PUR	LOCAL	90				
PUR	TBOND	450				
PUR	FTA-F		2,400			
PUR	LOCAL		100			
PUR	TBOND		500			
PUR	FTA-F			4,000		
PUR	LOCAL			167		
PUR	TBOND			834		
PUR	FTA-F				4,000	
PUR	LOCAL				167	
PUR	TBOND				834	
PUR	FTA-F					19,200
PUR	LOCAL					799
PUR	TBOND					4,001
Fiscal Year Total		2,700	3,000	5,001	5,001	24,000
			Total FY 01-04 Cost		15,702	

TIP# S086 SMALL BUS ACQUISITION

MPMS# 0

AQ Code X

This project provides for the purchase of light or medium-duty, under 30-foot buses. These buses will be utilized by SEPTA for small bus circulator service and on selected fixed routes currently using 40-foot buses, which could be more economically served with small buses.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
PUR	ACT3		2,417			
PUR	LOCAL		83			
PUR	ACT3					4,834
PUR	LOCAL					167
Fiscal Year Total		0	2,500	0	0	5,001
			Total FY 01-04 Cost		2,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S087 FARE COLLECTION SYSTEM UPGRADE

MPMS# 0

AQ Code X

This project provides for the modernization and automation of SEPTA's fare collection process. SEPTA currently utilizes close to 60 different fare instruments and collection methods. Many of these instruments are beyond their useful lives making it difficult for SEPTA to completely control and account for its revenue stream. SEPTA will conduct a preliminary engineering analysis of the current fare collection system to develop a strategy for modernization and technological improvements to address problem areas and make recommendations for implementation. This project will also include the final engineering and construction phases of this modernization effort. New fare collection technology will attract riders to the system, reduce costs associated with revenue collection, increase revenue recovery, and facilitate more accurate gathering of ridership information.

TIP Program Years (\$ 000)						Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	ACT3	2,417				
CAP	LOCAL	83				
CAP	ACT3		9,667			
CAP	LOCAL		333			
CAP	ACT3			19,334		
CAP	LOCAL			666		
CAP	ACT3				19,334	
CAP	LOCAL				666	
CAP	ACT3					73,469
CAP	LOCAL					2,531
Fiscal Year Total		2,500	10,000	20,000	20,000	76,000
Total FY 01-04 Cost					52,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S088 SILVERLINER IV PROPULSION SYSTEM UPGRADE

MPMS# 0

AQ Code X

This project provides for the design, purchase, and installation of propulsion system upgrades for all of SEPTA's 231 twenty-four year old Silverliner IV regional rail cars in order to increase reliability, availability, and maintainability. Diagnostics to aid in trouble shooting and repair will also be part of this new system.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	DEMO	6,000				
CAP	LOCAL	250				
CAP	TBOND	1,250				
CAP	DEMO		3,000			
CAP	LOCAL		125			
CAP	TBOND		625			
CAP	FTA-F			2,600		
CAP	LOCAL			108		
CAP	TBOND			542		
CAP	FTA-F				2,600	
CAP	LOCAL				108	
CAP	TBOND				542	
CAP	FTA-F					3,774
CAP	LOCAL					157
CAP	TBOND					786
Fiscal Year Total		7,500	3,750	3,250	3,250	4,717
			Total FY 01-04 Cost		17,750	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S090 TRANSIT ENHANCEMENTS

MPMS# 0

AQ Code X

As a provision of TEA-21, one percent of Section 9 formula funds distributed to SEPTA must be spent on transit enhancements. Eligible activities include historic preservation, rehabilitation, and related activities; bus shelters; landscaping and other scenic beautification including street lights; public art; pedestrian access and walkways; bicycle access including storage facilities and installation of equipment for transporting bicycles on transit vehicles; transit connections to parks; signage; and enhanced access to transit for persons with disabilities.

FY01 funds will be used to renovate Wayne, Devon, and Allen Lane Stations and for the Girard Avenue Streetscape Project.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	LOCAL	34				
CAP	TBOND	169				
CAP	TTE	810				
CAP	LOCAL		36			
CAP	TBOND		179			
CAP	TTE		860			
CAP	LOCAL			38		
CAP	TBOND			189		
CAP	TTE			905		
CAP	LOCAL				40	
CAP	TBOND				198	
CAP	TTE				950	
CAP	LOCAL					320
CAP	TBOND					1,600
CAP	TTE					7,680
Fiscal Year Total		1,013	1,075	1,132	1,188	9,600
			Total FY 01-04 Cost		4,408	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S091 TRANS. SYSTEM FOR ELDERLY/DISABLED

MPMS# 0

AQ Code X

Develop and implement a regional transportation system focusing on providing comprehensive, coordinated, and user-friendly service for the region's elderly and disabled population.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-B	744				
CAP	LOCAL	31				
CAP	TBOND	155				
Fiscal Year Total		930	0	0	0	0
		Total FY 01-04 Cost			930	

TIP# S093 Job Access and Reverse Commute

MPMS# 0 Transportation Program

AQ Code 20050

This program is intended to support transportation services to connect welfare recipients and other transit dependents to jobs and related employment activities.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
OP	DPW	5,000				
OP	JARC	5,000				
OP	DPW		5,000			
OP	JARC		5,000			
OP	DPW			5,000		
OP	JARC			5,000		
OP	DPW				5,000	
OP	JARC				5,000	
Fiscal Year Total		10,000	10,000	10,000	10,000	0
		Total FY 01-04 Cost			40,000	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S094 *Elwyn to Wawa Rail Improvements*

MPMS# 0

AQ Code 2005M

This project will provide for the restoration of rail service approximately 3 miles between the existing R3 Media/Elwyn Regional Rail Line terminus at Elwyn, Delaware County, to a proposed terminus at Wawa, Delaware County. Service restoration will require new track between Lenni and Wawa, new signals, communications, structures, and construction of stations and parking facilities. Two stations are proposed: Wawa and Glen Riddle.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	ACT3	1,933				
CAP	LOCAL	67				
CAP	ACT3		1,933			
CAP	LOCAL		67			
CAP	ACT3			10,634		
CAP	LOCAL			366		
Fiscal Year Total		2,000	2,000	11,000	0	0
		Total FY 01-04 Cost				15,000

TIP# S095 *LRV Car Shop Improvements*

MPMS# 0 Route 10

AQ Code X West Philadelphia

This project provides for the renewal of the Callowhill Light Rail Vehicle Shop, which will be used to store vehicles for the Route 10 and 15 Light Rail Lines. This shop is located in West Philadelphia, between 58th and 59th Streets and Callowhill and Vine Streets. Improvements include track and overhead trolley wire renewal, roof replacement, installation of doors, lighting and other improvements in Bay 4; the demolition of fire damaged areas of Bay 1; and conversion of Bay 1 into a parking lot to accommodate the displacement of employee parking presently in Bay 4.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	ACT3	2,417				
CAP	LOCAL	83				
CAP	ACT3		2,513			
CAP	LOCAL		87			
Fiscal Year Total		2,500	2,600	0	0	0
		Total FY 01-04 Cost				5,100

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S096 Regional Rail Car Acquisition

MPMS# 0

AQ Code X

This project provides for the acquisition of new rail cars for SEPTA's Regional Rail service. These cars will replace existing Silverliner II and III rail cars, which are currently 33 to 37 years old. This project will also provide for the acquisition of additional cars, which will supplement the regional rail car fleet in order to meet ridership increases. The total number of vehicles will be determined in the planning and design process of the project. Vehicles acquired through this project will include current technology and proven components, along with passenger amenities, to ensure overall safety, security and passenger comfort. All vehicles will comply with Americans With Disabilities Act requirements.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	FTA-F	400				
CAP	LOCAL	17				
CAP	TBOND	83				
CAP	FTA-F		1,000			
CAP	LOCAL		42			
CAP	TBOND		208			
CAP	FTA-F				28,000	
CAP	LOCAL				1,166	
CAP	TBOND				5,835	
CAP	FTA-F					212,000
CAP	LOCAL					8,825
CAP	TBOND					44,175
Fiscal Year Total		500	1,250	0	35,001	265,000
			Total FY 01-04 Cost		36,751	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S097 Trackless Trolley Acquisition

MPMS# 0

AQ Code X

This project provides for the acquisition of approximately 55 to 60 trackless trolleys to replace SEPTA's existing trackless trolley fleet. This fleet is more than 20 years old. The trackless trolley fleet operates out of SEPTA's Frankford and Southern garages serving Routes 29, 59, 66, 75, and 79. Vehicles acquired through this project will incorporate current technology and proven components, along with passenger amenities, including a public address system and audio/visual annunciating system. All vehicles will fully comply with the Americans With Disabilities Act requirements.

Phase	Fund	TIP Program Years (\$ 000)				Later FYs
		FY 2001	FY 2002	FY 2003	FY 2004	
CAP	DEMO	2,500				
CAP	LOCAL	104				
CAP	TBOND	521				
CAP	FTA-F			6,000		
CAP	LOCAL			250		
CAP	TBOND			1,250		
CAP	FTA-F				12,000	
CAP	LOCAL				500	
CAP	TBOND				2,500	
CAP	FTA-F					15,500
CAP	LOCAL					645
CAP	TBOND					3,230
Fiscal Year Total		3,125	0	7,500	15,000	19,375
			Total FY 01-04 Cost		25,625	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S098 Escalator Replacement Program

MPMS# 0

AQ Code X

Philadelphia

This project provides for the engineering, design, and installation of replacement escalators at SEPTA's rail transit and regional rail stations. Currently, there are 44 escalators within the SEPTA system.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	ACT3	4,834				
CAP	LOCAL	166				
CAP	ACT3		4,834			
CAP	LOCAL		166			
CAP	ACT3			3,867		
CAP	LOCAL			133		
CAP	ACT3				3,867	
CAP	LOCAL				133	
CAP	ACT3					9,667
CAP	LOCAL					333
Fiscal Year Total		5,000	5,000	4,000	4,000	10,000
			Total FY 01-04 Cost		18,000	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S099 Regional Rail Substation Imp. Program

MPMS# 0

AQ Code X

This project provides for improvements to the traction power supply system for SEPTA's Regional Rail Service. The first facility to be addressed is the 30th Street Switching Station in Amtrak's Penn Coach Yard. This substation, which is over 70 years old, currently distributes traction power to SEPTA catenary circuits at Zoo Interlocking, Arsenal Interlocking, Powelton Avenue Yard, Suburban Station and the Center City Commuter Tunnel. A new switching station will be constructed in SEPTA's Powelton Yard to replace the old substation. Replacement of this substation will rectify the power interruptions caused by this aged facility. The second facility to be addressed is Callowhill Substation, which is located on the former Reading Railroad viaduct just below the north portal of the Center City Commuter Rail Tunnel. This substation is one of 12 autotransformer substations that converts the incoming voltage from 24,000 volts to 12,000 volts and distributes the traction power to all SEPTA rail lines that operate to the north of the City. This facility has deteriorated and requires replacement. A new facility will be constructed on SEPTA property adjacent to the Portal switching Station at Green Street. Both facilities will house state-of-the-art circuit breakers, switchgears and control equipment.

