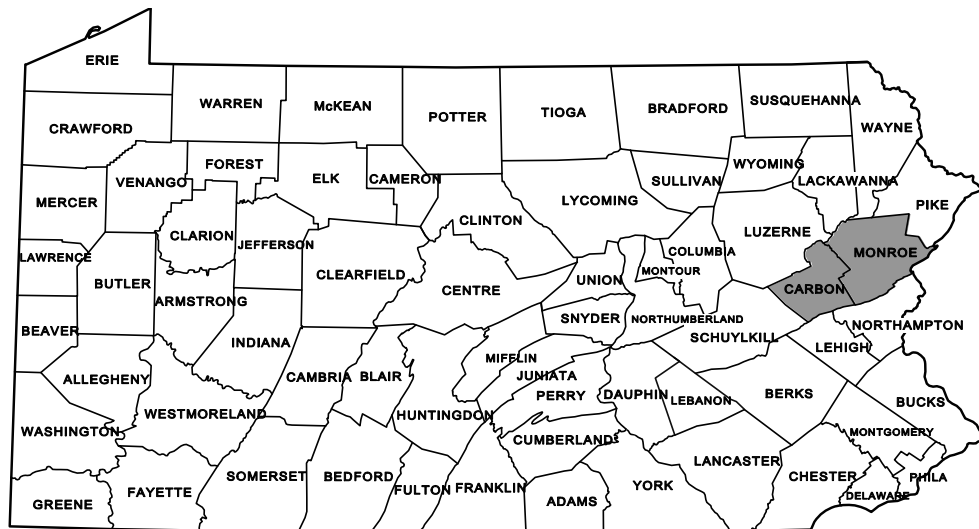


**AIR QUALITY
CONFORMITY ANALYSIS REPORT
FOR THE NEPA RPO PORTION OF THE
SCRANTON-WILKES-BARRE OZONE MAINTENANCE AREA
(MONROE COUNTY)
AND THE
ALLENTOWN-BETHLEHEM-EASTON OZONE MAINTENANCE AREA
(CARBON COUNTY)
FOR THE 8-HOUR OZONE NAAQS**

VOLUME II – TECHNICAL ANALYSIS

FFY 2011-2014 TIP and 2011-2022 12-Year Transportation Program



Prepared by:
Pennsylvania Department of Transportation

DRAFT

PUBLIC REVIEW: June 17, 2010 through 10:00 AM July 20, 2010

PLANNING PARTNER APPROVAL:

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OZONE CONFORMITY
CARBON COUNTY**

**2015 TIP
Summer Weekday Emission Summary
CARBON COUNTY**

	Vehicle Mile of Travel (VMT)	Vehicle Hours of Travel (VHT)	Average Speed (mph)	VOC Emissions (kg/day)	NOX Emissions (kg/day)
Rural					
Interstate	1,125,261	17,388	64.71	571.80	1,576.10
Other Prin. Art.	71,017	1,435	49.49	40.50	54.00
Minor Arterials	181,059	5,794	31.25	115.70	121.70
Major Collectors	315,456	8,489	37.16	192.10	221.20
Minor Collectors	61,934	1,622	38.18	37.60	42.60
Local	151,816	4,783	31.74	143.50	110.90
Small Urban					
Interstate					
Expressway					
Other Prin. Art.					
Minor Arterials	15,965	608	26.26	10.70	10.70
Collector	11,403	481	23.71	7.80	8.00
Local					
Urban					
Interstate	142,880	2,385	59.91	74.90	175.70
Expressway	80,272	1,355	59.24	45.60	60.40
Other Prin. Art.	145,506	3,201	45.46	85.40	100.80
Minor Arterials	125,704	4,345	28.93	82.40	83.40
Collector	80,469	2,945	27.32	52.90	58.10
Local	54,314	3,109	17.47	51.60	38.00
Off Network Emission Benefits				0.00	0.00
COUNTY TOTAL	2,563,056	57,940	44.24	1,512.50	2,661.60

**2018 TIP
Summer Weekday Emission Summary
CARBON COUNTY**

	Vehicle Mile of Travel (VMT)	Vehicle Hours of Travel (VHT)	Average Speed (mph)	VOC Emissions (kg/day)	NOX Emissions (kg/day)
Rural					
Interstate	1,226,047	18,965	64.65	503.00	1,219.50
Other Prin. Art.	70,791	1,430	49.50	32.30	41.60
Minor Arterials	181,271	5,801	31.25	93.30	96.10
Major Collectors	315,909	8,502	37.16	154.60	173.20
Minor Collectors	61,971	1,623	38.18	30.20	33.30
Local	151,789	4,782	31.74	118.80	86.20
Small Urban					
Interstate					
Expressway					
Other Prin. Art.					
Minor Arterials	16,533	632	26.16	9.00	8.80
Collector	11,814	501	23.58	6.60	6.50
Local					
Urban					
Interstate	154,102	2,575	59.85	65.00	136.80
Expressway	86,576	1,461	59.26	39.40	50.90
Other Prin. Art.	150,762	3,337	45.18	71.00	82.10
Minor Arterials	130,208	4,587	28.39	69.30	68.60
Collector	83,362	3,097	26.92	44.50	47.00
Local	56,192	3,238	17.35	44.20	30.80
Off Network Emission Benefits				0.00	0.00
COUNTY TOTAL	2,697,327	60,531	44.56	1,281.20	2,081.40

**2025 LRP
Summer Weekday Emission Summary
CARBON COUNTY**

	Vehicle Mile of Travel (VMT)	Vehicle Hours of Travel (VHT)	Average Speed (mph)	VOC Emissions (kg/day)	NOX Emissions (kg/day)
Rural					
Interstate	1,521,161	23,689	64.21	465.70	855.50
Other Prin. Art.	70,669	1,426	49.56	24.10	28.50
Minor Arterials	181,688	5,816	31.24	71.20	68.70
Major Collectors	316,601	8,521	37.16	117.00	121.80
Minor Collectors	62,124	1,627	38.18	22.90	23.50
Local	153,615	4,840	31.74	97.10	60.10
Small Urban					
Interstate					
Expressway					
Other Prin. Art.					
Minor Arterials	17,559	675	26.01	7.30	6.60
Collector	12,541	536	23.40	5.40	4.90
Local					
Urban					
Interstate	180,597	3,029	59.62	56.90	94.50
Expressway	101,463	1,713	59.23	34.40	41.90
Other Prin. Art.	160,111	3,588	44.62	56.70	61.80
Minor Arterials	138,243	5,083	27.20	57.10	52.70
Collector	88,502	3,410	25.95	36.70	34.90
Local	59,742	3,522	16.96	37.90	23.00
Off Network Emission Benefits				0.00	0.00
COUNTY TOTAL	3,064,616	67,475	45.42	1,090.40	1,478.40

**2035 LRP
Summer Weekday Emission Summary
CARBON COUNTY**

	Vehicle Mile of Travel (VMT)	Vehicle Hours of Travel (VHT)	Average Speed (mph)	VOC Emissions (kg/day)	NOX Emissions (kg/day)
Rural					
Interstate	2,040,521	33,202	61.46	605.30	833.30
Other Prin. Art.	70,634	1,424	49.60	23.40	24.90
Minor Arterials	182,438	5,841	31.23	69.60	62.00
Major Collectors	317,856	8,557	37.15	114.30	108.60
Minor Collectors	62,338	1,633	38.17	22.30	21.00
Local	152,763	4,813	31.74	94.50	52.20
Small Urban					
Interstate					
Expressway					
Other Prin. Art.					
Minor Arterials	18,854	730	25.83	7.70	6.40
Collector	13,471	582	23.15	5.70	4.70
Local					
Urban					
Interstate	221,736	3,779	58.68	67.60	88.50
Expressway	124,579	2,105	59.18	41.00	45.70
Other Prin. Art.	172,033	3,955	43.50	59.60	59.50
Minor Arterials	148,467	5,928	25.05	61.30	51.60
Collector	95,026	4,028	23.59	39.40	33.40
Local	64,110	3,866	16.58	39.80	21.80
Off Network Emission Benefits					
				0.00	0.00
COUNTY TOTAL	3,684,826	80,443	45.81	1,251.50	1,413.60

**TABLES
OZONE CONFORMITY
MONROE COUNTY**

**2015 TIP
Summer Weekday Emission Summary
MONROE COUNTY**

	Vehicle Mile of Travel (VMT)	Vehicle Hours of Travel (VHT)	Average Speed (mph)	VOC Emissions (kg/day)	NOX Emissions (kg/day)
Rural					
Interstate	1,097,183	17,337	63.29	446.40	1,543.40
Other Prin. Art.	430,501	8,124	52.99	187.40	352.10
Minor Arterials	821,659	19,169	42.86	383.80	514.40
Major Collectors	240,633	5,413	44.45	111.30	153.20
Minor Collectors	220,199	5,498	40.05	104.00	139.60
Local	526,470	15,993	32.92	402.60	351.60
Small Urban					
Interstate	869,442	29,423	29.55	427.90	971.80
Expressway					
Other Prin. Art.	289,106	7,086	40.80	133.40	218.20
Minor Arterials	865,147	30,724	28.16	452.20	525.50
Collector	307,755	8,860	34.74	150.80	190.50
Local	157,936	4,846	32.59	121.00	100.70
Urban					
Interstate					
Expressway					
Other Prin. Art.					
Minor Arterials					
Collector					
Local					
Off Network Emission Benefits					
COUNTY TOTAL	5,826,031	152,473	38.21	2,920.80	5,061.00

**2018 TIP
Summer Weekday Emission Summary
MONROE COUNTY**

	Vehicle Mile of Travel (VMT)	Vehicle Hours of Travel (VHT)	Average Speed (mph)	VOC Emissions (kg/day)	NOX Emissions (kg/day)
Rural					
Interstate	1,198,588	19,275	62.18	400.40	1,172.50
Other Prin. Art.	434,317	8,210	52.90	153.80	265.80
Minor Arterials	829,704	19,133	43.37	314.60	404.90
Major Collectors	242,824	5,463	44.45	91.20	120.20
Minor Collectors	222,482	5,552	40.07	85.60	109.30
Local	531,723	16,154	32.92	343.00	274.40
Small Urban					
Interstate	961,699	44,660	21.53	435.10	761.70
Expressway					
Other Prin. Art.	315,464	9,060	34.82	124.10	181.50
Minor Arterials	967,910	39,410	24.56	434.80	468.10
Collector	344,327	10,126	34.00	138.60	166.40
Local	176,677	5,439	32.48	114.10	87.80
Urban					
Interstate					
Expressway					
Other Prin. Art.					
Minor Arterials					
Collector					
Local					
Off Network Emission Benefits				0.00	0.00
COUNTY TOTAL	6,225,715	182,482	34.12	2,635.30	4,012.60

