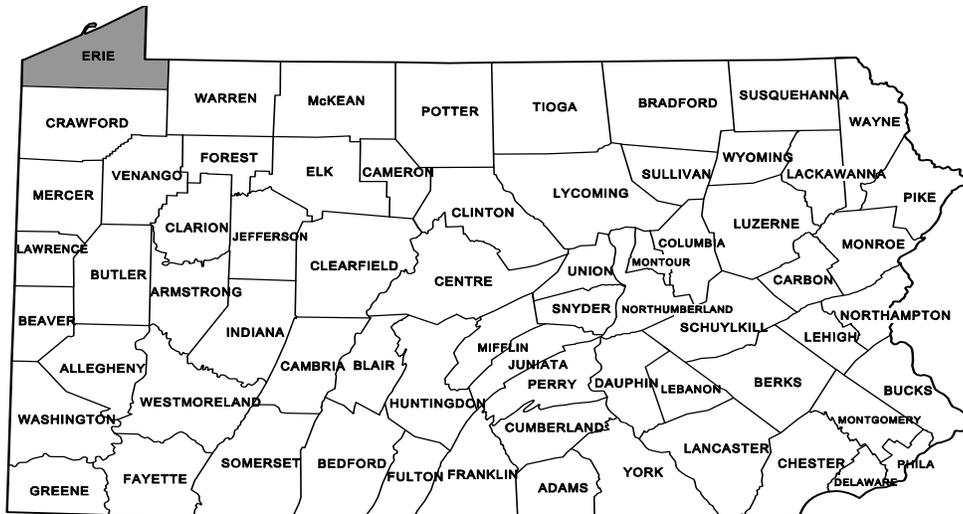


**AIR QUALITY
CONFORMITY ANALYSIS REPORT
FOR THE ERIE OZONE MAINTENANCE AREA
(8-hour Ozone NAAQS)**

VOLUME II – TECHNICAL ANALYSIS

FFY 2011-2014 TIP and 2040 LRTP



Prepared by:
Pennsylvania Department of Transportation

DRAFT

PUBLIC REVIEW:

PLANNING PARTNER APPROVAL:

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OZONE CONFORMITY**

2018 BUILD
Summer Weekday Emission Summary
ERIE COUNTY MPO

| | Vehicle Mile of Travel (VMT) | Vehicle Hours of Travel (VHT) | Average Speed (mph) | VOC Emissions (kg/day) | NOX Emissions (kg/day) |
|--------------------------------------|---------------------------------|----------------------------------|------------------------|---------------------------|---------------------------|
| Rural | | | | | |
| Interstate | 1,725,980 | 33,352 | 51.75 | 523.08 | 1,059.90 |
| Other Prin. Art. | 270,907 | 5,757 | 47.06 | 83.67 | 141.00 |
| Minor Arterials | 794,236 | 19,875 | 39.96 | 254.21 | 347.91 |
| Major Collectors | 294,734 | 7,620 | 38.68 | 95.54 | 118.79 |
| Minor Collectors | 171,224 | 4,268 | 40.12 | 54.95 | 69.37 |
| Local | 483,395 | 22,947 | 21.07 | 271.12 | 210.71 |
| Small Urban | | | | | |
| Interstate | | | | | |
| Expressway | | | | | |
| Other Prin. Art. | | | | | |
| Minor Arterials | | | | | |
| Collector | | | | | |
| Local | | | | | |
| Urban | | | | | |
| Interstate | 783,636 | 16,338 | 47.96 | 244.47 | 426.31 |
| Expressway | | | | | |
| Other Prin. Art. | 1,198,519 | 31,541 | 38.00 | 390.36 | 480.66 |
| Minor Arterials | 1,189,607 | 44,970 | 26.45 | 433.72 | 475.20 |
| Collector | 504,781 | 19,377 | 26.05 | 185.47 | 203.01 |
| Local | 390,994 | 17,279 | 22.63 | 219.10 | 164.54 |
| Off Network Emission Benefits | | | | 0.00 | 0.00 |
| COUNTY TOTAL | 7,808,013 | 223,324 | 34.96 | 2,755.70 | 3,697.41 |