TIP Program Years (\$ 000)

Later FYs

<u>Phase</u>	<u>Fund</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	<u>FY 2004</u>	
CAP	ACT3		3,383			
CAP	LOCAL		117			
CAP	ACT3				9,667	
CAP	LOCAL				333	
CAP	ACT3					20,784
CAP	LOCAL					716
Fiscal Year Total		0	3,500	0	10,000	21,500
			Total FY 01-04 Cost		13,500	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S100 Callowhill Bus Garage Replacement

MPMS# 0

AQ Code X

This project provides for the design and construction of a new bus facility to replace the existing 87-year old bus garage, located at 59th Street and Callowhill in southwest Philadelphia. Buses at this facility serve 18 bus routes. Areas requiring construction include a service area for fueling, bus washing and cleaning, a maintenance area for repairs, lube and tire change area, areas for bus storage, employee parking, transportation building, office areas, areas for revenue equipment repairs and vault pulling. In addition, site work in preparation for the construction of the facility, site utilities placement, parking and roadway construction will also take place.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	DEMO	5,000				
CAP	LOCAL	208				
CAP	TBOND	1,042				
CAP	FTA-F			8,000		
CAP	LOCAL			333		
CAP	TBOND			1,667		
CAP	FTA-F				14,000	
CAP	LOCAL				583	
CAP	TBOND				2,917	
CAP	FTA-F					17,000
CAP	LOCAL					708
CAP	TBOND					3,542
Fiscal Year Total		6,250	0	10,000	17,500	21,250
			Total FY 01-04 Cost		33,750	

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S101 *Intelligent Systemwide*
MPMS# 0 Communications Improvements

AQ Code X

This project provides for the design and construction of a centralized communications infrastructure. Elements include the installation of voice lines, radio interfaces, standard computer networks, video and other connection methods at all SEPTA node locations. This new communications infrastructure would support fare systems, closed circuit television cameras, recorders and monitors at stations and security-sensitive locations, electronic signs and public address systems, station alarms, intercoms and telephones, signal system non-vital logic devices and private radio communications base stations, such as transit police stations, operator/dispatcher functions and control center requirements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	DEMO	1,000				
CAP	LOCAL	42				
CAP	TBOND	208				
Fiscal Year Total		1,250	0	0	0	0
		Total FY 01-04 Cost		1,250		

TIP# S102 *Intermodal Facility Improvements*
MPMS# 0 in Bucks County

AQ Code 20020

This project provides for the installation of bus shelters, signage, and facility improvements at three SEPTA stations: Croydon, Levittown and Warminster. In addition, parking expansion will take place at Croydon and Warminster Stations as part of the intermodal improvements.

TIP Program Years (\$ 000)

Later FYs

Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	DEMO	2,500				
CAP	LOCAL	104				
CAP	TBOND	521				
Fiscal Year Total		3,125	0	0	0	0
		Total FY 01-04 Cost		3,125		

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

SEPTA

TIP# S103 *Intermodal Facility Improvements*

MPMS# 0 in Montgomery County

AQ Code 20020

This project provides for the engineering and construction of facility improvements at two intermodal facilities in Montgomery County: Jenkintown/Wyncote Station and Glenside Station. This project would include the installation of bus shelters, construction of multi-level parking garages and improved signage and communications.

		TIP Program Years (\$ 000)				Later FYs
Phase	Fund	FY 2001	FY 2002	FY 2003	FY 2004	
CAP	DEMO	2,500				
CAP	LOCAL	104				
CAP	TBOND	521				
Fiscal Year Total		3,125	0	0	0	0
		Total FY 01-04 Cost				3,125
Total for SEPTA		524,041	453,191	459,138	466,631	1,876,099
		Total FY 01-04 Cost				1,903,001

DVRPC FY 2001-2004 TIP

Approved by DVRPC Board on July 27, 2000

Pennsylvania - Transit Program

	2001	2002	2003	2004	Later FYs
Grand Total	542,287	471,517	477,464	484,957	1,876,099
		Total FY 01-04 Cost		1,976,225	

Appendix A

Financial Guidance

**FY 2001 - 2004 Transportation Improvement Program
Pennsylvania Subregion**

PENNSYLVANIA'S 2001 TRANSPORTATION PROGRAM FINANCIAL GUIDANCE

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BACKGROUND

In July 1997, individuals from regional planning agencies, the Pennsylvania Department of Transportation, the State Transportation Commission (STC), and the U.S. Department of Transportation met to perform a value adding management (VAM) analysis for the transportation planning and programming process in Pennsylvania. The result has been the most collaborative, cooperative planning and programming process in the nation. PennDOT and its planning partners joined forces to develop all aspects of the transportation plans and programs which will continue to shape the Commonwealth's transportation system in the years ahead. The new process was used for the first time in the development of the 1999 Transportation Program. Based on the success of that activity, the 2001 Program will follow the same collaborative, cooperative process, using guidance which is very similar to the 1999 guidance.

THE HIGHWAY PROGRAM

FUNDING

Funding for the development of Pennsylvania's 2001 Transportation Program will include all federal and state capital funding which is anticipated over the next four years. This will include PennDOT Appropriation 185 funding for highway capital projects, PennDOT Appropriation 284 and 289 funding for bridge capital projects, and all federal highway and bridge funding apportioned or allocated to the Commonwealth. All projects within a region should be listed in the Program regardless of the type of funding.

PennDOT Appropriation 187 funding is used for highway maintenance activities and is allocated to individual counties under a formula established by the State Legislature. This funding will not be further sub-allocated to the planning regions for program update purposes. However, it may serve as the matching funds for Highway Restoration and Pavement Life Extension projects, and in such cases will represent additional funding which is provided to a region. The decision to include any state Appropriation 187 funding in the Program will be a PennDOT decision based on an assessment of project priorities and funding availability within the individual counties.

As in prior programs, several federal funding categories (specifically the Interstate Maintenance - IM, National Highway System - NHS, Surface Transportation Program - STP, and Minimum Guarantee - MG) will be combined into an overall "highway funds" category. State highway capital funding (Appropriation 185 funding) will also be included in this category. Bridge funding will consist of all federal bridge funding, plus the state Appropriation 284 and 289 funding.

*** Changes made to the narrative are highlighted in bold.**

The tables which are included in the appendices of this document include all federal funding which has been authorized in TEA-21 for the four-year period covered by this program. The actual federal numbers have been taken from FHWA documents, and have been adjusted, where appropriate, to reflect the 2% reduction for planning and research activities. Note that TEA-21 legislation expires in 2003. For planning purposes, funding for 2004 is assumed to be the same as for 2003 for all categories of federal funding with the exception of the special funding (SXF) which is earmarked to specific projects. Although SXF funding may continue in future legislation, none is assumed to be available for programming purposes in this guidance.

FUNDING DISTRIBUTION

The level of federal funding will be based on authorization levels in TEA 21, recognizing that annual obligation limitations may preclude utilizing all of these funds. As for the 1999 program update, highway funding will be allocated among the individual planning regions of the state based on an Urban/Rural funding distribution methodology. This funding will be distributed as follows.

- A total of \$25 million annually in highway funding will be reserved for economic development opportunities statewide. Decisions on how to utilize this funding will be at the discretion of the Secretary of Transportation in consultation with the State Transportation Commission.
- An additional \$25 million per year in federal funding will be reserved for flexing to transit agencies in accordance with agreements reached in conjunction with the enactment of Pennsylvania Act 3 of 1997.
- Twenty percent of the balance will be reserved for distribution by the Secretary of Transportation in consultation with the State Transportation Commission, to offset the impact of high cost projects or programs ("spikes") which are beyond a region's allocation.
- The remaining 80 percent will be distributed among the urban and rural areas based on the average of those regions' population, lane miles, and vehicle miles of travel. The lane miles and vehicle miles of travel are based on the roadway mileage which would qualify for the state and federal funding which is available in this program. Within each classification (urban or rural), the funding will be further subdivided based on the following criteria.
- Lane miles and vehicle miles of travel within urban planning regions
- Lane miles within rural planning regions.

Bridge funding will be allocated to planning regions based on need factors identified through the Commonwealth's Bridge Management System. Specifically, square feet of deck area of

deficient bridges will be used to determine the percentage of the bridge funding each region receives. Posted and closed bridges will be weighted by a factor of 1.5 when determining this distribution factor.

Note that the tables shown in Appendix 2 show a division between state and federal funding for bridge and highway categories. The division of these funds is for illustrative purposes only; each region will get the sum of these columns, with the actual splits of federal and state funding to be determined based on the specific project needs. It should be noted that each column includes no matching funds. That is, the "Fed Hwy" column includes only federal funding. Likewise, the "Urban", "CMAQ", "SXF", "APD", and all other federal funding columns include only federal funds. Matching funds for these federal funds will come from the "Sta Hwy" column for those types of funding which qualify, and from the "Sta Bridge" column for the "Fed Bridge" funding category. Local and private funding may also be used as matching funding. Local and private funding is not included in the tables, and can be considered additional funding above that which is shown.