**2025 LRP
Summer Weekday Emission Summary
MONROE COUNTY**

	Vehicle Mile of Travel (VMT)	Vehicle Hours of Travel (VHT)	Average Speed (mph)	VOC Emissions (kg/day)	NOX Emissions (kg/day)
Rural					
Interstate	1,491,072	31,109	47.93	416.70	799.00
Other Prin. Art.	442,612	8,397	52.71	124.10	177.70
Minor Arterials	846,576	19,580	43.24	256.30	297.20
Major Collectors	247,788	5,578	44.42	74.20	87.50
Minor Collectors	226,988	5,671	40.03	69.90	79.20
Local	542,787	16,493	32.91	296.70	195.20
Small Urban					
Interstate	1,175,039	109,010	10.78	630.10	579.50
Expressway					
Other Prin. Art.	390,881	18,911	20.67	151.80	156.10
Minor Arterials	1,198,320	68,347	17.53	520.50	441.90
Collector	426,601	13,868	30.76	142.10	149.10
Local	218,908	6,799	32.20	119.90	77.20
Urban					
Interstate					
Expressway					
Other Prin. Art.					
Minor Arterials					
Collector					
Local					
Off Network Emission Benefits				0.00	0.00
COUNTY TOTAL	7,207,572	303,763	23.73	2,802.30	3,039.60

**2035 LRP
Summer Weekday Emission Summary
MONROE COUNTY**

	Vehicle Mile of Travel (VMT)	Vehicle Hours of Travel (VHT)	Average Speed (mph)	VOC Emissions (kg/day)	NOX Emissions (kg/day)
Rural					
Interstate	1,991,493	82,707	24.08	660.40	781.50
Other Prin. Art.	453,795	8,652	52.45	124.20	153.10
Minor Arterials	869,676	20,198	43.06	257.90	275.60
Major Collectors	254,543	5,734	44.39	74.50	80.60
Minor Collectors	233,159	5,833	39.97	70.20	72.80
Local	557,530	16,945	32.90	299.30	176.60
Small Urban					
Interstate	1,445,222	200,978	7.19	981.80	592.00
Expressway					
Other Prin. Art.	502,734	40,790	12.32	254.10	182.30
Minor Arterials	1,542,456	136,259	11.32	875.30	558.40
Collector	553,721	22,599	24.50	203.10	177.60
Local	284,142	8,989	31.61	153.00	89.60
Urban					
Interstate					
Expressway					
Other Prin. Art.					
Minor Arterials					
Collector					
Local					
Off Network Emission Benefits					
				0.00	0.00
COUNTY TOTAL	8,688,471	549,684	15.81	3,953.80	3,140.10

APPENDICES

APPENDIX A1

**CARBON COUNTY/MONROE COUNTY
TRANSPORTATION IMPROVEMENT PROGRAM
FOR HIGHWAYS**

Carbon

MPMS #: 75572

Municipality:

Title: Highway Reserve Line Item

Route:

Section:

A/Q Status: Exempt

Improvement Type: Reconstruct

Exempt Code: Pavement resurfacing and/or rehabilitation

Est. Let Date:

Actual Let Date:

Geographic Limits: Schuylkill, Carbon & Monroe

Narrative: Highway Reserve Line Item 2009-2010
Schuylkill, Carbon & Monroe

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	STP	\$0	\$0	\$0	\$50	\$39,967	\$0
CON	581	\$35	\$203	\$202	\$2,395	\$10,710	\$0
		\$35	\$203	\$202	\$2,445	\$50,677	\$0
Total FY 2011-2014 Cost		\$2,885					

MPMS #: 75574

Municipality:

Title: Enhancement Line Item

Route:

Section:

A/Q Status: Exempt

Improvement Type: Transportation Enhancement

Exempt Code: Trns enhnc acts (excpt rehab, opr. of hist. trans)

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe & Schuylkill

Narrative: Enhancement Line Item 2009-2010
Carbon, Monroe & Schuylkill

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	STE	\$189	\$705	\$733	\$763	\$3,368	\$0
		\$189	\$705	\$733	\$763	\$3,368	\$0
Total FY 2011-2014 Cost		\$2,390					

MPMS #: 75575

Municipality:

Title: Rail/Hwy Reserve LI

Route:

Section:

A/Q Status: Exempt

Improvement Type: RR Warning Devices

Exempt Code: Railroad/highway crossing

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe & Schuylkill Counties

Narrative: RR Warning Devices
High Type Surfaces
Carbon, Monroe & Schuylkill Counties

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	RRX	\$85	\$86	\$89	\$93	\$410	\$0
		\$85	\$86	\$89	\$93	\$410	\$0
Total FY 2011-2014 Cost		\$353					

Carbon

MPMS #: 75578

Municipality:

Title: Safety Line Item Reserve

Route:

Section:

A/Q Status: Exempt

Improvement Type: Safety Improvement

Exempt Code: Safety improvement program

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe & Schuylkill Counties

Narrative: Safety Funds 2007-2008 Line Item
Carbon, Monroe & Schuylkill Counties

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	HSIP	\$1	\$0	\$0	\$0	\$9,209	\$0
		\$1	\$0	\$0	\$0	\$9,209	\$0
Total FY 2011-2014 Cost				\$1			

MPMS #: 82784

Municipality:

Title: CMAQ Line Item Reserve

Route:

Section:

A/Q Status: Exempt

Improvement Type: Corridor Safety Improvement

Exempt Code: Safety improvement program

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe and Schuylkill Counties

Narrative: NEPA 2011_2012 CMAQ Line item
Carbon, Monroe and Schuylkill Counties

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	CAQ	\$1,067	\$53	\$171	\$302	\$5,760	\$0
		\$1,067	\$53	\$171	\$302	\$5,760	\$0
Total FY 2011-2014 Cost				\$1,594			

MPMS #: 82790

Municipality:

Title: Urban Line Item Reserve

Route:

Section:

A/Q Status: Exempt

Improvement Type: Restoration

Exempt Code: Pavement resurfacing and/or rehabilitation

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe, Schuylkill Counties.

Narrative: NEPA 2011_2012 Urban Line Item
Carbon, Monroe, Schuylkill Counties.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	STU	\$138	\$139	\$145	\$151	\$665	\$0
		\$138	\$139	\$145	\$151	\$665	\$0
Total FY 2011-2014 Cost				\$573			

Carbon

MPMS #: 82797

Municipality:

Title: Bridge Reserve Line Item

Route:

Section:

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe, and Schuylkill Counties

Narrative: NEPA 2011_2012 Bridge Line Item
Carbon, Monroe, and Schuylkill Counties

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	BOO	\$21	\$33	\$91	\$0	\$44,622	\$0
CON	185	\$68	\$603	\$579	\$368	\$11,605	\$0
		\$88	\$635	\$670	\$368	\$56,228	\$0
Total FY 2011-2014 Cost		\$1,762					

MPMS #: 84071

Municipality:

Title: Bond Line Item_NEPA

Route:

Section:

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe, and Schuylkill Counties

Narrative: Bond Line Item Reserve
Carbon, Monroe, and Schuylkill Counties

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	BND	\$11	\$50	\$0	\$0	\$7,728	\$0
		\$11	\$50	\$0	\$0	\$7,728	\$0
Total FY 2011-2014 Cost		\$60					

MPMS #: 64375

Municipality:

Title: Betterment LI -NHS Rts

Route:

Section:

A/Q Status: Exempt

Improvement Type: Restoration

Exempt Code: Pavement resurfacing and/or rehabilitation

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe and Schuylkill Counties

Narrative: Carbon, Monroe and Schuylkill Counties
NEPA region - District 5
Line Item for Betterments - NHS Routes

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	NHS	\$0	\$0	\$0	\$6,261	\$0	\$0
		\$0	\$0	\$0	\$6,261	\$0	\$0
Total FY 2011-2014 Cost		\$6,261					

Carbon

MPMS #: 64506

Municipality:

Title: Betterment LI-Non NHS Rts

Route:

Section:

A/Q Status: Exempt

Improvement Type: Restoration

Exempt Code: Pavement resurfacing and/or rehabilitation

Est. Let Date:

Actual Let Date:

Geographic Limits: SCHUYLKILL, CARBON, AND MONROE COUNTIES

Narrative: SCHUYLKILL, MONROE, CARBON CO.
NEPA- District 5
Betterment Line Item - Non NHS Routes

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	STP	\$0	\$0	\$2,417	\$0	\$0	\$0
		\$0	\$0	\$2,417	\$0	\$0	\$0
Total FY 2011-2014 Cost				\$2,417			

MPMS #: 82730

Municipality:

Title: Act 44 Line Item_NEPA

Route:

Section: A44

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe, & Schuylkill Counties

Narrative: Act 44 Line Item Reserve
Carbon, Monroe, & Schuylkill Counties County

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	916	\$18	\$0	\$19	\$4	\$14,748	\$0
		\$18	\$0	\$19	\$4	\$14,748	\$0
Total FY 2011-2014 Cost				\$42			

MPMS #: 83087

Municipality:

Title: Delivery_Conult Assist

Route:

Section: DCA

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: "Not Rgnlly Significant" - do not fit exempt ctgry

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe, and Schuylkill Counties

Narrative: Carbon, Monroe, and Schuylkill Counties
Consultant assistance in project delivery and construction

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
PE	581	\$0	\$150	\$0	\$150	\$0	\$0
		\$0	\$150	\$0	\$150	\$0	\$0
Total FY 2011-2014 Cost				\$300			

Carbon

MPMS #: 65121

Municipality: Nesquehoning (Boro)

Title: PA 54 S Curve

Route: 54

Section: 002

A/Q Status: Exempt

Improvement Type: Safety Improvement

Exempt Code: Changes in vertical and horizontal alignment

Est. Let Date: 10/13/2011

Actual Let Date:

Geographic Limits: SCHUYLKILL COUNTY LINE TO TIPPETS ST., □ □ BOROUGH OF NESQUEHONING

Narrative: SR 54 realignment of curves, highway restoration Seg 10/2096-Seg 30/0017 from Schuylkill County line to Tippetts Street in the Village of Hauto, Borough of Nesquehoning

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	STN	\$0	\$2,920	\$0	\$0	\$0	\$0
		\$0	\$2,920	\$0	\$0	\$0	\$0
Total FY 2011-2014 Cost		\$2,920					

MPMS #: 86310

Municipality:

Title: PackertonYards Bus Park

Route: 209

Section: 0

A/Q Status: Exempt

Improvement Type: Safety Improvement

Exempt Code: Railroad/highway crossing

Est. Let Date: 10/07/2010

Actual Let Date:

Geographic Limits: Railroad Crossing project at the Packerton Yards Business Park, Mahoning Township & Lehighon Borough (20'

Narrative: Railroad Crossing upgrade to provide access to Packerton Yards Business Park, off of SR 209, Mahoning Township & Lehighon Borough, Carbon County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	STP	\$425	\$0	\$0	\$0	\$0	\$0
		\$425	\$0	\$0	\$0	\$0	\$0
Total FY 2011-2014 Cost		\$425					