2025 BUILD
Summer Weekday Emission Summary
ERIE COUNTY MPO

| | Vehicle Mile of Travel (VMT) | Vehicle Hours of Travel (VHT) | Average Speed (mph) | VOC Emissions (kg/day) | NOX Emissions (kg/day) |
|--------------------------------------|---------------------------------|----------------------------------|------------------------|---------------------------|---------------------------|
| Rural | | | | | |
| Interstate | 1,933,369 | 40,440 | 47.81 | 500.65 | 769.07 |
| Other Prin. Art. | 303,182 | 6,568 | 46.16 | 79.87 | 106.47 |
| Minor Arterials | 856,064 | 21,754 | 39.35 | 234.65 | 270.98 |
| Major Collectors | 316,342 | 8,235 | 38.41 | 87.99 | 95.35 |
| Minor Collectors | 186,181 | 4,645 | 40.08 | 51.08 | 56.48 |
| Local | 515,868 | 26,085 | 19.78 | 258.03 | 165.66 |
| Small Urban | | | | | |
| Interstate | | | | | |
| Expressway | | | | | |
| Other Prin. Art. | | | | | |
| Minor Arterials | | | | | |
| Collector | | | | | |
| Local | | | | | |
| Urban | | | | | |
| Interstate | 852,356 | 17,805 | 47.87 | 226.20 | 316.71 |
| Expressway | | | | | |
| Other Prin. Art. | 1,250,963 | 33,091 | 37.80 | 349.72 | 377.62 |
| Minor Arterials | 1,228,381 | 47,543 | 25.84 | 391.46 | 373.94 |
| Collector | 540,318 | 20,935 | 25.81 | 171.98 | 164.38 |
| Local | 404,744 | 18,016 | 22.47 | 202.49 | 127.44 |
| Off Network Emission Benefits | | | | 0.00 | 0.00 |
| COUNTY TOTAL | 8,387,768 | 245,117 | 34.22 | 2,554.12 | 2,824.10 |

**2030 LRP
Summer Weekday Emission Summary
ERIE COUNTY MPO**

| | Vehicle Mile of Travel (VMT) | Vehicle Hours of Travel (VHT) | Average Speed (mph) | VOC Emissions (kg/day) | NOX Emissions (kg/day) |
|-------------------------------|---------------------------------|----------------------------------|------------------------|---------------------------|---------------------------|
| Rural | | | | | |
| Interstate | 2,083,134 | 46,898 | 44.42 | 536.63 | 715.98 |
| Other Prin. Art. | 327,851 | 7,247 | 45.24 | 85.85 | 101.64 |
| Minor Arterials | 899,154 | 23,203 | 38.75 | 244.43 | 259.72 |
| Major Collectors | 330,569 | 8,644 | 38.24 | 91.17 | 92.58 |
| Minor Collectors | 197,844 | 4,955 | 39.93 | 53.77 | 55.67 |
| Local | 537,439 | 28,686 | 18.74 | 266.51 | 159.10 |
| Small Urban | | | | | |
| Interstate | | | | | |
| Expressway | | | | | |
| Other Prin. Art. | | | | | |
| Minor Arterials | | | | | |
| Collector | | | | | |
| Local | | | | | |
| Urban | | | | | |
| Interstate | 904,611 | 19,063 | 47.45 | 238.12 | 298.67 |
| Expressway | | | | | |
| Other Prin. Art. | 1,292,217 | 34,436 | 37.53 | 358.84 | 363.80 |
| Minor Arterials | 1,261,437 | 49,592 | 25.44 | 400.34 | 360.07 |
| Collector | 557,241 | 21,956 | 25.38 | 177.47 | 158.72 |
| Local | 415,468 | 18,634 | 22.30 | 206.23 | 121.67 |
| Off Network Emission Benefits | | | | 0.00 | 0.00 |
| COUNTY TOTAL | 8,806,965 | 263,314 | 33.45 | 2,659.35 | 2,687.62 |