Surface Transportation Program-Urban (STU) funding is allocated to each region based on federal formulas. This allocation formula will be followed for the distribution of these funds to each metropolitan region with a population of at least 200,000.

Congestion mitigation and air quality (CMAQ) funding is distributed to the states based on federal factors which take into account each region's air quality classification. These factors will be used to distribute the funding within Pennsylvania. Note that the distributions indicated in Appendix 2 are based on the current eligibility criteria. **However, an annual line item reserve of \$10 million has been added in anticipation of pending reclassification decisions that would make additional regions eligible for CMAQ funds. The line item reserve will fund CMAQ eligible projects in the additional regions in the event that they are reclassified. Otherwise, the reserved CMAQ funds will be distributed to the currently eligible regions consistent with the existing formula.**

The above categories of funding will combine to equal a region's "fair share" over the four-year period of this program. During the four-year period covered by federal fiscal years (FFYs) 2001 through 2004 inclusive, each region should expect to receive a percentage of the statewide funding which is equivalent to the percentage indicated in the tables in Appendix 2.

There are other categories of funding which have limitations on how and where they may be used or which will be allocated on a discretionary basis. All of these funding categories are considered to be in addition to a region's "fair share". These additional funds include the following.

- Special federal funding (SXF) which is earmarked for specific projects in ISTEA, TEA-21, and other federal legislation.
- Federal interstate completion (FAI) funding, which may only be used to complete sections

of Interstate highway defined in the most recent Interstate Cost Estimate.

- Appalachia Development Highway (APD) funding, which may only be used for capital improvements on routes which have been designated as Appalachia highway corridors and which are included in the most recent Appalachia Cost Estimate.
- Funding from the Economic Development Reserve (\$25 million per year), which will be allocated at the discretion of the Secretary of Transportation.
- Funding from the "spikes" fund (20% of the highway funding), which will be allocated at the discretion of the Secretary of Transportation.
- Funding from the \$25 million per year transit flex which was agreed to in April 1997 when Act 3 of 1997 was enacted.
- Any discretionary federal funding which the Commonwealth receives, such as Interstate Maintenance discretionary funding, Public Lands Highways discretionary funding, Forest Highways funding, Ferry Boat discretionary funding, and the like. The United States Secretary of Transportation determines the allocation of federal discretionary funding.

These additional funds are summarized in the four-year summary table in Appendix 3 of this document. **Note two changes regarding the additional funds found in Appendix 3:**

- **Transportation Enhancement funds will be distributed on the basis of population (80%) and land area (20%) with 20 percent taken off the top for the Secretary's reserve.**
- **STP-rail/highway safety funding will be allocated to each region based on an equal weighting given to both the number of grade crossings in the region, and the number of rail/highway accidents in the region (based on the most recent 5 year history).**

As discussed at the November 9 and 10, 1999 Planning Partners' meeting, state funds used to match federal funds in the "Additional" category will be shown on the region's program reports under the "Additional" category. However, this financial guidance document will remain the same with respect to state capital funds. The amount shown on Table 1 is the best estimate of the amount of state funds expected to be available for the period, regardless of their use as matching funds.

PROGRAM GUIDELINES

The State Transportation Commission, the Commonwealth's Planning Directors, and PennDOT have agreed on a number of program development issues which will guide the development of the 2001 Transportation Program.

The program will be fiscally constrained by year for each MPO/LDD and Independent

County. The tables which comprise Appendix 2 establish a region's annual base funding constraint. Funding from the categories in Appendix 3 can supplement a region's annual base funding. This funding will generally be associated with specific projects and is dependent on their schedules. PennDOT staff will work with MPOs, LDDs, and Independent Counties to assign projects and their associated funding to appropriate years based on a combination of project readiness and funding availability.

The program will be developed using a cash flow approach. That is, project funding will be arrayed over the program period consistent with the amount which will be needed in any given year. Low cost, short duration project phases should generally have all of their costs shown as a lump sum in a single year. Longer term, high cost project phases may have their costs spread over the several years that the specific phase will be active. In many cases, such phases will initially be advance constructed and then partially converted over several years. Thus, the program document should show the initial start of the activity (the advance construction approval), and then the amounts which will be partially converted (the equivalent to cash flow) in each of the years the phase will be active. This action will also require programming "carry in" costs for projects which are initiated prior to the beginning of the 2001 Program period (prior to October 1, 2000), and which will require funding during the 2001 Program period.

The "highway", bridge, STP-urban, and CMAQ funding which is allocated by formulas will comprise a region's "fair share". Because of the limitations on where other categories of funding may be used, they will be considered in addition to a region's "fair share". These add-on categories include federal Interstate completion (FAI), Appalachia Development Highway (APD), special federal earmarked (SXF), rail/highway safety (STX), economic development, and spike funding

The Pennsylvania Turnpike Commission receives funding from a variety of sources, including toll revenues, state funding earmarked in Act 26 of 1991 and Act 3 of 1997, and special federal funding earmarked by Congress. The authority for the programming of projects using all of these funding sources rests with the Turnpike Commission. The Turnpike Commission does implement projects which qualify for regular federal funds. If they desire to pursue regular federal funding, the Turnpike Commission will present their projects for consideration with other state and local projects within the appropriate planning region.

Federal law allows each state to transfer up to 50 percent of its federal bridge funding to highway funding categories. The decision on how much federal bridge funding to transfer will be made at the local level, and will be a collaborative decision by PennDOT and each of the planning partners.

As each regional planning agency develops its draft program, it should identify those projects or phases of projects which it feels should be assigned a specific type of funding. This is particularly true for STU and CMAQ-funded projects, as well as for projects or phases of projects which can be more cost-effectively implemented using 100% state funding. Although there will always be exceptions to any rule, in general, we will attempt to utilize state funding for pre-

construction phases and federal funding for construction phases when there is no disbenefit from doing so. For higher cost long-term projects, federal funds may be assigned to all phases of work. Likewise, there will be certain projects which do not qualify for federal funding or which can be more cost-effectively advanced using state funding. Such projects may be funded only with state funds for all phases of work. As noted earlier, all projects and phases of projects which are to be implemented in a region should be included in the Program, regardless of the type of funding to be used.

DISTRIBUTION OF THE "SPIKE" FUNDING

The ultimate decisions with regard to the distribution of the so-called "spike" funding will be made by the Secretary of Transportation. Regions should align projects in accordance with their relative priorities and schedules, making every attempt to satisfy regional priorities within regional funding allocations. It is envisioned that "spike" funding will generally be distributed in a two-stage process based on the following relative priorities.

- First priority will be given to the carryover phases of work from the 1999 Transportation Program. PennDOT and its planning partners will continue to give the highest priority to ongoing projects and phases of projects.
- Second priority will be for subsequent phases of work associated with carryover projects. That is, if engineering and right-of-way were included on the previous program but construction was not, then construction would be the next logical priority for funding.
- Third priority will be for new projects.

Based on an assessment of project schedules, updated cost estimates, and regional funding allocations, it is expected that the first series of "spike" funding allocations can be made during January 2000. This will be for the first priority of candidates, the carryover phases of work. The second series of "spike" funding decisions will occur in March 2000. This will be for the second and third priority category "spike" candidates. By February 15, 2000, each planning region will submit its preliminary draft program to the Secretary of Transportation. This submission should reflect the collaborative efforts of the MPO/LDD/Independent County, PennDOT, and other partners, and should clearly indicate the level of additional funding which is needed to fully implement the preliminary draft program. The Secretary will evaluate all of the preliminary draft programs and will determine the distribution of the balance of "spike" funding by March 31, 2000.

THE TRANSIT PROGRAM

FUNDING

Funding for transit improvements in Pennsylvania is a combination of federal, state, and local monies. Federal funding is provided through the Transportation Equity Act for the 21st Century (TEA-21). State funding is provided through formulas established in Act 26 of 1991 and amended in Act 3 of 1997. In addition, state capital budget funding is released annually for capital improvements. As part of an agreement between the Commonwealth and the transit community during the enactment of Act 3 of 1991, a total of \$25 million per year in federal highway funding will be flexed to transit agencies for their projects. This funding is reserved in the highway financial guidance discussed elsewhere.

Federal and state funding which is available for public transit programming is included in Appendix 4. Federal funding is based on guaranteed authorizations only, and includes a mix of urban formula, fixed guideway, new starts, and bus project funding. Additional federal fund authorizations are not included in the tables. State funding which is shown in the tables is for capital improvements only, with the following exception - a portion of the PTAF dedicated funding and Act 3 Revenue Enhancement funding may be used for either capital or operating assistance. The funding shown in the tables in the Appendix 4 assumes that all of this funding will be available for capital improvements. Each transit operator will have to determine the amount it will use for capital improvements, and the amount for operating assistance.

State bond funded capital assistance is determined on an annual basis. Federal fiscal year (FFY) 2001 state bond funded capital assistance has only been estimated for SEPTA and Port Authority Transit at this time. Remaining estimated funds for state bond funded capital assistance for transit operators is included as a line item reserve in the guidance.

Intercity program assistance is not included in these financial guidance tables.

The funding in the tables is for planning purposes only. The actual federal and state funding which is available each year will be determined during the appropriations and budget development processes annually. Thus, actual funding available to transit operators may differ from that which was authorized in TEA-21 or is estimated to be available based on current state budget figures.

State and Federal transit funds shown in Appendix 4 are estimated allocations for 2001. However, these estimated allocations may also be used for planning purposes only for 2002, 2003, and 2004.

DRAFT PROGRAM SUBMISSION

As noted earlier, each MPO, LDD, and Independent County is requested to submit a copy of its prioritized preliminary draft highway and bridge program to PennDOT by **February 15, 2000**. The submission should clearly indicate which projects can be afforded with funding which is available to the region, and which will require additional funding if they are to advance. The Secretary of Transportation will review these submissions and determine the allocation of so-called "spike funds".

APPENDICES

The following appendices are attached.