Carbon

MPMS #: 11080

Municipality:

Title: McCall Bridge

Route: 209

Section: 10B

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 12/05/2013

Actual Let Date:

Geographic Limits: SR 209 Over Lehigh River Lehighton BoroughCarbon County

Narrative: Rehabilitation of the Thomas J. McCall Memorial Bridge carrying State Route 209 (Bridge Street) over the Lehigh River in Lehighton Borough

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	BOO	\$1,500	\$1,412	\$0	\$0	\$0	\$0
FD	185	\$375	\$353	\$0	\$0	\$0	\$0
UTL	BOO	\$100	\$108	\$0	\$0	\$0	\$0
UTL	185	\$25	\$27	\$0	\$0	\$0	\$0
ROW	BOO	\$100	\$108	\$0	\$0	\$0	\$0
ROW	185	\$25	\$27	\$0	\$0	\$0	\$0
CON	BOO	\$0	\$0	\$0	\$13,600	\$0	\$0
CON	185	\$0	\$0	\$0	\$3,400	\$0	\$0
		\$2,125	\$2,035	\$0	\$17,000	\$0	\$0

Total FY 2011-2014 Cost \$21,160

MPMS #: 88389

Municipality:

Title: SR443 Roadway Restoration

Route: 443

Section: 0

A/Q Status: Exempt

Improvement Type: Restoration

Exempt Code: Pavement resurfacing and/or rehabilitation

Est. Let Date:

Actual Let Date:

Geographic Limits: SR 443 from western limits of Lehighton to SR 209 at McCall's BridgeCarbon County

Narrative: SR 443 from western limits of Lehighton to SR 209 at McCall's Bridge Highway Restoration

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
PE	CAQ	\$260	\$0	\$0	\$0	\$0	\$0
PE	581	\$65	\$0	\$0	\$0	\$0	\$0
FD	CAQ	\$0	\$270	\$0	\$0	\$0	\$0
FD	581	\$0	\$68	\$0	\$0	\$0	\$0
UTL	CAQ	\$0	\$108	\$0	\$0	\$0	\$0
UTL	581	\$0	\$27	\$0	\$0	\$0	\$0
ROW	CAQ	\$0	\$100	\$170	\$0	\$0	\$0
ROW	581	\$0	\$25	\$43	\$0	\$0	\$0
CON	CAQ	\$0	\$0	\$0	\$1,500	\$3,440	\$0
CON	581	\$0	\$0	\$0	\$375	\$860	\$0
		\$325	\$598	\$213	\$1,875	\$4,299	\$0

Total FY 2011-2014 Cost \$3,011

Carbon

MPMS #: 66296

Municipality: Mahoning (Twp)

Title: 443 Widening

Route: 443

Section: 000

A/Q Status: Exempt

Improvement Type: Safety Improvement

Exempt Code: Actvtys not leading to constr. (plan & tech study)

Est. Let Date:

Actual Let Date:

Geographic Limits: SR 443 from Carbon Plaza Mall to Thomas J. McCall Memorial Bridge □ □ Borough of Lehigh and Mahoning

Narrative: SR 443 from Carbon Plaza Mall to Thomas J. McCall Memorial Bridge
Borough of Lehigh and Mahoning Township, Carbon County
Widening/Safety

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
STUDY	SXF	\$801	\$0	\$0	\$0	\$0	\$0
STUDY	LOC	\$200	\$0	\$0	\$0	\$0	\$0
		\$1,001	\$0	\$0	\$0	\$0	\$0

Total FY 2011-2014 Cost \$1,001

MPMS #: 11129

Municipality: Jim Thorpe (Boro)

Title: Jim Thorpe Bridge

Route: 903

Section: 03B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 12/16/2012

Actual Let Date:

Geographic Limits: SR 903 over Lehigh River : Jim Thorpe Borough :

Narrative: Bridge Replacement of Jim Thorpe Bridge which carries SR 903 over the Lehigh River in Jim Thorpe Borough, Carbon County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	BOO	\$1,000	\$830	\$0	\$0	\$0	\$0
FD	185	\$250	\$208	\$0	\$0	\$0	\$0
UTL	BOO	\$0	\$166	\$0	\$0	\$0	\$0
UTL	185	\$0	\$42	\$0	\$0	\$0	\$0
ROW	BOO	\$0	\$500	\$473	\$0	\$0	\$0
ROW	185	\$0	\$125	\$118	\$0	\$0	\$0
CON	BOO	\$0	\$0	\$9,600	\$6,898	\$4,096	\$0
CON	185	\$0	\$0	\$2,400	\$1,725	\$1,024	\$0
		\$1,250	\$1,871	\$12,592	\$8,623	\$5,120	\$0

Total FY 2011-2014 Cost \$24,335

Carbon

MPMS #: 84887

Municipality: Penn Forest (Twp)

Title: 903/Turnpk-EZPass Interch

Route: 903

Section: EZP

A/Q Status: Significant

Improvement Type: New Interchange

Est. Let Date:

Actual Let Date:

Geographic Limits: SR 903 & I-476 □□Penn Forest Township□□Carbon County

Narrative: SR 903 Interchange at I-476 (Turnpike Northeast Extension)
Penn Forrest Township
Carbon County

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	LOC	\$660	\$500	\$0	\$0	\$0	\$0
CON	LOC	\$330	\$2,500	\$26,300	\$500	\$0	\$0
		\$990	\$3,000	\$26,300	\$500	\$0	\$0

Total FY 2011-2014 Cost \$30,790

MPMS #: 80074

Municipality: Jim Thorpe (Boro)

Title: NEPA Br Review/Mnmgt

Route: 903

Section: SBC

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: "Not Rgnlly Significant" - do not fit exempt ctgry

Est. Let Date:

Actual Let Date:

Geographic Limits: Various locations in Carbon, Monroe, and Schuylkill

Narrative: Various locations in Carbon, Monroe, and Schuylkill Counties.
State Bridge Review

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
PE	BOO	\$400	\$0	\$400	\$0	\$0	\$0
PE	185	\$100	\$0	\$100	\$0	\$0	\$0
		\$500	\$0	\$500	\$0	\$0	\$0

Total FY 2011-2014 Cost \$1,000

MPMS #: 79024

Municipality: Towamensing (Twp)

Title: Wild Creek Bridge I

Route: 1001

Section: 01B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 08/04/2011

Actual Let Date:

Geographic Limits: SR 1001 over Wild Creek □□Towamensing Twp □□Carbon County

Narrative: Rehabilitation of Wild Creek Bridge that carries SR 1001 over Wild Creek in
Towamensing Township, Carbon County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	916	\$2,744	\$0	\$0	\$0	\$0	\$0
		\$2,744	\$0	\$0	\$0	\$0	\$0

Total FY 2011-2014 Cost \$2,744

Carbon

MPMS #: 79028

Municipality: Penn Forest (Twp)

Title: Wild Creek Bridge II

Route: 1001

Section: 02B

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/30/2010

Actual Let Date:

Geographic Limits: SR 1001 over Wild Creek Penn Forest Twp Carbon County

Narrative: Rehabilitation of Wild Creek Bridge that carries SR 1001 over Wild Creek in Penn Forest Twp, Carbon County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	916	\$450	\$0	\$0	\$0	\$0	\$0
		\$450	\$0	\$0	\$0	\$0	\$0
Total FY 2011-2014 Cost				\$450			

MPMS #: 76366

Municipality: Franklin (Twp)

Title: Harrity Road Bridge

Route: 2007

Section: 01B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/30/2010

Actual Let Date:

Geographic Limits: SR 2007 (Harrity Road) over Pohopoco Creek Franklin Township, Carbon County

Narrative: Replacement of the bridge carrying SR 2007 (Harrity Road) over Pohopoco Creek in Franklin Township, Carbon County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	185	\$752	\$0	\$0	\$0	\$0	\$0
		\$752	\$0	\$0	\$0	\$0	\$0
Total FY 2011-2014 Cost				\$752			

MPMS #: 11073

Municipality: Lehigh (Twp)

Title: Rockport Bridge I

Route: 4014

Section: 01B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/16/2010

Actual Let Date:

Geographic Limits: SR 4014, Rockport Road, over Indian Creek Lehigh Township

Narrative: Replacement of Rockport Bridge I that carries SR 4014 (Rockport Road) over tributary to Indian Run Lehigh Township, Rockport Borough, Carbon County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	916	\$787	\$0	\$0	\$0	\$0	\$0
		\$787	\$0	\$0	\$0	\$0	\$0
Total FY 2011-2014 Cost				\$787			

Carbon

MPMS #: 11853

Municipality: Lehigh (Twp)

Title: Rockport Bridge II

Route: 4014

Section: 02B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/16/2010

Actual Let Date:

Geographic Limits: SR 4014 over Buck Mountain Creek Lehigh Township/Rockport Borough Carbon County

Narrative: Replacement of Rockport Bridge that carries SR 4014 (Rockport Road) over Indian Run in Lehigh Township, Carbon County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	916	\$591	\$0	\$0	\$0	\$0	\$0
		\$591	\$0	\$0	\$0	\$0	\$0
Total FY 2011-2014 Cost				\$591			

MPMS #: 69995

Municipality:

Title: Local Br Review Asst NEPA

Route: 7211

Section: LBR

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: "Not Rgnlly Significant" - do not fit exempt ctgry

Est. Let Date:

Actual Let Date:

Geographic Limits: Carbon, Monroe, Schuylkill Counties

Narrative: Bridge Management in the Carbon, Monroe, and Schuylkill Counties

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
PE	BOO	\$0	\$0	\$450	\$0	\$0	\$0
PE	185	\$0	\$0	\$112	\$0	\$0	\$0
		\$0	\$0	\$562	\$0	\$0	\$0
Total FY 2011-2014 Cost				\$562			

Carbon

MPMS #: 11131

Municipality:

Title: T-447, CO BR #16

Route: 7212

Section: 447

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 12/06/2012

Actual Let Date:

Geographic Limits: OVER POHOPOCO CREEK : TOWAMENSING TWP. :

Narrative: Replacement of County Bridge #16 that carries Koch Road (T-447) over the POHOPOCO CREEK in TOWAMENSING TWP., Carbon County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	BOF	\$54	\$0	\$0	\$0	\$0	\$0
FD	179	\$3	\$0	\$0	\$0	\$0	\$0
FD	183	\$10	\$0	\$0	\$0	\$0	\$0
UTL	BOF	\$0	\$87	\$0	\$0	\$0	\$0
UTL	179	\$0	\$5	\$0	\$0	\$0	\$0
UTL	183	\$0	\$16	\$0	\$0	\$0	\$0
ROW	BOF	\$0	\$43	\$0	\$0	\$0	\$0
ROW	183	\$0	\$8	\$0	\$0	\$0	\$0
ROW	179	\$0	\$3	\$0	\$0	\$0	\$0
CON	BOF	\$0	\$0	\$1,080	\$0	\$0	\$0
CON	183	\$0	\$0	\$202	\$0	\$0	\$0
CON	179	\$0	\$0	\$67	\$0	\$0	\$0
		\$68	\$162	\$1,350	\$0	\$0	\$0