2040 LRP
Summer Weekday Emission Summary
ERIE COUNTY MPO

| | Vehicle Mile of Travel (VMT) | Vehicle Hours of Travel (VHT) | Average Speed (mph) | VOC Emissions (kg/day) | NOX Emissions (kg/day) |
|--------------------------------------|---------------------------------|----------------------------------|------------------------|---------------------------|---------------------------|
| Rural | | | | | |
| Interstate | 2,383,289 | 62,359 | 38.22 | 614.25 | 777.10 |
| Other Prin. Art. | 372,462 | 8,549 | 43.57 | 97.86 | 110.44 |
| Minor Arterials | 960,409 | 25,456 | 37.73 | 262.15 | 268.96 |
| Major Collectors | 362,706 | 9,674 | 37.49 | 100.25 | 99.28 |
| Minor Collectors | 223,246 | 5,669 | 39.38 | 60.56 | 61.41 |
| Local | 594,878 | 35,645 | 16.69 | 294.26 | 171.18 |
| Small Urban | | | | | |
| Interstate | | | | | |
| Expressway | | | | | |
| Other Prin. Art. | | | | | |
| Minor Arterials | | | | | |
| Collector | | | | | |
| Local | | | | | |
| Urban | | | | | |
| Interstate | 1,007,429 | 21,562 | 46.72 | 265.75 | 319.67 |
| Expressway | | | | | |
| Other Prin. Art. | 1,374,695 | 37,250 | 36.90 | 382.40 | 379.37 |
| Minor Arterials | 1,328,677 | 54,513 | 24.37 | 424.44 | 373.20 |
| Collector | 601,781 | 24,735 | 24.33 | 193.48 | 168.46 |
| Local | 437,730 | 20,136 | 21.74 | 216.77 | 125.05 |
| Off Network Emission Benefits | | | | 0.00 | 0.00 |
| COUNTY TOTAL | 9,647,302 | 305,548 | 31.57 | 2,912.18 | 2,854.10 |

APPENDICES

APPENDIX A1

**ERIE COUNTY
LONG RANGE PLAN/
TRANSPORTATION IMPROVEMENT PROGRAM
FOR HIGHWAYS**

| | |
|-------------|--|
| Erie | |
|-------------|--|

MPMS #: 58232

Municipality: Erie (City)

Title: McBride Viaduct-East Br

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: Route 7302 (McBride Viaduct-East Avenue) Bridge over CSX Railroad in the City of Erie

Narrative: This project includes the rehabilitation of the Route 7302 (McBride Viaduct-East Avenue) Bridge over CSX Railroad in the City of Erie. The bridge is 1170 feet long and is owned by the City of Erie.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|--------------|---------|-------------|-------------|
| STUDY | BOO | \$700 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$700 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$700 | | | |

MPMS #: 35742

Municipality: Corry (City)

Title: Avenue A RRX - 2003

Route:

Section:

A/Q Status:

Improvement Type: RR Warning Devices

Est. Let Date:

Actual Let Date:

Geographic Limits: Avenue A on Allegheny and Eastern Railroad in the City of Corry

Narrative: Railroad Warning Devices on Avenue A on the Allegheny and Eastern Railroad in the City of Corry.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|--------------|---------|-------------|-------------|
| CON | RRX | \$150 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$150 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$150 | | | |

MPMS #: 87194

Municipality:

Title: Perry Square Streetscape

Route:

Section:

A/Q Status: Exempt

Improvement Type: Transportation Enhancement

Exempt Code: Bicycle and pedestrian facilities

Est. Let Date: 04/28/2011

Actual Let Date: 04/28/2011

Geographic Limits: Perry Square in the City of Erie

Narrative: Streetscape with pedestrian crossings, curb island bump-outs, relocating existing bus stops and shelters, and gateway structures at Perry Square in the City of Erie.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|--------------|---------|-------------|-------------|
| CON | TCS | \$356 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$356 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$356 | | | |

| | |
|-------------|--|
| Erie | |
|-------------|--|

MPMS #: 87514

Municipality:

Title: Group 1-11-AWPM

Route:

Section:

A/Q Status:

Improvement Type: Reflective Pavement Markers

Est. Let Date: 04/14/2011

Actual Let Date: 04/14/2011

Geographic Limits: Districtwide on various state routes and municipalities in Crawford, Erie, Forest, Mercer, Venango & Warren counties

Narrative: Reflective Pavement Markers (RPM), Repair & Replacement on Various state routes in Various municipalities in Crawford, Erie, Forest, Mercer, Venango & Warren counties.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|--------------|---------|-------------|-------------|
| CON | STP | \$400 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$400 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$400 | | | |

MPMS #: 87623

Municipality:

Title: Erie Act 44 Funds 2013

Route:

Section:

A/Q Status: Exempt

Improvement Type: Bridge Preservation Activities **Exempt Code:** "Not Rgnlly Significant" - do not fit exempt ctgry

Est. Let Date:

Actual Let Date:

Geographic Limits: Erie MPO on various routes in various municipalities

Narrative: 2013 Act 44 Funds Line Item Reserve for the Erie MPO on various routes in various municipalities.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|----------------|---------|-------------|-------------|
| CON | 916 | \$0 | \$0 | \$1,920 | \$0 | \$0 | \$0 |
| | | \$0 | \$0 | \$1,920 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$1,920 | | | |

MPMS #: 87624

Municipality:

Title: Erie Act 44 Funds 2014

Route:

Section:

A/Q Status: Exempt

Improvement Type: Bridge Preservation Activities **Exempt Code:** "Not Rgnlly Significant" - do not fit exempt ctgry

Est. Let Date:

Actual Let Date:

Geographic Limits: Erie MPO on various routes in various municipalities

Narrative: 2014 Act 44 Funds Line Item Reserve for the Erie MPO on various routes in various municipalities

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|----------------|---------|-------------|-------------|
| CON | 916 | \$0 | \$0 | \$0 | \$2,482 | \$0 | \$0 |
| | | \$0 | \$0 | \$0 | \$2,482 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$2,482 | | | |

Erie

MPMS #: 87625

Municipality:

Title: RR Line Item - 2013

Route:

Section:

A/Q Status: Exempt

Improvement Type: RR High Type Crossing

Exempt Code: Railroad/highway crossing

Est. Let Date:

Actual Let Date:

Geographic Limits: Erie MPO on various routes in various municipalities

Narrative: 2013 Railroad Line Item Reserve for the Erie MPO on various routes in various municipalities.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | RRX | \$0 | \$0 | \$365 | \$0 | \$0 | \$0 |
| | | \$0 | \$0 | \$365 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$365 | | | |

MPMS #: 87626

Municipality:

Title: RR Line Item - 2014

Route:

Section:

A/Q Status: Exempt

Improvement Type: RR High Type Crossing

Exempt Code: Railroad/highway crossing

Est. Let Date:

Actual Let Date:

Geographic Limits: Erie MPO on various routes in various municipalities

Narrative: 2014 Railroad Line Item Reserve for the Erie MPO on various routes in various municipalities.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | RRX | \$0 | \$0 | \$0 | \$380 | \$0 | \$0 |
| | | \$0 | \$0 | \$0 | \$380 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$380 | | | |

MPMS #: 87629

Municipality:

Title: TE Line Item - 2013

Route:

Section:

A/Q Status: Exempt

Improvement Type: Transportation Enhancement

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

Est. Let Date:

Actual Let Date:

Geographic Limits: Erie MPO on various routes in various municipalities

Narrative: 2013 Transportation Enhancement Line Item Reserve for the Erie MPO on various routes in various municipalities.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STE | \$0 | \$0 | \$252 | \$0 | \$0 | \$0 |
| | | \$0 | \$0 | \$252 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$252 | | | |

| | |
|-------------|--|
| Erie | |
|-------------|--|

MPMS #: 87630

Municipality:

Title: TE Line Item - 2014

Route:

Section:

A/Q Status: Exempt

Improvement Type: Transportation Enhancement

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

Est. Let Date:

Actual Let Date:

Geographic Limits: Erie MPO on various routes in various municipalities

Narrative: 2014 Transportation Enhancement Line Item Reserve for the Erie MPO on various routes in various municipalities

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STE | \$0 | \$0 | \$0 | \$546 | \$0 | \$0 |
| | | \$0 | \$0 | \$0 | \$546 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$546 | | | |

MPMS #: 87730

Municipality:

Title: 2013 Local Bridge Reserve

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: Various local routes in various municipalities

Narrative: 2013 Local Bridge Item Reserve for various local routes in various municipalities.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | BOO | \$0 | \$0 | \$860 | \$0 | \$0 | \$0 |
| CON | 183 | \$0 | \$0 | \$161 | \$0 | \$0 | \$0 |
| CON | LOC | \$0 | \$0 | \$54 | \$0 | \$0 | \$0 |
| | | \$0 | \$0 | \$1,075 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$1,075 | | | |

MPMS #: 87731

Municipality:

Title: 2014 Local Bridge Reserve

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: Various routes in various municipalities

Narrative: 2014 Local Bridge Line Item Reserve for various routes in various municipalities.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | BOO | \$0 | \$0 | \$0 | \$1,200 | \$0 | \$0 |
| CON | 183 | \$0 | \$0 | \$0 | \$225 | \$0 | \$0 |
| CON | LOC | \$0 | \$0 | \$0 | \$75 | \$0 | \$0 |
| | | \$0 | \$0 | \$0 | \$1,500 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$1,500 | | | |

| | |
|-------------|--|
| Erie | |
|-------------|--|

MPMS #: 87830

Municipality:

Title: 2011 TIP Line Item Res

Route:

Section:

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: Erie County on various routes and in various municipalities

Narrative: 2011 TIP Line Item Reserve for Erie County on various routes in various municipalities.

| |
|----------------------------------|
| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | CAQ | \$0 | \$1,051 | \$983 | \$0 | \$3,548 | \$0 |
| CON | BOO | \$5 | \$75 | \$341 | \$156 | \$0 | \$0 |
| CON | STP | \$0 | \$416 | \$176 | \$50 | \$8,367 | \$28,077 |
| CON | 581 | \$792 | \$244 | \$145 | \$928 | \$169 | \$0 |
| CON | 185 | \$10 | \$26 | \$229 | \$235 | \$633 | \$0 |
| CON | 916 | \$0 | \$100 | \$0 | \$0 | \$0 | \$0 |
| CON | BND | \$0 | \$0 | \$332 | \$0 | \$3,230 | \$1,432 |
| | | \$806 | \$1,913 | \$2,207 | \$1,369 | \$15,946 | \$29,509 |

Total FY 2011-2014 Cost \$6,296

MPMS #: 88670

Municipality:

Title: 3R Betterment Res - 2014

Route:

Section:

A/Q Status: Exempt

Improvement Type: Restoration

Exempt Code: Pavement resurfacing and/or rehabilitation

Est. Let Date:

Actual Let Date:

Geographic Limits: Various state routes in various municipalities

Narrative: 2014 3R Betterment line item reserve on various state routes in various municipalities.

| |
|----------------------------------|
| 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 | \$3,487 | \$0 | \$0 |
| | | \$0 | \$0 | \$0 | \$3,487 | \$0 | \$0 |