- Appendix 1 Highway, Bridge, and Transit Funding Available
- Appendix 2 Base Highway/Bridge Program Funding Allocations for Each Region, by funding category
- Appendix 3 Additional Federal Highway Funding Available for Each Region, by funding category
- Appendix 4 Projected Transit Funding - Base Allocations

APPENDIX 1

Available Funds Highway and Bridge Funds (\$000)

Highway Funds	2001	2002	2003	2004	Total
Interstate Maintenance (1)	164,229	167,161	171,028	171,028	673,445
National Highway System (1)	185,542	188,812	193,884	193,884	762,121
Surface Transportation (1)	226,193	230,154	235,387	235,387	927,120
Minimum Guarantee (1)	93,780	93,628	94,961	94,961	377,330
Subtotal - Fed. Hwy.	669,743	679,755	695,259	695,259	2,740,016
State Highway (2)	352,155	366,083	381,540	382,156	1,481,934
Bridge Funds					
Federal Bridge (1)	369,480	376,107	384,838	384,838	1,515,262
State Bridge (3)	125,700	127,800	129,900	132,000	515,400
Other Federal Funds					
Cong. Mitigation/Air Quality (1)	76,339	77,492	79,015	79,015	311,861
Appalachian Development	119,395	119,395	119,395	119,395	477,580
New SXF (4)	462,277	152,008	152,008	0	766,293
Old SXF(5)	430,137	0	0	0	430,137
Interstate Construction (FAI)	233,478	0	0	0	233,478
Total	2,838,703	1,898,640	1,941,955	1,792,663	8,471,962

- (1) Estimated Federal Apportionments after redistribution of Minimum Guarantee Funds. (23 USC 105 (c) (1) requires that Minimum Guarantee amounts in excess of \$2.8 billion annually be distributed among the IM, NHS, STP, Bridge, and CMAQ Programs.
- (2) State Highway Carryover for 2000 was \$164 million and this amount is evenly distributed over years 2001 through 2004 (\$41 million per year) in the State Highway columns.
- (3) State Bridge Carryover for 2000 was \$162 million (\$155.2 million Bridge Program and \$6.8 million Act 26 Bridge) this amount is evenly distributed over years 2001 through 2004 (\$40.5 million per year) in the State Highway columns.
- (4) New SXF (SXF from TEA-21) in 2001 assumes current balance of funds plus the FFY 2001 allocation of the balance. It is also assumed that PA will receive \$152,008,000 in SXF in FFY 2004. However, because it is not known at this time what specific projects will be identified by Congress for this funding, this funding will not be used in the programming of projects at this time.
- (5) Old SXF (Pre- TEA-21) shows the balance of previously authorized (but unspent) SXF funds statewide. These are shown in 1999 for illustrative purposes only. Interstate Construction (FAI) funds reflect the balance of funds from prior acts. It is also shown in 2001 for illustrative purposes only.

APPENDIX 1

Federal and State Funds (1) Subject to Distribution via Base Allocation Formulas (\$000)

Funds	2001	2002	2003	2004	Total
IM	160,944	163,818	167,607	167,607	659,976
NHS	181,831	185,036	190,006	190,006	746,879
STP (2)	138,196	140,631	143,855	143,855	566,538
Minimum Guarantee	91,904	91,755	93,062	93,062	369,783
Total Federal Hwy. (3)	572,875	581,240	594,530	594,530	2,343,176
Less Transit	25,000	25,000	25,000	25,000	100,000
Less Spike (20%)	106,950	108,583	111,181	111,181	437,895
Fed. \$ to Allocate	440,925	447,657	458,349	458,349	1,805,281
State Highway (3)	352,155	366,083	381,540	382,156	1,481,934
Less Econ. Develop.	25,000	25,000	25,000	25,000	100,000
Less Spike (20%)	65,431	68,217	71,308	71,431	276,387
Sta. \$ to Allocate	261,724	272,866	285,232	285,725	1,105,547
Total Fed + Sta Hwy. Funds	702,649	720,524	743,581	744,074	2,910,828
Fed. Bridge	362,090	368,585	377,141	377,141	1,484,957
State Bridge	125,700	127,800	129,900	132,000	515,400
Total Fed. + Sta. Bridge	487,790	496,385	507,041	509,141	2,000,357
STU	55,219	56,175	57,435	57,435	226,264
CMAQ	74,812	75,942	77,435	77,435	305,624
Total-All funds subject to base allocation	1,320,470	1,349,026	1,385,492	1,388,085	5,443,073

- (1) Federal funds reflect a mandatory 2% takedown for statewide planning.
- (2) The following table for STP categories included in the base allocation. (Any Area/Rural and Safety which are distributed by highway formula) STU is distributed by the federal formula and listed below. Rail/Highway Safety and Enhancements are shown as "Additional Funding" pending discussion on August 18, 1999.
- (3) See table below for Highway Funding Breakdown.

STP BREAKDOWNS (\$000)

Funds	2001	2002	2003	2004	Total
Any Area/Rural	123,198	125,374	128,256	128,256	505,084
Safety	14,998	15,258	15,600	15,600	61,455
Rail/Hwy Crossings	6,628	6,743	6,894	6,894	27,160
Enhancements	21,626	22,001	22,494	22,494	88,615
Urban	55,219	56,175	57,435	57,435	226,264
Total	221,669	225,551	230,679	230,679	908,578

APPENDIX 2
Highway/Bridge Base Funding Allocations
FFY 2001

REGION	Federal Highway	State Highway	Federal Bridge	State Bridge	Urban	CMAQ	Total	Percent to Total
Delaware Valley	79,702	47,593	101,440	35,215	30,233	30,904	325,086	24.67%
Southwest Penna	89,834	53,643	104,157	36,158	15,277	16,290	315,359	23.93%
Harrisburg	24,001	14,332	13,018	4,519	2,666	2,419	60,955	4.63%
Scranton/WB	20,228	12,079	13,498	4,686	3,533	2,791	56,814	4.31%
Lehigh Valley	17,621	10,522	12,500	4,339	3,509	2,745	51,238	3.89%
Altoona	5,601	3,345	3,253	1,129	0	666	13,994	1.06%
Johnstown	6,985	4,171	4,074	1,414	0	831	17,476	1.33%
State College/Centre	6,607	3,945	2,435	845	0	0	13,833	1.05%
Williamsport	7,249	4,329	4,310	1,496	0	0	17,384	1.32%
Erie	10,927	6,525	5,941	2,063	0	1,405	26,860	2.04%
Lancaster	14,630	8,736	5,290	1,836	0	2,696	33,189	2.52%
York	13,365	7,980	4,550	1,579	0	1,732	29,206	2.22%
Reading	12,939	7,726	10,473	3,636	0	1,716	36,491	2.77%
Sharon/Farrell	7,717	4,608	3,610	1,253	0	617	17,804	1.35%
CMAQ Reserve						10,000	10,000	0.76%
Total Urban	317,405	189,534	288,550	100,170	55,219	74,812	1,025,690	77.83%
Northwest	16,952	10,123	11,872	4,122	0	0	43,068	3.27%
Northcentral	16,341	9,758	10,428	3,620	0	0	40,147	3.05%
Northern Tier	18,088	10,801	7,972	2,767	0	0	39,628	3.01%
Southern Allegh.	16,918	10,102	9,321	3,236	0	0	39,577	3.00%
EDCNP	16,459	9,828	8,763	3,042	0	0	38,092	2.89%
SEDA-COG	17,857	10,663	12,290	4,266	0	0	45,076	3.42%
Adams	3,526	2,106	1,236	429	0	0	7,297	0.55%
Fayette	5,129	3,063	3,372	1,171	0	0	12,735	0.97%
Franklin	4,101	2,449	1,741	604	0	0	8,894	0.67%
Lawrence	2,717	1,623	5,105	1,772	0	0	11,217	0.85%
Lebanon	2,807	1,676	1,440	500	0	0	6,423	0.49%
Total Rural	120,895	72,190	73,540	25,530	0	0	292,155	22.17%
Grand Total	438,300	261,724	362,090	125,700	55,219	74,812	1,317,845	100.00%

APPENDIX 2
Highway/Bridge Base Funding Allocations
FFY 2002

REGION	Federal Highway	State Highway	Federal Bridge	State Bridge	Urban	CMAQ	Total	Percent to Total
Delaware Valley	80,919	49,619	103,259	35,803	30,757	39,489	339,846	25.24%
Southwest Penna	91,205	55,927	106,025	36,762	15,542	20,815	326,277	24.23%
Harrisburg	24,368	14,942	13,252	4,595	2,712	0	59,868	4.45%
Scranton/WB	20,536	12,593	13,740	4,764	3,594	0	55,228	4.10%
Lehigh Valley	17,890	10,970	12,725	4,412	3,570	0	49,567	3.68%
Altoona	5,687	3,487	3,312	1,148	0	0	13,634	1.01%
Johnstown	7,092	4,349	4,147	1,438	0	0	17,026	1.26%
State College/Centre	6,708	4,113	2,478	859	0	0	14,159	1.05%
Williamsport	7,359	4,513	4,388	1,521	0	0	17,781	1.32%
Erie	11,093	6,802	6,048	2,097	0	0	26,041	1.93%
Lancaster	14,853	9,108	5,385	1,867	0	3,444	34,657	2.57%
York	13,569	8,320	4,631	1,606	0	0	28,126	2.09%
Reading	13,137	8,055	10,661	3,697	0	2,193	37,743	2.80%
Sharon/Farrell	7,834	4,804	3,674	1,274	0	0	17,587	1.31%
CMAQ Reserve						10,000	10,000	0.74%
Total Urban	322,252	197,603	293,726	101,844	56,175	75,942	1,047,541	77.81%
Northwest	17,211	10,553	12,085	4,190	0	0	44,040	3.27%
Northcentral	16,591	10,173	10,615	3,681	0	0	41,059	3.05%
Northern Tier	18,364	11,261	8,115	2,814	0	0	40,553	3.01%
Southern Allegh.	17,176	10,532	9,488	3,290	0	0	40,487	3.01%
EDCNP	16,710	10,247	8,920	3,093	0	0	38,970	2.89%
SEDA-COG	18,129	11,117	12,510	4,338	0	0	46,094	3.42%
Adams	3,580	2,195	1,258	436	0	0	7,470	0.55%
Fayette	5,207	3,193	3,433	1,190	0	0	13,023	0.97%
Franklin	4,163	2,553	1,772	614	0	0	9,102	0.68%
Lawrence	2,759	1,692	5,197	1,802	0	0	11,449	0.85%
Lebanon	2,850	1,748	1,466	508	0	0	6,572	0.49%
Total Rural	122,741	75,264	74,859	25,956	0	0	298,820	22.19%
Grand Total	444,992	272,866	368,585	127,800	56,175	75,942	1,346,361	100.00%