Total FY 2011-2014 Cost \$1,580

Monroe

MPMS #: 84047

Municipality: Hamilton (Twp)

Title: 33 over Pocono Crk_Rehab

Route: 33

Section: 02B

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/27/2012

Actual Let Date:

Geographic Limits: SR 33 over Pocono Creek □□Hamilton Township □□Monroe County

Narrative: Bridge Rehabilitation of the bridge that carries State Route 33 over Pocono Creek in Hamilton Township, Monroe County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	BOO	\$0	\$365	\$0	\$0	\$0	\$0
FD	185	\$0	\$91	\$0	\$0	\$0	\$0
UTL	BOO	\$0	\$0	\$51	\$0	\$0	\$0
UTL	185	\$0	\$0	\$13	\$0	\$0	\$0
ROW	BOO	\$0	\$0	\$127	\$0	\$0	\$0
ROW	185	\$0	\$0	\$32	\$0	\$0	\$0
CON	BOO	\$0	\$0	\$500	\$1,395	\$0	\$0
CON	185	\$0	\$0	\$125	\$349	\$0	\$0
		\$0	\$456	\$846	\$1,744	\$0	\$0

Total FY 2011-2014 Cost \$3,047

MPMS #: 11784

Municipality: Stroud (Twp)

Title: Stites Bridge

Route: 191

Section: 03B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/29/2011

Actual Let Date:

Geographic Limits: SR 191 over Broadhead Creek □□Stroud Township □□

Narrative: Replacement of the bridge (Stites Bridge) that carries SR 191 over Broadhead Creek in Stroud Township, Monroe County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	BOO	\$0	\$550	\$817	\$0	\$0	\$0
CON	185	\$0	\$138	\$204	\$0	\$0	\$0
		\$0	\$688	\$1,021	\$0	\$0	\$0

Total FY 2011-2014 Cost \$1,709

Monroe

MPMS #: 88934

Municipality: Chestnuthill (Twp)

Title: SR 209/715 Intersection

Route: 209

Section: 0

A/Q Status: Exempt

Improvement Type: Intersection Improvement

Exempt Code: Intersection signalization prjcts at ind. inters.

Est. Let Date: 05/16/2013

Actual Let Date:

Geographic Limits: Intersection of SR 209 and 715 in Monroe County

Narrative: Intersection Improvements to add left turning lanes at SR 209 and Rt 715 in Monroe County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
PE	CAQ	\$62	\$0	\$0	\$0	\$0	\$0
PE	581	\$16	\$0	\$0	\$0	\$0	\$0
FD	CAQ	\$0	\$65	\$0	\$0	\$0	\$0
FD	581	\$0	\$16	\$0	\$0	\$0	\$0
UTL	CAQ	\$0	\$143	\$0	\$0	\$0	\$0
UTL	581	\$0	\$36	\$0	\$0	\$0	\$0
ROW	CAQ	\$0	\$87	\$0	\$0	\$0	\$0
ROW	581	\$0	\$22	\$0	\$0	\$0	\$0
CON	CAQ	\$0	\$0	\$360	\$0	\$0	\$0
CON	581	\$0	\$0	\$90	\$0	\$0	\$0
		\$78	\$368	\$450	\$0	\$0	\$0

Total FY 2011-2014 Cost \$896

Monroe

MPMS #: 88935

Municipality: Chestnuthill (Twp)

Title: Brodheadsville Imp - Ph 1

Route: 209

Section: 0

A/Q Status: Exempt

Improvement Type: Widen

Exempt Code: Intersection signalization prjcts at ind. inters.

Est. Let Date: 05/22/2014

Actual Let Date:

Geographic Limits: SR 209 from Broadheadsville to Route 115 □ □ Monroe County

Narrative: SR 209 - to Route 115
Brodheadsville, Monroe County
Road Widening and Intersection improvements

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
PE	CAQ	\$83	\$0	\$0	\$0	\$0	\$0
PE	581	\$21	\$0	\$0	\$0	\$0	\$0
FD	CAQ	\$0	\$0	\$90	\$0	\$0	\$0
FD	581	\$0	\$0	\$22	\$0	\$0	\$0
UTL	CAQ	\$0	\$0	\$180	\$0	\$0	\$0
UTL	581	\$0	\$0	\$45	\$0	\$0	\$0
ROW	CAQ	\$0	\$0	\$180	\$0	\$0	\$0
ROW	581	\$0	\$0	\$45	\$0	\$0	\$0
CON	CAQ	\$0	\$0	\$0	\$281	\$0	\$0
CON	581	\$0	\$0	\$0	\$70	\$0	\$0
		\$104	\$0	\$562	\$351	\$0	\$0

Total FY 2011-2014 Cost \$1,017

MPMS #: 11796

Municipality: Smithfield (Twp)

Title: Marshalls Creek

Route: 209

Section: 007

A/Q Status: Significant

Improvement Type: New Roadway

Est. Let Date: 04/15/2010

Actual Let Date: 04/01/2010

Geographic Limits: Marshalls Creek : US209/Bus.209/PA402 : Smithfield & Middle Smithfield Townships :

Narrative: US209/Bus.209/PA402, Marshalls Creek
Smithfield and Middle Smithfield Townships
New 209 Bypass

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
ROW	SXF	\$113	\$0	\$0	\$0	\$0	\$0
		\$113	\$0	\$0	\$0	\$0	\$0

Total FY 2011-2014 Cost \$113

Monroe

MPMS #: 79159

Municipality: Barrett (Twp)

Title: SR 447 o/Spruce Cabin Run

Route: 447

Section: 04B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 06/07/2012

Actual Let Date:

Geographic Limits: SR 447 (Creek Road) over Spruce Cabin Run □□Barrett Twp. □□Monroe County

Narrative: Bridge Replacement on State Route 447 (Creek Road) over Spruce Cabin Run in Barrett Township

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
UTL	BND	\$0	\$0	\$112	\$0	\$0	\$0
ROW	BND	\$0	\$0	\$112	\$0	\$0	\$0
CON	BND	\$0	\$0	\$956	\$0	\$0	\$0
		\$0	\$0	\$1,181	\$0	\$0	\$0

Total FY 2011-2014 Cost \$1,181

MPMS #: 74979

Municipality: Pocono (Twp)

Title: 611 Improvemnts Line Item

Route: 611

Section: 0

A/Q Status: Significant

Improvement Type: Safety Improvement

Est. Let Date:

Actual Let Date:

Geographic Limits: INTERSTATE 80 IN MONROE COUNTY

Narrative: I-80
Monroe County
Safety Improvements

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
PE	SXF	\$700	\$0	\$0	\$0	\$0	\$0
PE	LOC	\$175	\$0	\$0	\$0	\$0	\$0
FD	SXF	\$0	\$0	\$650	\$0	\$0	\$0
FD	LOC	\$0	\$0	\$163	\$0	\$0	\$0
UTL	SXF	\$0	\$0	\$500	\$0	\$0	\$0
UTL	LOC	\$0	\$0	\$125	\$0	\$0	\$0
ROW	SXF	\$0	\$0	\$2,000	\$0	\$0	\$0
ROW	LOC	\$0	\$0	\$500	\$0	\$0	\$0
CON	SXF	\$0	\$0	\$0	\$0	\$11,150	\$0
CON	LOC	\$0	\$0	\$0	\$0	\$2,788	\$0
		\$875	\$0	\$3,938	\$0	\$13,938	\$0

Total FY 2011-2014 Cost \$4,813

Monroe

MPMS #: 11800

Municipality: Stroudsburg (Boro)

Title: Seventh Street Bridge

Route: 611

Section: 02B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 12/02/2010

Actual Let Date:

Geographic Limits: SR 611 (Seventh Street) Over I-80 Stroudsburg Borough Monroe County

Narrative: Replacement of the Seventh Street Bridge that carries State Route 611 (Park Avenue) over I 80 in Stroudsburg Borough

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	BOO	\$5,200	\$0	\$0	\$0	\$0	\$0
CON	185	\$1,300	\$0	\$0	\$0	\$0	\$0
		\$6,500	\$0	\$0	\$0	\$0	\$0
Total FY 2011-2014 Cost		\$6,500					

MPMS #: 11817

Municipality: Pocono (Twp)

Title: Scotrun - Swiftwater

Route: 611

Section: 04S

A/Q Status: Significant

Improvement Type: Widen

Est. Let Date: 10/17/2013

Actual Let Date:

Geographic Limits: T-535 TO T-537 : POCONO TOWNSHIP :

Narrative: This project is located on SR 611 in Pocono Township, Monroe County. The project begins at Segment 310 Offset 0000 and ends at Segment 340 Offset 0755.

The existing roadway is four lanes with a mountable curb and breaks in the mountable curb to allow for left hand turns from the passing lane. This project is a safety project and will widen the roadway to allow for tuning lanes at specific locations throughout the corridor. It will improve the safety of the roadway by taking the turning traffic out of the passing lane into a designated turning lane. A traffic signal will be installed at the Brookdale Road intersection with SR611. The bridge near Anthony's Steak House will be replaced with a Reinforced Concrete Box Culvert. Two retaining walls will need to be constructed.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	HSIP	\$801	\$0	\$0	\$0	\$0	\$0
FD	581	\$200	\$0	\$0	\$0	\$0	\$0
ROW	HSIP	\$1,107	\$1,441	\$0	\$0	\$0	\$0
CON	STP	\$0	\$0	\$0	\$6,083	\$15,111	\$0
CON	HSIP	\$0	\$0	\$0	\$715	\$0	\$0
		\$2,108	\$1,441	\$0	\$6,798	\$15,111	\$0
Total FY 2011-2014 Cost		\$10,347					

Monroe

MPMS #: 75846

Municipality: Stroudsburg (Boro)

Title: NEPA 611 Corridor_Phase 2

Route: 611

Section: 13S

A/Q Status: Significant

Improvement Type: Corridor Safety Improvement

Est. Let Date: 08/02/2012

Actual Let Date:

Geographic Limits: Borough of Stroudsburg Stroud Twp. Monroe County

Narrative: Corridor Safety Improvements

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
PE	CAQ	\$208	\$0	\$0	\$0	\$0	\$0
PE	581	\$52	\$0	\$0	\$0	\$0	\$0
FD	CAQ	\$133	\$0	\$0	\$0	\$0	\$0
FD	581	\$33	\$0	\$0	\$0	\$0	\$0
UTL	CAQ	\$42	\$0	\$0	\$0	\$0	\$0
UTL	581	\$10	\$0	\$0	\$0	\$0	\$0
ROW	CAQ	\$52	\$0	\$0	\$0	\$0	\$0
ROW	581	\$13	\$0	\$0	\$0	\$0	\$0
CON	CAQ	\$0	\$1,100	\$851	\$0	\$0	\$0
CON	581	\$0	\$275	\$213	\$0	\$0	\$0
		\$543	\$1,375	\$1,064	\$0	\$0	\$0