Total FY 2011-2014 Cost \$3,487

Erie

MPMS #: 90293

Municipality:

Title: 2014 SD Line Item

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: Countywide on various routes in various municipalites

Narrative: 2014 SD Line Item Reserve Countywide on various routes in various municipalites.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | BOO | \$0 | \$0 | \$0 | \$1,424 | \$0 | \$0 |
| CON | 185 | \$0 | \$0 | \$0 | \$401 | \$0 | \$0 |
| | | \$0 | \$0 | \$0 | \$1,825 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$1,825 | | | | | |

MPMS #: 92387

Municipality:

Title: Erie Inland Port

Route:

Section:

A/Q Status:

Improvement Type: Planning

Est. Let Date:

Actual Let Date:

Geographic Limits: Erie Inland Port (countywide) in various municipalities

Narrative: Planning and design activities for multi-modal transport for the Erie Inland Port (countywide) in various municipalities.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| STUDY | STP | \$300 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$300 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$300 | | | | | |

MPMS #: 92389

Municipality:

Title: NE Smart Trans Study

Route:

Section:

A/Q Status:

Improvement Type: Transportation Study

Est. Let Date:

Actual Let Date:

Geographic Limits: Various locations/areas within North East Borough and North East Township

Narrative: Smart Transportation and Land Use Stretgic Plan for Various locations /areas within North East Borough and North East Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| STUDY | STP | \$300 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$300 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$300 | | | | | |

| | |
|-------------|--|
| Erie | |
|-------------|--|

MPMS #: 946

Municipality: Mckean (Twp)

Title: Reichert Road Bridge #1

Route:

Section: 000

A/Q Status:

Improvement Type: Bridge Replacement

Est. Let Date: 02/03/2011

Actual Let Date: 02/03/2011

Geographic Limits: Reichert Road (T-661) Bridge #1 over Dry Run in McKean Township

Narrative: Bridge Replacement of Reichert Road (T-661) Bridge #1 over Dry Run in McKean Township.

| |
|----------------------------------|
| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| FD | BOO | \$16 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | 183 | \$3 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | LOC | \$1 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | BOO | \$4 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | 183 | \$1 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | LOC | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | BOF | \$532 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | 183 | \$100 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | LOC | \$33 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$690 | \$0 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$690

MPMS #: 1020

Municipality: Mckean (Twp)

Title: Reichert Road Bridge #2

Route:

Section: 000

A/Q Status:

Improvement Type: Bridge Replacement

Est. Let Date: 03/01/2012

Actual Let Date:

Geographic Limits: SR 7212, Reichert Road (T-661) Bridge #2 over Elk Creek in McKean Township

Narrative: Bridge Replacement of SR 7212, Reichert Road (T-661) Bridge #2 over Elk Creek in McKean Township.

| |
|----------------------------------|
| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| FD | BOO | \$28 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | 183 | \$5 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | LOC | \$2 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | BOO | \$4 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | 183 | \$1 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | LOC | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | BOO | \$300 | \$492 | \$0 | \$0 | \$0 | \$0 |
| CON | 183 | \$56 | \$92 | \$0 | \$0 | \$0 | \$0 |
| CON | LOC | \$19 | \$31 | \$0 | \$0 | \$0 | \$0 |
| | | \$415 | \$615 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$1,030

| | |
|-------------|--|
| Erie | |
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MPMS #: 76904

Municipality: Erie (City)

Title: State St Br ov Cnal Basin

Route:

Section: 000

A/Q Status:

Improvement Type: Bridge Replacement

Est. Let Date: 09/01/2011

Actual Let Date: 09/01/2011

Geographic Limits: State Street Bridge over Canal Basin in the City of Erie

Narrative: Local Bridge Replacement of State Street Bridge over Canal Basin in the City of Erie.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | BOO | \$588 | \$752 | \$340 | \$0 | \$0 | \$0 |
| CON | 183 | \$110 | \$141 | \$64 | \$0 | \$0 | \$0 |
| CON | LOC | \$37 | \$47 | \$21 | \$0 | \$0 | \$0 |
| | | \$735 | \$940 | \$425 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$2,100