APPENDIX 2
Highway/Bridge Base Funding Allocations
FFY 2003

REGION	Federal Highway	State Highway	Federal Bridge	State Bridge	Urban	CMAQ	Total	Percent to Total
Delaware Valley	82,852	51,867	105,656	36,392	31,447	40,383	348,597	25.21%
Southwest Penna	93,384	58,461	108,487	37,366	15,891	21,287	334,876	24.22%
Harrisburg	24,950	15,619	13,559	4,670	2,773	0	61,571	4.45%
Scranton/WB	21,027	13,163	14,059	4,842	3,675	0	56,767	4.11%
Lehigh Valley	18,318	11,467	13,020	4,484	3,650	0	50,940	3.68%
Altoona	5,823	3,645	3,389	1,167	0	0	14,023	1.01%
Johnstown	7,262	4,546	4,243	1,461	0	0	17,512	1.27%
State College/Centre	6,868	4,300	2,536	873	0	0	14,577	1.05%
Williamsport	7,535	4,717	4,490	1,546	0	0	18,289	1.32%
Erie	11,359	7,111	6,188	2,131	0	0	26,789	1.94%
Lancaster	15,208	9,521	5,510	1,898	0	3,522	35,659	2.58%
York	13,893	8,697	4,739	1,632	0	0	28,961	2.09%
Reading	13,450	8,420	10,909	3,757	0	2,243	38,780	2.80%
Sharon/Farrell	8,022	5,022	3,760	1,295	0	0	18,098	1.31%
CMAQ Reserve						10,000	10,000	0.72%
Total Urban	329,951	206,558	300,544	103,517	57,435	77,435	1,075,440	77.77%
Northwest	17,622	11,032	12,366	4,259	0	0	45,279	3.27%
Northcentral	16,987	10,634	10,861	3,741	0	0	42,224	3.05%
Northern Tier	18,803	11,771	8,303	2,860	0	0	41,737	3.02%
Southern Allegh.	17,587	11,010	9,708	3,344	0	0	41,649	3.01%
EDCNP	17,110	10,711	9,127	3,144	0	0	40,092	2.90%
SEDA-COG	18,562	11,621	12,801	4,409	0	0	47,393	3.43%
Adams	3,666	2,295	1,287	443	0	0	7,691	0.56%
Fayette	5,332	3,338	3,512	1,210	0	0	13,392	0.97%
Franklin	4,263	2,669	1,813	624	0	0	9,369	0.68%
Lawrence	2,825	1,768	5,318	1,832	0	0	11,742	0.85%
Lebanon	2,918	1,827	1,500	517	0	0	6,762	0.49%
Total Rural	125,673	78,674	76,597	26,383	0	0	307,327	22.23%
Grand Total	455,624	285,232	377,141	129,900	57,435	77,435	1,382,767	100.00%

APPENDIX 2
Highway/Bridge Base Funding Allocations
FFY 2004

REGION	Federal Highway	State Highway	Federal Bridge	State Bridge	Urban	CMAQ	Total	Percent to Total
Delaware Valley	82,852	51,957	105,656	36,980	31,447	40,383	349,275	25.21%
Southwest Penna	93,384	58,562	108,487	37,971	15,891	21,287	335,581	24.22%
Harrisburg	24,950	15,646	13,559	4,746	2,773	0	61,674	4.45%
Scranton/WB	21,027	13,186	14,059	4,921	3,675	0	56,868	4.10%
Lehigh Valley	18,318	11,487	13,020	4,557	3,650	0	51,032	3.68%
Altoona	5,823	3,651	3,389	1,186	0	0	14,048	1.01%
Johnstown	7,262	4,554	4,243	1,485	0	0	17,544	1.27%
State College/Centre	6,868	4,307	2,536	888	0	0	14,599	1.05%
Williamsport	7,535	4,725	4,490	1,571	0	0	18,322	1.32%
Erie	11,359	7,123	6,188	2,166	0	0	26,836	1.94%
Lancaster	15,208	9,537	5,510	1,928	0	3,522	35,706	2.58%
York	13,893	8,712	4,739	1,659	0	0	29,003	2.09%
Reading	13,450	8,435	10,909	3,818	0	2,243	38,855	2.80%
Sharon/Farrell	8,022	5,030	3,760	1,316	0	0	18,128	1.31%
CMAQ Reserve						10,000	10,000	0.72%
Total Urban	329,951	206,914	300,544	105,191	57,435	77,435	1,077,470	77.78%
Northwest	17,622	11,051	12,366	4,328	0	0	45,367	3.27%
Northcentral	16,987	10,653	10,861	3,802	0	0	42,302	3.05%
Northern Tier	18,803	11,791	8,303	2,906	0	0	41,803	3.02%
Southern Allegh.	17,587	11,029	9,708	3,398	0	0	41,722	3.01%
EDCNP	17,110	10,730	9,127	3,195	0	0	40,161	2.90%
SEDA-COG	18,562	11,641	12,801	4,480	0	0	47,484	3.43%
Adams	3,666	2,299	1,287	451	0	0	7,702	0.56%
Fayette	5,332	3,344	3,512	1,229	0	0	13,417	0.97%
Franklin	4,263	2,673	1,813	635	0	0	9,383	0.68%
Lawrence	2,825	1,771	5,318	1,861	0	0	11,775	0.85%
Lebanon	2,918	1,830	1,500	525	0	0	6,773	0.49%
Total Rural	125,673	78,810	76,597	26,809	0	0	307,890	22.22%
Grand Total	455,624	285,725	377,141	132,000	57,435	77,435	1,385,360	100.00%

APPENDIX 2
Highway/Bridge Base Funding Allocations
Four Year Period 2001-2004

REGION	Federal Highway	State Highway	Federal Bridge	State Bridge	Urban	CMAQ	Total	Percent to Total
Delaware Valley	326,325	201,036	416,011	144,389	123,883	151,159	1,362,804	25.09%
Southwest Penna	367,808	226,592	427,156	148,258	62,601	79,679	1,312,094	24.15%
Harrisburg	98,269	60,540	53,389	18,530	10,923	2,419	244,069	4.49%
Scranton/WB	82,818	51,021	55,357	19,213	14,477	2,791	225,677	4.15%
Lehigh Valley	72,148	44,447	51,265	17,793	14,380	2,745	202,778	3.73%
Altoona	22,933	14,128	13,342	4,631	0	666	55,700	1.03%
Johnstown	28,601	17,620	16,707	5,799	0	831	69,557	1.28%
State College/Centre	27,053	16,666	9,984	3,465	0	0	57,168	1.05%
Williamsport	29,679	18,284	17,677	6,135	0	0	71,776	1.32%
Erie	44,737	27,561	24,366	8,457	0	1,405	106,526	1.96%
Lancaster	59,900	36,902	21,695	7,530	0	13,184	139,211	2.56%
York	54,719	33,710	18,659	6,476	0	1,732	115,296	2.12%
Reading	52,977	32,637	42,952	14,908	0	8,395	151,869	2.80%
Sharon/Farrell	31,594	19,464	14,804	5,138	0	617	71,617	1.32%
CMAQ Reserve						40,000	40,000	0.74%
Total Urban	1,299,559	800,608	1,183,363	410,723	226,264	305,624	4,226,141	77.80%

Northwest	69,406	42,759	48,690	16,899	0	0	177,754	3.27%
Northcentral	66,905	41,218	42,766	14,843	0	0	165,732	3.05%
Northern Tier	74,057	45,624	32,693	11,347	0	0	163,721	3.01%
Southern Allegh.	69,268	42,673	38,226	13,268	0	0	163,434	3.01%
EDCNP	67,389	41,516	35,938	12,473	0	0	157,316	2.90%
SEDA-COG	73,111	45,041	50,402	17,493	0	0	186,047	3.42%
Adams	14,438	8,895	5,068	1,759	0	0	30,159	0.56%
Fayette	21,000	12,937	13,830	4,800	0	0	52,566	0.97%
Franklin	16,789	10,343	7,139	2,478	0	0	36,749	0.68%
Lawrence	11,125	6,854	20,937	7,267	0	0	46,183	0.85%
Lebanon	11,494	7,081	5,906	2,050	0	0	26,530	0.49%
Total Rural	494,982	304,939	301,594	104,677	0	0	1,206,192	22.20%
Grand Total	1,794,541	1,105,547	1,484,957	515,400	226,264	305,624	5,432,333	100.00%

APPENDIX 3
Additional Highway Funding Available
Four Year Period 2001-2004

REGION	Prior SXF	TEA-21 SXF	APD	FAI	Rail/ Highway	Trans./ Enhanc.	TOTAL
Delaware Valley	12,624	230,371	0	227,406	3,992	18,933	493,325
Southwest Penna	57,749	135,528	149,491	6,072	4,562	13,900	367,301
Harrisburg	3,298	14,803	0	0	934	2,846	21,881
Scranton/WB	4,851	30,494	0	0	1,115	3,113	39,573
Lehigh Valley	5,961	25,300	0	0	1,543	2,865	35,669
Altoona	4,823	25,270	0	0	458	809	31,360
Johnstown	3,480	8,119	17,738	0	424	1,020	30,781
State College/Centre	153,397	2,416	180,376	0	245	964	337,398
Williamsport	12,597	16,125	0	0	252	981	29,955
Erie	0	43,118	0	0	1,534	1,607	46,259
Lancaster	0	19,500	0	0	924	2,375	22,799
York	0	10,500	0	0	1,070	1,953	13,523
Reading	0	24,000	0	0	781	1,924	26,705
Sharon/Farrell	0	1,000	0	0	528	809	2,337
Total Urban	258,778	586,543	347,605	233,478	18,362	54,099	1,498,865

Northwest	0	5,800	0	0	1,070	2,326	9,196
Northcentral	16,456	11,153	0	0	1,744	2,769	32,121
Northern Tier	11,849	6,625	129,975	0	428	2,145	151,022
Southern Allegh.	49,309	38,444	0	0	652	2,003	90,409
EDCNP	0	26,250	0	0	690	2,811	29,751
SEDA-COG	90,200	43,499	0	0	1,823	2,841	138,363
Adams	0	3,000	0	0	259	551	3,810
Fayette	0	28,376	0	0	461	967	29,804
Franklin	3,544	6,246	0	0	812	842	11,444
Lawrence	0	1,800	0	0	341	587	2,728
Lebanon	0	8,558	0	0	516	673	9,747
Total Rural	171,359	179,750	129,975	0	8,796	18,515	508,395
Statewide Reserve *	0	0	0	0	0	16,000	941,022
Grand Total	430,137	766,293	477,580	233,478	27,160	88,615	2,948,286

*Statewide reserves for Transportation Enhancements, Economic Development, and Spike.