Total FY 2011-2014 Cost \$2,982

MPMS #: 11886

Municipality: Tobyhanna (Twp)

Title: PA 940 over Short Run Crk

Route: 940

Section: 04B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/30/2010

Actual Let Date:

Geographic Limits: SR 940 over Tributary of Upper Tunkhannock Creek Tobyhanna Township

Narrative: Bridge Replacement for PA 940 over a tributary of Upper Tunkhannock Creek (Short Run Creek) in Tobyhanna Township, Monroe County

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	916	\$250	\$1,010	\$0	\$0	\$0	\$0
		\$250	\$1,010	\$0	\$0	\$0	\$0

Total FY 2011-2014 Cost \$1,260

Monroe

MPMS #: 11760

Municipality: Hamilton (Twp)

Title: Cherry Creek Bridge I

Route: 2003

Section: 01B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/30/2010

Actual Let Date:

Geographic Limits: SR 2003 over Cherry Creek Hamilton Township Monroe County

Narrative: Replacement of the bridge that carries SR 2003 (Kemmertown Rd) over Cherry Creek in Hamilton Township, Monroe County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	BND	\$390	\$0	\$0	\$0	\$0	\$0
UTL	BND	\$78	\$0	\$0	\$0	\$0	\$0
ROW	BND	\$156	\$0	\$0	\$0	\$0	\$0
CON	BND	\$520	\$520	\$0	\$0	\$0	\$0
		\$1,144	\$520	\$0	\$0	\$0	\$0

Total FY 2011-2014 Cost \$1,664

MPMS #: 47667

Municipality: Hamilton (Twp)

Title: Cherry Creek Bridge II

Route: 2003

Section: 02B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/30/2010

Actual Let Date:

Geographic Limits: SR 2003 (Kemmerton Road) over Cherry Creek Hamilton Township Monroe County

Narrative: Replacement of the bridge that carries SR 2003 (Kemmerton Road) over Cherry Creek in Hamilton Township, Monroe County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	BND	\$390	\$0	\$0	\$0	\$0	\$0
UTL	BND	\$78	\$0	\$0	\$0	\$0	\$0
ROW	BND	\$156	\$0	\$0	\$0	\$0	\$0
CON	BND	\$520	\$624	\$0	\$0	\$0	\$0
		\$1,144	\$624	\$0	\$0	\$0	\$0

Total FY 2011-2014 Cost \$1,768

Monroe

MPMS #: 11880

Municipality: Hamilton (Twp)

Title: SR 2010_Manor Dr Rehab

Route: 2010

Section: 01B

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/29/2011

Actual Let Date:

Geographic Limits: SR 2010 over SR 33 & US 209 □□Hamilton Twp

Narrative: Rehabilitation of the bridge that carries SR 2010 (Manor Drive) over SR 33 and US 209 in Hamilton Township, Monroe County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	BND	\$421	\$0	\$0	\$0	\$0	\$0
UTL	BND	\$57	\$0	\$0	\$0	\$0	\$0
CON	BND	\$580	\$590	\$0	\$0	\$0	\$0
		\$1,058	\$590	\$0	\$0	\$0	\$0
Total FY 2011-2014 Cost		\$1,648					

MPMS #: 79154

Municipality: Stroud (Twp)

Title: SR 2022 over Brodhead CR

Route: 2022

Section: 03B

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 08/02/2012

Actual Let Date:

Geographic Limits: SR 2022 over Brodhead Creek □□Stroud Twp.

Narrative: Rehabilitation of the bridge that carries SR 2022 (Poplar Valley Road) over Brodhead Creek in Stroud Township, Monroe County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	916	\$588	\$0	\$0	\$0	\$0	\$0
UTL	916	\$120	\$0	\$0	\$0	\$0	\$0
ROW	916	\$208	\$0	\$0	\$0	\$0	\$0
CON	916	\$0	\$2,225	\$268	\$0	\$0	\$0
		\$915	\$2,225	\$268	\$0	\$0	\$0
Total FY 2011-2014 Cost		\$3,408					

Monroe

MPMS #: 11751

Municipality: Smithfield (Twp)

Title: 80 Ramp Bridge

Route: 2030

Section: 01B

A/Q Status: Exempt

Improvement Type: Bridge Replacement

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/27/2012

Actual Let Date:

Geographic Limits: SR 2030 over SR 2028 □□Smithfield Township

Narrative: Replacement of bridge that carries SR 2030 (Foxtown Hill Road) over SR 2028 (Broad Street) Smithfield Twp., Monroe County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
FD	BOO	\$333	\$0	\$0	\$0	\$0	\$0
UTL	BOO	\$187	\$0	\$0	\$0	\$0	\$0
ROW	BOO	\$125	\$0	\$0	\$0	\$0	\$0
CON	BOO	\$0	\$0	\$3,000	\$2,220	\$0	\$0
CON	185	\$0	\$0	\$750	\$555	\$0	\$0
		\$645	\$0	\$3,750	\$2,774	\$0	\$0

Total FY 2011-2014 Cost \$7,169

MPMS #: 11883

Municipality: Tunkhannock (Twp)

Title: Long Pond Rd Br over I-80

Route: 4002

Section: 02B

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 09/27/2012

Actual Let Date:

Geographic Limits: SR 4002 (Long Pond Road) over I-80 □□Tunkhannock Twp

Narrative: Bridge Rehabilitation for SR 4002 (Long Pond Road) over Interstate 80 in Tunkhannock Township, Monroe County.

TIP Program Years (\$000)

Phase	Fund	FY 2011	FY 2012	FY 2013	FY 2014	2nd 4 Years	3rd 4 Years
CON	BND	\$0	\$0	\$844	\$0	\$0	\$0
		\$0	\$0	\$844	\$0	\$0	\$0

Total FY 2011-2014 Cost \$844

APPENDIX A2

**CARBON COUNTY/MONROE COUNTY
TRANSPORTATION IMPROVEMENT PROGRAM
FOR TRANSIT**

Carbon County Transit/Lanta

MPMS #: 86991

County: Carbon

A/Q Status: Exempt

Title: ITS Surveillance

Exempt Code: Const. or renov. of power, signal, & comm systems

Short Narrative: ITS van/minibus surveillance.

Long Narrative: Carbon County's fleet of 23 vehicles will have been fitted out with onboard cameras along with a support system for monitoring and review of digital video recordings. This project is for replacement of equipment and upgrades as necessary.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
LOC				\$1
340				\$24
	\$0	\$0	\$0	\$25
Total FY 2011-2014 Cost			\$25	

MPMS #: 86993

County: Carbon

A/Q Status: Exempt

Title: Van/Minibus Purchase (5)

Exempt Code: Purch new buses & cars for rplcmnt or mnr expan.

Short Narrative: Van/Minibus Purchase (5)

Long Narrative: Carbon County Community Transportation (CCCT) has a fleet of 23 vehicles dedicated to its Shared Ride, Demand Response transportation service. Five of these vehicles will have reached end of their useful life using PennDOT standards of 5 years/200,000 miles. These vehicles are scheduled for replacement as part of the agency's ongoing capital improvement program. Replacement of vehicles on a timely basis maintains the fleet in top mechanical condition, reduces the cost of parts replacement and maintenance and improves the overall quality of service for County residents.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
341			\$330	\$330
	\$0	\$0	\$330	\$330
Total FY 2011-2014 Cost			\$660	

Carbon County Transit/Lanta

MPMS #: 86995

County: Carbon

A/Q Status: Exempt

Title: Joint Mainten Facility

Exempt Code: Const new facilities excluded in 23 CFR part 771

Short Narrative: Construction of Joint Maintenance Facility

Long Narrative: Phase I. The Joint maintenance facility, as described in #1 above, would be a project undertaken by the County of Carbon and the Carbon County Community Transportation system. While justification will be part of the study, the study was also envisioned as a site location verification and preliminary engineering and design project. If justified, based upon a cost/benefit analysis, this project will go forward and a firm budget established for its construction would be developed.

Phase II. The Joint maintenance facility, as described in #1 above, would be a project undertaken by the County of Carbon and the Carbon County Community Transportation system. While justification will be part of the study, the study was also envisioned as a site location verification and preliminary engineering and design project. If justified, based upon a cost/benefit analysis, this project will go forward and a firm budget established for its construction would be developed.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
LOC	\$15			
340	\$485			
	\$500	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$500	

MPMS #: 86996

County: Carbon

A/Q Status: Exempt

Title: Van/Minibus Purchase (4)

Exempt Code: Purch new buses & cars for rplcmnt or mnr expan.

Short Narrative: Van/Minibus Purchase (4)

Long Narrative: Carbon County Community Transportation (CCCT) has a fleet of 22 vehicles devoted to its Shared Ride, Demand Response transportation service. Four of these vehicles have reached the end of their useful life using PennDOT standards of 5 years/200,000 miles. These vehicles are scheduled for replacement in fiscal 2010-2011 as part of the agencies ongoing capital improvement program. Replacement of vehicles on a timely basis keeps the fleet in top mechanical condition, reduces the cost of maintenance and improves the overall quality of service for County residents.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
341	\$256			
	\$256	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$256	

Carbon County Transit/Lanta

MPMS #: 86997

County: Carbon

A/Q Status: Exempt

Title: Office Equipment-Copier **Exempt Code:** Purch off., shop, & op. eq. for exist. facility

Short Narrative: Replacement of Office Equipment - Copier

Long Narrative: As part of the annual capital improvement program, CCCT has a budget for replacing office equipment, copiers and the like. In the past this has include telephone systems and more fundamental office essentials. This is a budget figure and is only drawn down on the basis of demonstrated need, ie, replacing equipment that is beyond repair or exceeded useful life standards. It is only a budget figure, not a grant that is spent down annually.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
LOC	\$0			
340	\$12			
	\$12	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$12	

MPMS #: 86998

County: Carbon

A/Q Status: Exempt

Title: IT Equipment **Exempt Code:** Const. or renov. of power, signal, & comm systems

Short Narrative: Replacement of Office IT Equipment

Long Narrative: The CCCT computer network is fairly sophisticated for an agency of its size. This is mainly due to the type of operation involved. The demand-response software application was acquired and installed in 1999. While some equipment upgrades have been done over the years, at 10 years of age, this network is due for replacement. This is a budget figure based on replacement of two network servers, routers, switches and 7 workstations. Cabling will also be replaced, however, if the joint maintenance facility project moves forward, this project may be delayed so as not to duplicate an effort that may be part of a new facility.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
341	\$50			
	\$50	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$50	

Carbon County Transit/Lanta

MPMS #: 86999

County: Carbon

A/Q Status: Exempt

Title: Van/Minibus Purchase (4) Exempt Code: Purch new buses & cars for rplcmnt or mnr expan.

Short Narrative: Van/Minibus Purchase (4)

Long Narrative: Carbon County Community Transportation (CCCT) has a fleet of 17 vehicles devoted to its Shared Ride, Demand Response transportation service. Four of these vehicles have reached the end of their useful life using PennDOT standards of 5 years/200,000 miles. These vehicles are scheduled for replacement in fiscal 2009-2010 as part of the agencies ongoing capital improvement program. Replacement of vehicles on a timely basis keeps the fleet in top mechanical condition, reduces the cost of maintenance and improves the overall quality of service for County residents.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
341		\$256		
	\$0	\$256	\$0	\$0
Total FY 2011-2014 Cost			\$256	

MPMS #: 87000

County: Carbon

A/Q Status: Exempt

Title: Ofc Equipment-Fax/Phone Exempt Code: Purch off., shop, & op. eq. for exist. facility

Short Narrative: Replacement of Office Equipment - Fax Machine, Telephones

Long Narrative: As part of the annual capital improvement program, CCCT has a budget for replacing office equipment, copiers and the like. In the past this has include telephone systems and more fundamental office essentials. This is a budget figure and is only drawn down on the basis of demonstrated need, ie, replacing equipment that is beyond repair or exceeded useful life standards. This is a budget figure, not a grant that is spent down annually.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
LOC		\$0		
340		\$12		
	\$0	\$12	\$0	\$0
Total FY 2011-2014 Cost			\$12	

Carbon County Transit/Lanta

MPMS #: 88772

County: Carbon

A/Q Status: Exempt

Title: Replace IT Equipment

Exempt Code: Const. or renov. of power, signal, & comm systems

Short Narrative: Replacement of IT Equipment.

Long Narrative: Carbon County Community Transportation is largely a demand-response operation providing services to area residents who are elderly, people with disabilities, and those who are financially disadvantaged. This service is sponsored and fares subsidized through the State Lottery Shared Ride program and the Department of Welfare's Medical Assistance Transportation Program (MATP). To manage the system, CCCT acquired scheduling assist management software in 1999. This software application helps organize trips in an efficient manner and produces manifests - or work orders - for drivers on a daily basis. Computer hardware including workstations, servers, routers, switches and system management software require period upgrade and replacement. This project is a budget to allow for this improvement.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
LOC			\$2	
340			\$49	
	\$0	\$0	\$50	\$0
Total FY 2011-2014 Cost			\$50	

MPMS #: 88773

County: Carbon

A/Q Status: Exempt

Title: Replace Radio Equipment

Exempt Code: Purch off., shop, & op. eq. for exist. facility

Short Narrative: Replacement of radio equipment.

Long Narrative: The demand response and fixed-route system require ongoing communications for management, safety and control. This project is for the replacement of radio equipment including handsets for vehicles and service vehicles, base stations and any tower communications equipment that would require upgrade or replacement.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
LOC			\$2	
340			\$49	
	\$0	\$0	\$50	\$0
Total FY 2011-2014 Cost			\$50	

Monroe County Transportation Authority

MPMS #: 71133

County: Monroe

A/Q Status: Exempt

Title: MCTA Park and Ride

Exempt Code: "Not Rgnlly Significant" - do not fit exempt ctgry

Short Narrative: Purchase Property

Long Narrative: Congressional earmark secured under grant contract with the FTA to purchase a site for Park and Ride service in Monroe County. Included in procurement are Env Phase I Study and Appraisers assessment based on FTA regulations. Intent is to offer this service to residents who want to commute in county with MCTA or out of county with private bus and future rail service. MCTA will also look at the feasibility of future transfer station, offering greater tranist opportunity for bicyclists, peds, bus and rail travelers.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
LOC		\$29		
PTAF		\$119		
5309		\$594		
	\$0	\$743	\$0	\$0
Total FY 2011-2014 Cost			\$743	

MPMS #: 71595

County: Monroe

A/Q Status: Significant

Title: Purchase Buses

Short Narrative: Fixed Route replacement/expansion bus purchase

Long Narrative: Purchase 1 medium duty diesel engine bus with two-way communications equipment under 35 feet with a GVWR of over 15,000 lbs and less than 20,000 lbs for Fixed Route expansion.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
LOC		\$9		
PTAF		\$42		
5309		\$249		
	\$0	\$300	\$0	\$0
Total FY 2011-2014 Cost			\$300	

Monroe County Transportation Authority

MPMS #: 83538

County: Monroe

A/Q Status: Exempt

Title: Building/Facility CON

Exempt Code: Recon. or renov. transit bldgs & structures

Short Narrative: Building/Facility Construction

Long Narrative: Building/Facility Construction

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
LOC	\$67			
ACT3	\$1,931			
	\$1,998	\$0	\$0	\$0
Total FY 2011-2014 Cost		\$1,998		

MPMS #: 83539

County: Monroe

A/Q Status: Exempt

Title: MCTA Intermodal Facility

Exempt Code: Recon. or renov. transit bldgs & structures

Short Narrative: The MCTA currently has a consultant working on a Feasibility Study regarding where to erect a transfer site for inter and intra-bus connections within the county. The Intermodal Facility was conceptualized by the MCTA

Long Narrative: The MCTA currently has a consultant working on a Feasibility Study regarding where to erect a transfer site for inter and intra-bus connections within the county. The Intermodal Facility was conceptualized by the MCTA Board in/around FY2005/2006. We plan to work with the MCRA when the Feasibility Study recommendations are finalized [estimated DEC, 2010].

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
LOC			\$100	
ACT3			\$500	
5309			\$2,400	
	\$0	\$0	\$3,000	\$0
Total FY 2011-2014 Cost		\$3,000		

Monroe County Transportation Authority

MPMS #: 86880

County: Monroe

A/Q Status: Exempt

Title: ITS Bus Surveillance

Exempt Code: Purch op. eq. for vehcls (eg. radio, frbx, lifts)

Short Narrative: ITS Bus Surveillance Cameras, Mobile Data Terminals and Auto Vehicle Locators for 17 Shared Ride buses.

Long Narrative: ITS Bus Surveillance Cameras, Mobile Data Terminals and Auto Vehicle Locators for 17 Shared Ride buses.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
ECONR	\$194			
	\$194	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$194	

MPMS #: 87292

County: Monroe

A/Q Status: Exempt

Title: Operations Facility Ren

Exempt Code: Recon. or renov. transit bldgs & structures

Short Narrative: Renovation of the operations facility.

Long Narrative: Renovation of the operations facility. Bureau of Public Transit approved state bond (ACT 83) funding for this project.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
ACT83	\$45			
	\$45	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$45	

Monroe County Transportation Authority

MPMS #: 87402

County: Monroe

A/Q Status: Significant

Title: Purchase (4) HighTop Vans

Short Narrative: FY 2009-2010 New Freedom Project. Purchase 4 High Top Vans.

Long Narrative: FY 2009-2010 New Freedom Project. Purchase 4 High Top Vans.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
338	\$37			
5317	\$147			
	\$184	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$184	

MPMS #: 87403

County: Monroe

A/Q Status: Exempt

Title: Website Enhancements

Exempt Code: Purch off., shop, & op. eq. for exist. facility

Short Narrative: FY 2009-2010 New Freedom Project. Enhancements to MCTA's Website.

Long Narrative: FY 2009-2010 New Freedom Project. Enhancements to MCTA's Website.

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
338	\$1			
5317	\$3			
	\$4	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$4	

MPMS #: 90181

County: Monroe

A/Q Status: Exempt

Title: W2W (CTCC) Vehicle

Exempt Code: Purch new buses & cars for rplcmnt or mnr expan.

Short Narrative: Vehicle Replacement

Long Narrative: Vehicle Replacement

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
160	\$40			
	\$40	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$40	

Monroe County Transportation Authority

MPMS #: 90182

County: Monroe

A/Q Status: Exempt

Title: MCTA ITS

Exempt Code: Const. or renov. of power, signal, & comm systems

Short Narrative: Narrow-Band Radio Upgrade

Long Narrative: Narrow-Band Radio Upgrade

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
341	\$125			
	\$125	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$125	

MPMS #: 90263

County: Monroe

A/Q Status: Exempt

Title: MCTA ITS

Exempt Code: Const. or renov. of power, signal, & comm systems

Short Narrative: Frequency upgrade

Long Narrative: Frequency upgrade

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
340	\$125			
	\$125	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$125	

MPMS #: 90264

County: Monroe

A/Q Status: Exempt

Title: SR Bus Replacement

Exempt Code: Purch new buses & cars for rplcmnt or mnr expan.

Short Narrative: Chevy Diesel Replacement

Long Narrative: Chevy Diesel Replacement

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
PRIV	\$260			
	\$260	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$260	

Monroe County Transportation Authority

MPMS #: 90265

County: Monroe

A/Q Status: Exempt

Title: SR Bus Replacement

Exempt Code: Purch new buses & cars for replmmt or mnr expan.

Short Narrative: Standard EUL Replacement

Long Narrative: Standard EUL Replacement

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
160	\$148			
	\$148	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$148	

MPMS #: 90266

County: Monroe

A/Q Status: Exempt

Title: MCTA SR Radios

Exempt Code: Const. or renov. of power, signal, & comm systems

Short Narrative: Upgrade to Narrow Band

Long Narrative: Upgrade to Narrow Band

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
160	\$25			
	\$25	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$25	

MPMS #: 90267

County: Monroe

A/Q Status: Exempt

Title: MCTA FR Radios

Exempt Code: Const. or renov. of power, signal, & comm systems

Short Narrative: Upgrade Narrow Radios

Long Narrative: Upgrade Narrow Radios

TIP Program Years (\$000)

Fund	FY 2011	FY 2012	FY 2013	FY 2014
340	\$30			
	\$30	\$0	\$0	\$0
Total FY 2011-2014 Cost			\$30	

APPENDIX B

**CARBON COUNTY/MONROE COUNTY
MOBILE6.2 PROGRAM PARAMETERS**

APPENDIX B1

MOBILE6.2 PROGRAM SETUP FILES
For
Ozone Conformity Analysis

MOBILE6.2 INPUT FILE SETTINGS

Carbon County

MOBILE6 INPUT FILE

REPORT FILE : M6output.out REPLACE
DATABASE OUTPUT :
WITH FIELDNAMES :
EMISSIONS TABLE : M6OUTPUT.TB1 REPLACE
POLLUTANTS : HC CO NOX
AGGREGATED OUTPUT :
RUN DATA : 0131