APPENDIX 4

FEDERAL TRANSIT ADMINISTRATION TEA-21 GUARANTEE AUTHORIZATIONS

URBAN AREA	PROGRAM	FY 2001	FY 2002	FY2003	FY 2004
A-B-E	Urban	4,623,367	4,967,786	5,315,370	5,315,370
Altoona	Urban	903,147	970,427	1,038,326	1,038,326
Erie	Urban	2,323,327	2,496,404	2,671,071	2,671,071
Hagerstown	Urban	7,959	8,552	9,150	9,150
Harrisburg	Urban	2,321,678	2,494,631	2,669,175	2,669,175
Johnstown	Urban	832,843	894,886	957,499	957,499
Lancaster	Urban	2,100,588	2,257,072	2,414,994	2,414,994
Monessen	Urban	571,654	614,239	657,216	657,216
Philadelphia	Urban	90,009,860	96,715,156	103,482,093	103,482,093
Philadelphia	Fixed G'deway	81,276,998	84,365,188	87,359,304	87,359,304
Pittsburgh	Fixed G'deway	20,018,951	20,344,703	20,661,372	20,661,372
Pittsburgh	Urban	32,341,287	34,750,555	37,181,971	37,181,971
Pottstown	Urban	542,468	582,879	623,662	623,662
Reading	Urban	2,452,070	2,634,737	2,819,083	2,819,083
Scranton/W-B	Urban	3,446,268	3,702,998	3,962,088	3,962,088
Sharon	Urban	379,778	408,070	436,622	436,622
State College	Urban	790,410	849,292	908,714	908,714
Statewide	Elderly & PWD	4,072,337	4,394,371	4,719,365	4,719,365
Statewide	Non-Urbanized	10,565,079	11,352,125	12,146,408	12,146,408
Steub'ville/W'rtn	Urban	2,760	2,966	3,174	3,174
Trenton	Urban	253,678	272,575	291,647	291,647
Williamsport	Urban	662,576	711,934	761,747	761,747
Wilmington	Urban	883,400	949,209	1,015,623	1,015,623
York	Urban	1,650,972	1,773,961	1,898,081	1,898,081

TOTALS

FY 2001	FY 2002	FY2003	FY 2004
263,033,455	278,514,716	294,003,755	294,003,755

APPENDIX 4

FEDERAL TRANSIT ADMINISTRATION TEA-21 NEW START PROJECT AUTHORIZATIONS

Authorization for Final Design and Construction

AREA	PROJECT	AMOUNT
Pittsburgh	North Shore - CBD	20,000,000
Philadelphia	Schuylkill Valley Metro	75,000,000
Pittsburgh	Stage II Light Rail	100,200,000

Authorization for Alternative Analysis and Preliminary Engineering

AREA	PROJECT	AMOUNT
Harrisburg	Cumberland/Dauphin County Corridor 1 Commuter Rail	20,000,000

Autorized (Not included on Final Design & Construction; or Alternatives Analysis & PE lists)

AREA	PROJECT	AMOUNT
Philadelphia-Pittsburgh	Phila-Pgh High Speed Rail	10,000,000

APPENDIX 4

FEDERAL TRANSIT ADMINISTRATION TEA-21 BUS PROJECT AUTHORIZATIONS

Guaranteed Funding

PROJECT	FY 1999	FY 2000
Allegheny County, Buses	0	1,500,000
Altoona, Transit Authority, Buses and System Improvements	842,000	842,000
Altoona, Transit Authority, Logan Valley Mall Transfer Center	80,000	0
Altoona, Transit Authority, Transit Center Improvements	424,000	0
Altoona, Ped. Crossover	800,000	0
Armstrong County, Mid-County, Bus Facility and Buses	150,000	150,000
Bradford County, Endless Mtns., Buses	1,000,000	0
Cambria County, Buses and Bus Facility	575,000	575,000
Centre Area Transit Authority, Buses	1,250,000	1,250,000
Chambersburg Transit Authority, Buses	300,000	0
Chambersburg Transit Authority, Intermodal Center	1,000,000	0
Chester County, Paoli Transportation Center	1,000,000	1,000,000
Crawford County, Buses	500,000	0
Erie Metro Transit Authority, Buses	1,000,000	1,000,000
Fayette County, Intermodal Facility and Buses	1,270,000	1,270,000
Lackawanna County Transit System, Buses	600,000	600,000

APPENDIX 4

PROJECT	FY 1999	FY 2000
Mercer County, Buses	750,000	0
Monroe County	1,000,000	0
Philadelphia, Frankford Transportation Center	5,000,000	5,000,000
Philadelphia, Intermodal 30th Street Station	1,250,000	1,250,000
Philadelphia, Regional Transportation System for the Elderly and Disabled	750,000	0
Reading, (Berks) BARTA Intermodal Facility	1,750,000	1,750,000
Red Rose (Lancaster) Transit Bus Terminal	1,000,000	0
Robinson Towne Center, Intermodal Facility	1,500,000	1,500,000
Somerset County, Bus Facility and Buses	175,000	175,000
Towamencin Twp., Intermodal Bus Center	1,500,000	1,500,000
Wash. Co., Intermodal Facility	630,000	630,000
Westmoreland Co. Intermodal Facility	200,000	200,000
Wilkes-Barre Intermodal	1,250,000	1,250,000
Wmsport Bus Facility	1,200,000	1,200,000
Bus Test Facility Program	3,000,000	3,000,000

APPENDIX 4

OPERATOR	Bond Funded Capital Assist.	PTAF Dedicated	Act 3 Revenue Enhancement	State Sub-Total	Federal Capital	Total
SEPTA (Del. Val.)	84,000	134,163	40,308	258,471	189,954	448,425
PAT (So. West PA)	30,000	48,474	13,425	91,899	55,023	146,922
AMTRAN (Altoona)	0	282	641	923	0	923
BARTA (Reading)	0	746	1,744	2,490	0	2,490
BCTA (Beaver)	0	320	354	674	0	674
Capitol Bus (Hbg. P.O.)	0	17	2	19	0	19
CAT (Hbg.)	0	751	1,189	1,940	2,438	4,378
CATA (Centre Region)	0	470	523	993	0	993
CCTA (Cambria)	0	488	671	1,159	0	1,159
COLTS (Lackawanna)	0	502	848	1,350	1,809	3,159
EMTA (Erie)	0	854	1,485	2,339	0	2,339
LANTA (Lehigh Valley)	0	1,263	2,819	4,082	4,855	8,937
LCTA (Luzerne)	0	484	976	1,460	1,809	3,269
MMVTA (Allegheny)	0	202	461	663	0	663
Pottstown (Montgomery)	0	214	234	448	0	448
RRTA (Lancaster)	0	690	1,217	1,907	0	1,907
SVSS (Sharon)	0	70	285	355	0	355
Washington (SPRPC)	0	153	195	348	0	348
WBT (Williamsport)	0	319	450	769	0	769
WCTA (Westmoreland)	0	148	243	391	0	391
YCTA (York)	0	446	934	1,380	0	1,380
Urban Total	114,000	191,056	69,004	374,060	255,888	629,948

ATA (North Central)	0	806	933	1,739	0	1,739
BEAVER	0	77	63	140	0	140
BUTLER	0	150	121	271	0	271
CAMBRIA	0	462	374	836	0	836
CARBON	0	74	47	121	0	121
CHAMBERSBURG	0	70	46	116	0	116
CRAWFORD	0	118	130	248	0	248
DuFAST (DuBois)	0	132	97	229	0	229
EMTA (Northern Tier)	0	170	98	268	0	268
HTA (Hazleton)	0	467	316	783	0	783
ICTA (Indiana)	0	315	229	544	0	544
LEBANON	0	393	355	748	0	748
MID CO. (Armstrong)	0	112	119	231	0	231
MONROE	0	459	385	844	0	844
MT. CARMEL	0	49	58	107	0	107
NCATA (New Castle)	0	677	662	1,339	0	1,339
STS (Schuylkill)	0	256	342	598	0	598
VENANGO	0	108	39	147	0	147
WARREN	0	154	95	249	0	249
WCTA (Westmoreland)	0	284	222	506	0	506
YCTA (York)	0	85	68	153	0	153
Subtotal Rural	0	5,418	4,799	10,217	0	10,217
Reserve	11,000	0	0	11,000	0	11,000
Grand Total	125,000	196,474	73,803	395,277	255,888	651,165

* For planning purposes, only, the estimated transit allocation can be used for 2002, 2003, and 2004.