MIN/MAX TEMPERATURE: 62.8 92.0
FUEL RVP : 8.7
94+ LDG IMP : NLEVNE.D
T2 EXH PHASE-IN : pal2exh.08 }
T2 EVAP PHASE-IN : pal2evp.08 } **CALLEVII Phase-In Files**
T2 CERT : leviistd.d }
EXPRESS HC AS VOC :
EXPAND EXHAUST :
EXPAND EVAPORATIVE :
NO REFUELING :
REG DISTRIBUTION : CARB05ag.dat (2005 ages used for all years)

ANTI-TAMP PROGRAM : 04 75 50 22222 11111111 1 11 096. 22212222

(Scenarios Run for Different Areas and Functional Class Groups)

SCENARIO RECORD : [01 0131] 1
CALENDAR YEAR : 2015 (Analysis year depends on year being run)
EVALUATION MONTH : 7
ABSOLUTE HUMIDITY : 59.2
SEASON : 1
PARTICULATE EF : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 11
VMT FRACTIONS :
0.322862 0.076481 0.254652 0.078491 0.036113 0.072698 0.007095 0.005984
0.004489 0.016253 0.019245 0.020923 0.074398 0.003740 0.001859 0.004717

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

VMT BY FACILITY : V013101F.def
VMT BY HOUR : V013101H.def
SPEED VMT : V013101S.def

(Assumption of 10% (3.5% by volume) ethanol in Pennsylvania fuel)

OXYGENATED FUELS : 0.000 1.000 .000 .035 1

ATTACHMENT: 1
Carbon County Vehicle Age Distributions Input to MOBILE6.2

2005 Age Distribution:

REG	DIST									
1	0.0348	0.0616	0.0629	0.0698	0.0652	0.0754	0.0657	0.0637	0.0602	0.0588
	0.0609	0.0522	0.0496	0.0376	0.0348	0.0295	0.0310	0.0228	0.0185	0.0129
	0.0088	0.0066	0.0034	0.0015	0.0120					
2	0.0269	0.0667	0.0571	0.0534	0.0577	0.0641	0.0624	0.0434	0.0551	0.0433
	0.0500	0.0480	0.0368	0.0316	0.0293	0.0333	0.0417	0.0406	0.0314	0.0281
	0.0202	0.0151	0.0094	0.0072	0.0472					
3	0.0269	0.0667	0.0571	0.0534	0.0577	0.0641	0.0624	0.0434	0.0551	0.0433
	0.0500	0.0480	0.0368	0.0316	0.0293	0.0333	0.0417	0.0406	0.0314	0.0281
	0.0202	0.0151	0.0094	0.0072	0.0472					
4	0.0300	0.1035	0.0750	0.0670	0.0728	0.0646	0.0700	0.0400	0.0620	0.0471
	0.0514	0.0447	0.0259	0.0281	0.0173	0.0242	0.0294	0.0296	0.0207	0.0246
	0.0130	0.0104	0.0071	0.0052	0.0361					
5	0.0300	0.1035	0.0750	0.0670	0.0728	0.0646	0.0700	0.0400	0.0620	0.0471
	0.0514	0.0447	0.0259	0.0281	0.0173	0.0242	0.0294	0.0296	0.0207	0.0246
	0.0130	0.0104	0.0071	0.0052	0.0361					
16	0.0863	0.0744	0.0998	0.0699	0.0564	0.0584	0.0434	0.0309	0.0289	0.0334
	0.0279	0.0240	0.0155	0.0200	0.0135	0.0185	0.0190	0.0120	0.0170	0.0220
	0.0304	0.0120	0.0314	0.0384	0.1168					

(Truck Age Distributions Assume MOBILE6.2 National Defaults)

MOBILE6.2 INPUT FILE SETTINGS

Monroe County

MOBILE6 INPUT FILE

REPORT FILE : M6output.out REPLACE
DATABASE OUTPUT :
WITH FIELDNAMES :
EMISSIONS TABLE : M6OUTPUT.TB1 REPLACE
POLLUTANTS : HC CO NOX
AGGREGATED OUTPUT :
RUN DATA : 0451

MIN/MAX TEMPERATURE: 62.5 89.4
FUEL RVP : 8.7
94+ LDG IMP : NLEVNE.D
T2 EXH PHASE-IN : pal2exh.08
T2 EVAP PHASE-IN : pal2evp.08
T2 CERT : leviistd.d } *CALLEVII Phase-In Files*
EXPRESS HC AS VOC :
EXPAND EXHAUST :
EXPAND EVAPORATIVE :
NO REFUELING :
REG DISTRIBUTION : MONR05ag.dat (2005 ages used for all years)

ANTI-TAMP PROGRAM : 04 75 50 22222 11111111 1 11 096. 22212222

(Scenarios Run for Different Areas and Functional Class Groups)

SCENARIO RECORD : [01 0451] 1

CALENDAR YEAR : 2015 (*Analysis year depends on year being run*)
EVALUATION MONTH : 7
ABSOLUTE HUMIDITY : 42.1
SEASON : 1
PARTICULATE EF : PMGZML.CSV PMGDR1.CSV PMGDR2.CSV PMDZML.CSV PMDDR1.CSV PMDDR2.CSV
PARTICLE SIZE : 2.5
DIESEL SULFUR : 11
VMT FRACTIONS : (*VMT mix varies for each year, run/scenario combination*)
0.314230 0.074437 0.247848 0.076394 0.035149 0.079326 0.007742 0.006530
0.004898 0.017735 0.021000 0.022830 0.081181 0.004081 0.002028 0.004591

(Speed, hourly, and facility distributions prepared by PPSUITE post processor for each Run/Scenario)

VMT BY FACILITY : V045101F.def
VMT BY HOUR : V045101H.def
SPEED VMT : V045101S.def

(Assumption of 10% (3.5% by volume) ethanol in Pennsylvania fuel)

OXYGENATED FUELS : 0.000 1.000 .000 .035 1

ATTACHMENT: 2
Monroe County Vehicle Age Distributions Input to MOBILE6.2

2005 Age Distribution:

REG	DIST									
1	0.0435	0.0718	0.0704	0.0768	0.0758	0.0849	0.0713	0.0676	0.0630	0.0559
	0.0595	0.0476	0.0429	0.0338	0.0291	0.0255	0.0217	0.0170	0.0129	0.0090
	0.0058	0.0042	0.0020	0.0012	0.0067					
2	0.0419	0.0747	0.0675	0.0683	0.0632	0.0687	0.0607	0.0493	0.0591	0.0417
	0.0597	0.0494	0.0329	0.0230	0.0243	0.0283	0.0346	0.0366	0.0263	0.0242
	0.0143	0.0106	0.0065	0.0045	0.0297					
3	0.0419	0.0747	0.0675	0.0683	0.0632	0.0687	0.0607	0.0493	0.0591	0.0417
	0.0597	0.0494	0.0329	0.0230	0.0243	0.0283	0.0346	0.0366	0.0263	0.0242
	0.0143	0.0106	0.0065	0.0045	0.0297					
4	0.0430	0.1166	0.0867	0.0824	0.0729	0.0670	0.0629	0.0458	0.0644	0.0378
	0.0616	0.0419	0.0290	0.0180	0.0146	0.0208	0.0244	0.0250	0.0148	0.0178
	0.0128	0.0085	0.0064	0.0026	0.0224					
5	0.0430	0.1166	0.0867	0.0824	0.0729	0.0670	0.0629	0.0458	0.0644	0.0378
	0.0616	0.0419	0.0290	0.0180	0.0146	0.0208	0.0244	0.0250	0.0148	0.0178
	0.0128	0.0085	0.0064	0.0026	0.0224					
16	0.0851	0.0932	0.1124	0.0830	0.0724	0.0681	0.0489	0.0308	0.0305	0.0278
	0.0308	0.0214	0.0227	0.0141	0.0135	0.0165	0.0127	0.0122	0.0154	0.0200
	0.0192	0.0165	0.0178	0.0197	0.0951					

(Truck Age Distributions Assume MOBILE6.2 National Defaults)

APPENDIX B2

INSPECTION AND MAINTENANCE MODELING PARAMETERS FOR LRTP/TIP CONFORMITY ANALYSIS

Pennsylvania I/M Program

The Pennsylvania inspection and maintenance (I/M) program was upgraded and expanded throughout the state with a phase-in period starting in September 2003 and fully implemented by June 2004. The program test requirements vary by region and include on-board diagnostics (OBD) technology that uses the vehicle's computer for model years 1996 and newer to download potential engine problems that could effect emissions. The program, named PAOBDII, is implemented in the Philadelphia, Pittsburgh, and South Central and Lehigh Valley Regions. The Northern Region receives gas cap and visual inspections and the other 42 counties in the Commonwealth receive a visual inspection. For all of projected analysis years beyond 2004, the upgraded I/M program was modeled.

Vehicles subject to the program include 1975 and newer model year gasoline cars and light duty trucks up to 9,000 pounds GVW. New model years are exempt for the first year. The county of registration determines which inspections are required. Details of the program by region are provided below.

Philadelphia 5-County Area

The five counties include Bucks, Chester, Delaware, Montgomery and Philadelphia. The previous PA97 program with ASM was upgraded in final ASM cutpoints in September 2003 and OBD implemented in between April and June 2004. The program parameters for Philadelphia include:

Model Years	Program Parameters
1996 & newer	PAOBDII Gas Cap
1981-1995 (LDGV) 1984-1995 (LDGT)	ASM Gas Cap ATP
1975-1980 (LDGV) 1975-1983 (LDGT)	Idle Test Gas Cap ATP

Pittsburgh 4-County Area

The four counties include Allegheny, Beaver, Washington and Westmoreland. The previous PA97 program was upgraded to OBD between January and March 2004. The program parameters include:

Model Years	Program Parameters
1996 & newer	PAOBDII Gas Cap
1975-1995	2-speed Idle Gas Cap ATP

South Central and Lehigh Valley Region

The eight counties in the region include Berks, Cumberland, Dauphin, Lancaster, Lebanon, Lehigh, Northampton, and York. The new program expanded to these counties during December 2003 to February 2004. There was not prior inspection program. The program parameters include:

Model Years	Program Parameters
1996 & newer	PAOBDII Gas Cap
1975-1995	Gas Cap ATP

Northern Region

The eight counties in the region include Blair, Cambria, Centre, Erie, Lackawanna, Luzerne, Lycoming, and Mercer. The new program expanded to these counties during January and March 2004, which did not have a prior program. The program parameters include:

Model Years	Program Parameters
1975 & newer	Gas Cap ATP

42-County Region

The remaining 42 counties in the Commonwealth will receive an anti-tampering program for all 1975 and newer subject vehicles as part of their Safety Inspection starting in December 2003. The program consists of seven visual inspections of key emissions control components. They include: air pump system, catalytic converter, fuel inlet restrictor, EGR, evaporative system, PCV system, and gas cap. The seven inspections are the same for all areas for vehicles receiving the ATP inspection.