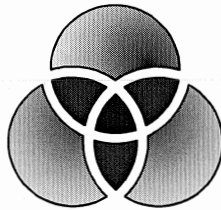
Appendix B

Documentation of the Conformity Finding

FY 2001 Transportation Improvement Program

EXECUTIVE SUMMARY

CONFORMITY OF THE DVRPC FY 2001 TRANSPORTATION IMPROVEMENT PROGRAM



***A Demonstration of the Conformity between
the FY 2001 Transportation Improvement Program,
the Direction 2020 Long Range Transportation Plan
and the Pennsylvania and New Jersey State Air Quality Implementation Plans***

INTRODUCTION

This summary describes the process used for the demonstration of the conformity between the *FY 2001 Transportation Improvement Program (TIP)*, the *Direction 2020 Long Range Transportation Plan* and Pennsylvania and New Jersey *State Air Quality Implementation Plans*. The conformity demonstration is based on the current final conformity guidance (40 CFR Part 93) which became effective in July, 1997. Pollutants addressed include volatile organic compounds (VOCs), oxides of nitrogen (NO_x) and Carbon Monoxide (CO).

There are several new elements of this conformity determination compared to previous analyses. This is the first conformity finding based on budgets for both VOC and NO_x for all analysis years in both states. Previous conformity determinations were based on a comparison of "build" and "no-build"

scenarios. There have also been changes to the MOBILE 5a(h) model parameters. In particular, New Jersey has elected to include Tier 2 controls in its

budget. The effect of Tier 2 in New Jersey is also included in DVRPC's emissions analysis.

PROJECTS

The regional emissions analysis conducted to demonstrate conformity of the *TIP* included all "non-exempt" projects on principal arterials and higher classifications — that is, those which can impact regional air quality. The projects include all those in the *Plan*, the current *TIP* and those which were introduced in previous *TIPs* which are not yet completed. The complete *FY 2001 TIP* project lists for Pennsylvania and New Jersey are included in Appendix A and B, respectively.

FINDINGS

The proposed conformity analysis of the TIP is found to be in conformity with the Pennsylvania and New Jersey State Implementation Plans based upon Section 404(a) of the Federal conformity rule. Specifically, the analysis meets the following applicable conformity criteria:

- (a) The conformity determination must be based on the latest planning assumptions. [93.110]**
- (b) The conformity determination must be based on the latest emission estimation model available. [93.111]**

Travel estimates are based upon the most recently adopted population and employment projections. The latest travel demand model incorporates significant upgrades to the methods used to show conformity in previous demonstrations. The model parameters were adjusted in 1997 to reflect the recent validation and recalibration of the models with up-to-date Census, home interview and highway screenline and transit counts.

In addition, upgrades to the travel demand model have been made to satisfy federal requirements for conformity demonstrations. Specifically, (1) peak and off-peak travel are now treated separately throughout the model chain, and (2) the entire model is run iteratively using the Evans algorithm to obtain convergence on input and output highway and transit travel speeds.

Vehicle miles of travel (VMT) are estimated at 109.4 million in 2002, with an average speed of 27.4 miles per hour (MPH) in Pennsylvania and 29.9 in New Jersey. Over the period of the analysis, VMT rises while average speeds remain constant, as seen in Table 1.

TABLE 1: VEHICLE MILES OF TRAVEL (VMT) AND AVERAGE SPEED FOR ANALYSIS YEARS

YEAR	VMT	SPEED (MPH) (PA / NJ)
2002	109,430,400	27.4 / 29.9
2005	112,118,500	27.5 / 29.9
2015	123,837,000	27.4 / 29.8
2020	129,573,700	27.6 / 29.8

Mobile source emission factors are generated by MOBILE 5a(h), in accordance with EPA direction and have been revised to reflect Pennsylvania and New Jersey's current emissions control and testing procedures. New Jersey elected to include Tier 2 controls in its budget. The effect of Tier 2 in New Jersey is also included in DVRPC's emissions analysis, as reflected in the MOBILE5a(h) parameters listed in Appendix C.

- (c) The MPO must make the conformity determination according to the applicable consultation procedures in 93.112**

Opportunity will be provided for public and agency comment on the finding of conformity. The finding will be reviewed by the Interagency Consultation Group, which will be asked for its concurrence. The Group includes all agencies cited in 93.105.

In addition, a 30-day public comment period will be provided beginning on May 15. The findings will be cited in a presentation to the public at a series of meetings to be held in Pennsylvania (in Philadelphia, Willow Grove, Media and Pottstown) and New Jersey (in Trenton, Camden and Willingboro).

The DVRPC Regional Transportation Committee and the Regional Citizens

Committee will also be briefed on the *TIP* and given an opportunity to comment. Both committees will be asked to recommend approval of the *TIP*. The procedures meet the requirements on 93.105.

(d) The *Plan* and *TIP* must provide for the timely implementation of TCMs in the SIP. [93.113]

There are currently no adopted transportation control measures in the Pennsylvania or New Jersey State Implementation Plans. Therefore, no demonstration of timely implementation is necessary.

(e) The *Plan* and *TIP* must be consistent with the motor vehicle emissions budgets in the applicable implementation plan. [93.118]

The *TIP* results in less emissions than the budgets for all pollutants in each analysis year. Tables 2 and 3 show the results of the regional emissions analysis for VOCs and NO_x for 2002, 2005, 2015 and 2020. Federal conformity guidance [93.118] permits interpolation of travel data and emissions in milestone years which are not horizon years in the *Plan*. DVRPC interpolated travel data but not emissions for 2015. The emissions analysis must result in less emissions than any *Budget*, if established, for that year or any subsequent year until a budget for a later year becomes effective. All emissions for the analysis years after 2005 are less than the budgets for 2005, the last year for which budgets have been established in Pennsylvania and New Jersey. Pennsylvania has a budget which must be met for the 2002 analysis scenario. New Jersey did not submit a 2002 Rate of Progress Plan and budgets, but is subject to the approved 1999 budgets for the 2002 analysis.

Portions of Burlington, Camden and Mercer counties have been classified as a Carbon Monoxide nonattainment area. As a result, a budget has been developed for the attainment year of 2007. Table 4 shows that the emissions of Carbon Monoxide

within the three nonattainment counties are less than the budget for all future analysis years.

The *TIP* is consistent with the conforming *Plan* such that the regional emissions analysis applies to both the *TIP* and the *Plan*. Specifically:

- (i) The *TIP* contains all projects which must be started in the *TIP*'s time frame in order to achieve the highway and transit system envisioned in the *Plan*'s horizon year.
- (ii) All *TIP* projects which are regionally significant are part of the specific highway or transit system envisioned in the *Plan*'s horizon year.
- (iii) The design concept and scope of each regionally significant project in the *TIP* is not significantly different from that described in the *Plan*.

CONCLUSIONS

The *FY 2001 Transportation Improvement Program* and the *Direction 2020 Long Range Transportation Plan* are consistent, such that the *TIP* can be said to be drawn from the *Plan*.

Both *Plan* and *TIP* meet all the criteria for conformity with the Pennsylvania and New Jersey State Implementation Plans.

Most importantly, forecasted emissions of VOCs, NO_x and CO do not exceed the budgets established by the Pennsylvania and New Jersey Departments of Environmental Protection and included in the respective State Implementation Plans.

□

TABLE 2: SUMMARY OF EMISSIONS OF VOLATILE ORGANIC COMPOUNDS (KILOGRAMS PER JULY DAY)

	PENNSYLVANIA	NEW JERSEY	REGION
2002 BUDGET	63,038	52,590*	-----
2002 ESTIMATED EMISSIONS	52,236	30,902	83,138
2005 BUDGET	56,027	29,293	-----
2005 ESTIMATED EMISSIONS	45,372	26,913	72,285
2015 BUDGET	56,027	29,293	-----
2015 ESTIMATED EMISSIONS	43,647	24,104	67,751
2020 BUDGET	56,027	29,293	-----
2020 ESTIMATED EMISSIONS	44,921	24,731	69,652

* The 1999 VOC budget for New Jersey also applies in 2002.

TABLE 3: SUMMARY OF EMISSIONS OF OXIDES OF NITROGEN (KILOGRAMS PER JULY DAY)

	PENNSYLVANIA	NEW JERSEY	REGION
2002 BUDGET	84,487	74,000**	-----
2002 ESTIMATED EMISSIONS	74,895	59,573	134,468
2005 BUDGET	78,400	53,124	-----
2005 ESTIMATED EMISSIONS	69,084	51,892	120,976
2015 BUDGET	78,400	53,124	-----
2015 ESTIMATED EMISSIONS	67,843	41,138	108,981
2020 BUDGET	78,400	53,124	-----
2020 ESTIMATED EMISSIONS	70,139	40,992	111,131

** The 1999 NO_x budget for New Jersey also applies in 2002.

TABLE 4: SUMMARY OF EMISSIONS OF CARBON MONOXIDE (KILOGRAMS PER JANUARY DAY)

	BURLINGTON COUNTY	CAMDEN COUNTY	MERCER COUNTY
2005 ESTIMATED EMISSIONS	88,705	85,928	71,483
2007 BUDGET***	124,812	148,499	98,059
2007 ESTIMATED EMISSIONS	87,284	84,804	70,481
2015 ESTIMATED EMISSIONS	88,882	84,577	72,539
2020 ESTIMATED EMISSIONS	92,067	89,057	76,402

*** The 2007 CO budget also applies to all subsequent analysis years.

Appendix C

Memorandum of Understanding on Procedures to Amend and Modify the TIP

**FY 2001 - 2004 Transportation Improvement Program
Pennsylvania Subregion**

Delaware Valley Regional Planning Commission

Memorandum of Understanding Concerning

Special Procedures for Expediting TIP Amendments and Modifications for the Pennsylvania Portion of the DVRPC Region

Adopted by the DVRPC Board on 4/24/97

PURPOSE AND BACKGROUND

The **purpose of this memorandum** is to establish a set of procedures to be employed by the Delaware Valley Regional Planning Commission (DVRPC) and its member agencies (PennDOT, the counties, cities, and transit operators) to expedite amendments and modifications to the regional Transportation Improvement Program (TIP).