APPENDIX B3

MOBILE6.2 OZONE Summer Weekday Temperature and Humidity Inputs

MOBILE6 Summer Daily Temperatures and Humidity			
Air Quality District	Maximum	Minimum	Absolute Humidity
1. Bucks, Chester, Delaware, Montgomery, Philadelphia	93.1	68.7	52.2
2. Berks	94.4	68.8	75.0
3. Lancaster	94.0	66.7	57.2
4. Carbon, Lehigh, Northampton	92.0	62.8	59.2
5. Adams, Franklin, York	94.0	66.7	57.2
6. Cumberland, Dauphin, Lebanon, Perry	94.0	66.7	57.2
7. Columbia, Lackawanna, Luzerne, Schuylkill, Susquehanna, Wayne, Wyoming	89.4	62.5	42.1
8. Bedford, Blair, Fulton, Huntingdon, Juniata, Mifflin	88.3	62.1	42.3
9. Cameron, Centre, Clearfield, Clinton	88.3	62.1	42.3
10. Bradford, Lycoming, Potter, Sullivan, Tioga	89.4	62.5	42.1
11. Allegheny, Armstrong, Beaver, Butler, Fayette, Greene, Washington, Westmoreland	89.4*	68.8*	78.0*
12. Clarion, Lawrence, Mercer, Venango	88.3	62.1	42.3
13. Crawford, Elk, Erie, Forest, McKean, Warren	87.7	69.5	61.3
14. Cambria, Indiana, Somerset	88.3	62.1	42.3

** Temperatures based on 10 highest ozone exceedence days from 2000-2002 consistent with their respective maintenance plans.*

APPENDIX B4

MOBILE6.2 OZONE Summer Weekday Fuel Volatility Inputs

MVMA Fuel Volatility Survey Results				
Nonattainment Area	MVMA Surveyed City	RVP		
		1990	2002	Beyond 2002
Allentown-Bethlehem-Easton	Philadelphia	8.4	8.7	8.7
Altoona	Philadelphia	8.4	8.7	8.7
Erie	Cleveland	9.7	8.7	8.7
Harrisburg-Lebanon-Carlisle	Philadelphia	8.4	8.7	8.7
Johnstown	Philadelphia	8.4	8.7	8.7
Lancaster	Philadelphia	8.4	8.7	8.7
Philadelphia-Wilmington-Trenton	Philadelphia	8.4	8.7	8.7
Pittsburgh-Beaver Valley	Philadelphia	8.4	7.8	7.8
Reading	Philadelphia	8.4	8.7	8.7
Scranton-Wilkes Barre	Philadelphia	8.4	8.7	8.7
York	Philadelphia	8.4	8.7	8.7
Youngstown-Warren-Sharon	Cleveland	9.7	8.7	8.7

APPENDIX C

**CARBON COUNTY/MONROE COUNTY
PUBLIC PARTICIPATION**

APPENDIX D

CLEAN AIR ACRONYMS

ACRONYMS

ACRONYMS

AADT	Annual Average Daily Traffic (July 1 and seasonally adjusted)
AASHTO	American Association of State and Highway Transportation Officials
ACT	Alternative Control Technique Documents
ADA	Americans with Disabilities Act of 1990
ADT	Average Daily Traffic
ADTT	Average Daily Truck Traffic
AFV	Alternative Fuel Vehicle
AIRS	Aerometric Information Retrieval Systems
APCA	Air Pollution Control Act of 1992 (Pennsylvania)
APO	Average Passenger Occupancy
AQ	Air Quality
AQP	Air Quality Program
AQTF	Air Quality Task Force
AQRV	Air Quality Related Values
AVI	Automatic Vehicle Identification
AVO	Average Vehicle Occupancy
AVR	Average Vehicle Ridership
BEQ	Bureau of Environmental Quality (PENNDOT)
BMS	Bridge Management System
BMV	Bureau of Motor Vehicles
CAA70	Clean Air Act of 1970
CAA77	Clean Air Act Amendments of 1977
CAA90	Clean Air Act Amendments of 1990
CAAA	Clean Air Act Amendments of 1990
CARB	California Air Resources Board
CBD	Central Business District
CE	Categorical Exclusion
CEE	Categorical Exclusion Evaluation
CFF	Clean Fuel Fleet
CFFV	Clean Fuel Fleets Vehicles
CFR	Code of Federal Regulations
CFV	Clean Fuel Vehicle
CMAQ	Congestion Mitigation and Air Quality
CMP	Congestion Management Plan
CMS	Congestion Management System OR Contract Management System
CMSA	Consolidated Metropolitan Statistical Area
CNG	Compressed Natural Gas
CO	Carbon Monoxide (ppm) OR Central Office
CO ₂	Carbon Dioxide (ppm)
CPI	Consumer Price Index
CTG	Control Technique Guidance
CV	Conventional Vehicle
DEIS	Draft Environmental Impact Statement
DEP	Department of Environmental Protection
DOI	Department of Interior
DOT	Department of Transportation
DVMT	Daily Vehicle Miles of Travel
DVRPC	Delaware Valley Regional Planning Commission
EA	Environmental Assessment
ECO	Employee Commute Option

ECONS	Energy Conservation and Safety
EDD	Economic Development District
E I/M	Enhanced Inspection/Maintenance
EIS	Environmental Impact Statement
EKMA	Empirical Kinetic Measurement Assessment
EPA	Environmental Protection Agency (United States)
EPACT	Energy Policy Act of 1992
EPS	Emissions Pre-Processor Systems
EQB	Environmental Quality Board (PA)
ERC	Emission Reduction Credit
ETC	Employer Trip Coordinator OR Employee Transportation Coordination
ETRP	Employer Trip Reduction Program
ETTM	Electronic Toll and Traffic Management
FEIS	Final Environmental Impact Statement
FFY	Federal Fiscal Year
FHWA	Federal Highway Administration
FIP	Federal Implementation Plan
FIPS	Federal Information Processor Systems
FONSI	Finding of No Significant Impact
FTA	Federal Transit Administration
FTP	Federal Test Procedure
GM/BHP-HR	Grams per Brake Horsepower Hour
GIS	Geographic Information System
GVWR	Gross Vehicle Weight Rating
HBW	Home-Based Work
HC	Hydrocarbons (Kg/day, Tons/yr)
HCM	Highway Capacity Manual
HDDV	Heavy Duty Diesel Vehicle
HDGV	Heavy Duty Gasoline Vehicle
HDV	Heavy Duty Vehicle
HOV	High Occupancy Vehicle
HPMS	Highway Performance Monitoring System
HP&R	Highway Planning and Research Funds (Federal)
ILEV	Inherently Low Emission Vehicles
I/M	Inspection/Maintenance
ISTEA	Intermodal Surface Transportation Efficiency Act of 1991
ITE	Institute of Transportation Engineers
IVHS	Intelligent Vehicle Highway Systems
LAER	Lowest Achievable Emission Rate
LDD	Local Development District
LDDT	Light Duty Diesel Truck
LDDV	Light Duty Diesel Vehicle
LDGT	Light Duty Gasoline Truck
LDGV	Light Duty Gasoline Vehicle
LDT	Light Duty Truck
LDV	Light Duty Vehicle
LEV	Low Emission Vehicle
LOS	Level of Service
LPG	Liquid Petroleum Gas
LPO	Lead Planning Organization
MACT	Maximum Achievable Control Technology
MOBILE	EPA's computer program used to run conformity -- latest version is number 5A
MPO	Metropolitan Planning Organization
MPH	Miles Per Hour
MSA	Metropolitan Statistical Area
NAAQS	National Ambient Air Quality Standards

NARC	National Association of Regional Councils
NCHRP	National Cooperative Highway Research Program
NEPA	National Environmental Policy Act of 1969, as amended
NHB	Non-Home Based
NHS	National Highway System
NH ₃	Ammonia
NO ₂	Nitrogen Dioxide
No _x	Nitrogen Oxides
NO _x RACT	Nitrous Oxides Reasonable Available Control Technology
NPRM	Notice of Proposed Rulemaking
NSPS	New Source Performance Standards
NSR	New Source Review
O ₃	Ozone (ppm)
OEM	Original Equipment Manufacturer
OMB	Office of Management and Budget (US)
OTC	Ozone Transport Commission
OTR	Ozone Transport Region
PADEP	Pennsylvania Department of Environmental Protection
PENNDOT	Pennsylvania Department of Transportation
PAMPTA	Pennsylvania Association of Mass Transit Authorities
P&R	Park and Ride
PERC	Perchloroethylene
PHF	Peak Hour Factor
PI&E	Public Information and Education
PL	Metropolitan Planning Funds
PM _{2.5}	Fine Particulate Matter (ug/m ³)
PM ₁₀	Particulate Matter (ug/m ³)
PMS	Pavement Management System OR Project Management System
PPAQ	Post Processor for Air Quality
PPM	Parts Per Million
RACT	Reasonable Available Control Technology
RFA	Regulatory Flexibility Analysis
RFG	Reformulated Federal Gasoline
RFP	Reasonable Further Progress
RMS	Roadway Management System
RMSE	Route Mean Square Error
ROD	Record of Decision
ROG	Reactive Organic Gases
RTIP	Regional Transportation Improvement Program
RTP	Regional Transportation Plan
RVP	Reid Vapor Pressure
SAMI	Safety and Mobility Initiative (PENNDOT)
SIP	State Implementation Plan
SMA	Statistical Metropolitan Area
SO _x	Sulfates
SO ₂	Sulfur Dioxide
SOL	Strike-Off-Letter (PENNDOT)
SOV	Single Occupancy Vehicle
SOVCAP	Single Occupancy Vehicle Capacity Adding Project
SPRPC	Southwestern Pennsylvania Regional Planning Commission
STAMPP	Systematic Technique to Analyze & Manage Pennsylvania's Pavement (PENNDOT)
STC	State Transportation Commission
STEP	Short-range Transportation Evaluation Program
STIP	Statewide Transportation Improvement Plan
STP	Surface Transportation Program
TAC	Technical Advisory Committee

TAZ	Traffic Analysis Zone
TCM	Transportation Control Measure
TCP	Traffic Control Plan
TDM	Travel Demand Management
TDR	Travel Demand Reduction
TIP	Transportation Improvement Program
TLEV	Transitional Low Emission Vehicle
TMA	Transportation Management Association OR Transportation Management Area
TODF	Time of Day Factor
TPD	Tons Per Day
TPY	Tons Per Year
TR	Traffic Route
TRB	Transportation Research Board
TRO	Trip Reduction Ordinance
TSM	Transportation System Management
TYP	Twelve-Year Program (PADOT)
UAM	Urban Air Shed Model
UG/M ³	Micrograms per Cubic Meter
ULEV	Ultra Low Emission Vehicles
UMTA	Urban Mass Transportation Administration (renamed FTA--Federal Transit Administration)
USC	United States Code
VHT	Vehicle Hours Travelled
VMT	Vehicle Miles Travelled
VOC	Volatile Organic Compounds
VPH	Vehicles Per Hour
ZEV	Zero Emission Vehicles