Federal law, the **Intermodal Surface Transportation Efficiency Act of 1991 (ISTEA)**, requires every metropolitan planning organization (MPO, in this case DVRPC) to produce a multi-year TIP which includes all projects which will seek federal funds and all other regionally significant transportation projects. This TIP must be developed through the MPO's planning process which must be open to public input and comment. ISTEA also requires the state to develop a Statewide Transportation Improvement Program (STIP) which includes all projects from the metropolitan TIPs (Pennsylvania has 15 MPOs), plus those projects from areas not covered by the MPOs which are handled through PennDOT.

ISTEA requires that a TIP cover a minimum of three years and be updated at least every two years. Though DVRPC prepares a new regional TIP each year, the Pennsylvania portion of the program is updated every other year (on odd years) to coincide with the update of the STIP and the Twelve Year Program. The timing of the update process during a particular year is dictated by the need to have a TIP/STIP in place (i.e., adopted by the MPO, approved by the Governor, and accepted by the federal agencies of FHWA, FTA, and EPA) so that federal funding can proceed for the designated federal fiscal year which begins on October 1.

The federal **Statewide and Metropolitan Planning Regulations**, which govern the provisions of ISTEA concerning the TIP, make a distinction between TIP amendments and other actions taken by the MPO which modify the TIP. The intent of this distinction is to streamline the procedures for implementing projects. Furthermore, the regulations permit the use of expedited procedures to accomplish certain modifications if prior agreements have been established.

Based on these regulations, DVRPC and its member agencies agree to recognize two categories of MPO actions concerning changes to the TIP: **Amendments and Modifications** which are described below.

TIP AMENDMENTS

ISTEA defines a TIP amendment as the **addition or deletion** of any project to the TIP. DVRPC and its member agencies further agree that a **significant change in project scope** (intent, alignment, degree of local impact, as assessed by DVRPC staff), the movement of a project from the **fourth year** to any of the first three years, or any action to a previously obligated project which results in no phase remaining within the TIP period, will also be considered an amendment. In any of these cases, **formal action by the DVRPC Board is required**, generally based on a recommendation from the Regional Transportation Committee (RTC).

In order to **add a new project to the TIP**, the sponsor must identify an equivalent cost reduction in the appropriate year and must maintain the overall financial constraint of the four year program. The reductions do not have to come from the sponsor's county, as long as they are acceptable to the parties involved.

ISTEA and the Clean Air Act Amendments (CAAA) require a new conformity determination if the TIP is amended by adding or deleting a project (except for projects classified as exempt by the CAAA). DVRPC staff will determine whether a project is exempt from the conformity requirements and, if it is not exempt, whether the air quality impacts will be calculated using the regional conformity model or a project level analysis. Staff will consult with the appropriate agencies, as necessary, in making this determination.

For the purposes of public involvement, DVRPC and its member agencies agree to recognize two classes of amendments. **Major amendments** include those projects which require a new regional conformity determination. Major amendments will require not less than a 30 day public comment period before Board action. **Minor amendments** include those projects which are exempt from the conformity requirements or which have been assessed using project level analysis procedures and found not to change the finding of conformity. Minor amendments will not require a 30 day comment period, but will seek public involvement through DVRPC's RTC and Regional Citizen Committee (RCC).

EXPEDITED PROCEDURES FOR TIP MODIFICATIONS

The federal regulations permit an MPO to move projects from **years two or three** of a TIP to the first year, or to change the **funding source** of a project, without going through the formal amendment process. The regulations refer to these actions as "project selection actions". DVRPC and its member agencies define these types of actions as TIP modifications. Also included in the modifications category are project **cost changes** if they do not represent a significant change in project scope.

Federal regulations permit modifications to be made in an expedited manner if agreements exist between the participating agencies. DVRPC and its member agencies recognize that some modifications should be based on a formal action of the DVRPC Board. In many other cases, they can be handled through an interagency memorandum of understanding which establishes less formal administrative procedures.

This Memorandum of Understanding establishes such expedited procedures as permitted by the federal regulations. In general, these procedures specify how changes can be made without formal action by the DVRPC Board. Instead, authority is either granted to the implementing agency, delegated to the DVRPC Executive Director or delegated to the RTC, based on specific conditions. The details of these procedures are described below:

A. Modifications Not Requiring Action by DVRPC

1. When there is a cost increase to the engineering or right-of-way phase of a project listed in the approved TIP/STIP that is less than or equal to \$500,000; or when there is a cost increase to the construction phase that is less than or equal to \$1 million.
2. When a project is listed in an approved TIP/STIP without a right-of-way phase and an incidental ROW need is discovered during the design phase. Such ROW purchase may be authorized under either the design or construction phases of the project without modifying the TIP/STIP. Incidental ROW is the purchase of a minor piece of property (including utility relocation) that does not involve the taking of any environmentally sensitive property or residential/business structure(s).
3. When either PennDOT or SEPTA deems it appropriate to shift project funding between certain categories in accordance with available resources. These funding categories are limited to: for highway projects: National Highway System (NHS), Interstate Maintenance (IM), Bridge (BR), and Statewide Surface Transportation Program (STP); and, for transit projects: Section 5309 (formerly Section 3) and Section 5307 (formerly Section 9).
4. When either PennDOT or SEPTA need to add certain types of projects to the TIP/STIP that do not require formal action by the MPO as exempted under ISTEA. These include

the addition of safety projects funded under 23 U.S.C. 402 and the addition of federal Emergency Relief projects (except those involving substantial functional, locational and capacity changes).

Under any of these circumstances, PennDOT or SEPTA will inform DVRPC of the action taken.

B. Modifications Allowed Under Administrative Action by DVRPC

The Executive Director, upon consultation with the affected county or counties, may process a proposed modification to the TIP by administrative action (within 5 working days):

1. When a project sponsor wants to advance a project phase listed in the second or third year on the approved TIP/STIP (i.e., for the FY97 TIP: the years FY98 or FY99), unless there is a formal record of opposition to the project by a public interest group.
2. When a cost increase to the engineering or right-of-way phase of a project listed on the approved TIP/STIP is between \$500,000 and \$1 million, and the modification proposes to use funds only from other projects on the TIP/STIP that cannot be authorized that fiscal year due to scheduling or other delays.
3. When a cost increase to the construction phase is between \$1 million and \$5 million, and the modification proposes to use funds only from other projects on the TIP/STIP that cannot be authorized that fiscal year due to scheduling or other delays.
4. When the modification involves a 100% state funded project that is not considered regionally significant under the conformity guidelines.

DVRPC will notify its member agencies following such administrative action.

C. Modifications Requiring Formal Action by DVRPC

All other changes to the TIP not covered above will be submitted to the RTC for their review and resolution. The RTC may, at its discretion, recommend full DVRPC Board action. Any changes under this section should go to the RTC before going to the Board, except in the case when the delay would cause the actual loss of federal funding or obligation authority.

TIP MANAGEMENT QUARTERLY REPORTS

In order to better manage the TIP/STIP and provide decision makers with timely and accurate information about projects, PennDOT has established, in consultation with DVRPC, a series of reports. DVRPC will present these reports to the RTC and Board during the month following the end of each quarter.

1. PennDOT will provide a TIP Management Report to the MPO at the beginning of each federal fiscal year. This plan will list all projects programmed in the first year of the TIP showing the most recent estimates for project schedule and cost.
2. The TIP Management Report will identify the region's target of the statewide obligation amount for that year.
3. PennDOT will provide to the MPO a multi-part Quarterly Updates to the TIP Management Report at the end of each quarter for distribution to the RTC. Subreports will include lists of actual obligations (differentiating between those for current TIP projects and those for projects authorized under prior TIPs), lists of projects in the current year of the TIP (indicating those that may be obligated this year and those that likely will not be based on letting schedules), and lists of construction phases that could be obligated this year but that are not in the current year of the TIP. Updated costs and schedules will be shown compared with TIP/STIP programmed costs and schedules.
4. PennDOT will provide a companion quarterly report that includes a list of all projects whose let date has moved from the current fiscal year to a later year, with reasons for the change.
5. DVRPC will compile a TIP Management Summary Report from the PennDOT quarterly reports for distribution to the RTC and DVRPC Board.

MEETINGS

1. The Pennsylvania Subcommittee of the RTC will hold a Beginning of the Year meeting to review all obligation activity for the previous year and current project costs and schedules, and to identify and explain all projects that were programmed for the current fiscal year in the TIP but which can not be obligated according to that schedule because of project delays.
2. A Mid-Year meeting (April) will be held to review the status of all projects on the TIP. Program costs for projects obligated to date plus funds obligated for work orders, etc. will be compared with the District obligation authority. To ensure that all District obligation authority will be consumed, recommendations for TIP amendments or modifications will be developed.
3. At the 4th quarter meeting (October), the obligation record for the previous year will be reviewed and compared against the initial and mid-year revised programs. All charges against the District's obligation authority will be identified.
4. Other meetings of the Pennsylvania Subcommittee may be called from time to time by DVRPC as necessary to insure the proper development and management of the TIP and expedite the implementation of the region's projects.

We, the undersigned, agree to use the above procedures to amend and modify the Delaware Valley Regional Planning Commission (DVRPC) Transportation Improvement Program (TIP) and the Statewide Transportation Improvement Program (STIP).

Mr. Colin Hanna
**Chairman,
for DVRPC**

Date _____

Hon. Bradley Mallory
**Secretary,
for PennDOT**

Date _____

Mr. John K. Leary Jr.
**General Manager,
for SEPTA**

Date _____

**FY 2001 Transportation Improvement Program
for Southwestern New Jersey and Southeastern Pennsylvania**

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ABSTRACT

This document contains a listing of all transit, highway, bridge, bicycle, pedestrian, and multimodal projects in the Pennsylvania Subregion which will seek federal funding in fiscal years 2001 to 2004. This volume also contains the following three appendices: (a) Financial Guidance used in developing the program, (b) documentation on the air quality conformity finding, and (c) Memorandum of Understanding on Procedures to Amend and Modify the TIP.

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