MPMS #: 81132

Municipality:

Title: 2012 Local Bridge Reserve

Route:

Section: BRG

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: Erie MPO Countywide

Narrative: 2012 Local Bridge Line Item Reserve for the Erie MPO on various routes in various municipalities.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | BOO | \$0 | \$74 | \$0 | \$0 | \$0 | \$0 |
| | | \$0 | \$74 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$74

MPMS #: 77166

Municipality:

Title: Girard Main Street

Route:

Section: H06

A/Q Status:

Improvement Type: Transportation Enhancement

Est. Let Date: 09/02/2010

Actual Let Date: 09/02/2010

Geographic Limits: Commercial District - Main Street in Girard Borough

Narrative: Removal & replace sidewalks, tree plantings, landscaping, bench & trash receptacles, lighting, traffic calming, crosswalks & restoration of Civil War monument in the Commercial District - Main Street in Girard Borough.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STE | \$188 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$188 | \$0 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$188

Erie

MPMS #: 94764

Municipality: Erie (City)

Title: Bayfront Mobility Phs 2

Route:

Section: PCT

A/Q Status:

Improvement Type: Pedestrian Facilities

Est. Let Date: 09/13/2012

Actual Let Date:

Geographic Limits: Between 2nd Street and the Bayfront Parkway along the right-of-way of Cascade Street in the City of Erie

Narrative: The Erie-Western Pennsylvania Port Authority plans to construct a design-build pedestrian pathway between 2nd Street and the Bayfront Parkway along the right-of-way of Cascade Street in the City of Erie. The design of this project was included in the Bayfront Mobility Initiative, Phase 1 project (MPMS 87067).

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STP | \$0 | \$1,022 | \$0 | \$0 | \$0 | \$0 |
| | | \$0 | \$1,022 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$1,022

MPMS #: 67028

Municipality:

Title: Summer St. RRX - 2003

Route:

Section: R11

A/Q Status:

Improvement Type: RR Warning Devices

Est. Let Date:

Actual Let Date:

Geographic Limits: Summer Street Railroad Crossing over the Allegheny and Eastern Railroad in the City of Corry

Narrative: Railroad Warning Device to Summer Street Railroad Crossing (AAR# 528424U) over the Allegheny and Eastern Railroad in the City of Corry.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | RRX | \$143 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$143 | \$0 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$143

MPMS #: 87332

Municipality: Union (Twp)

Title: O'Neil Road RR Xing

Route:

Section: R21

A/Q Status:

Improvement Type: RR Warning Devices

Est. Let Date: 09/30/2010

Actual Let Date:

Geographic Limits: O'Neil Road Railroad Crossing - AAR #528516G over Buffalo & Pittsburgh Railroad at milepost 28.71 in Union

Narrative: Railroad Warning Devices on O'Neil Road Railroad Crossing - AAR #528516G over Buffalo & Pittsburgh Railroad at milepost 28.71 in Union Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | RRX | \$55 | \$95 | \$0 | \$0 | \$0 | \$0 |
| | | \$55 | \$95 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$150

Erie

MPMS #: 81138

Municipality:

Title: RR Line Item - 2012

Route:

Section: RRX

A/Q Status: Exempt

Improvement Type: RR High Type Crossing

Exempt Code: Railroad/highway crossing

Est. Let Date:

Actual Let Date:

Geographic Limits: Erie County

Narrative: 2012 RR Line Item Reserve for the Erie MPO on various routes in various municipalities.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | RRX | \$0 | \$256 | \$0 | \$0 | \$0 | \$0 |
| | | \$0 | \$256 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$256 | | | |

MPMS #: 72860

Municipality:

Title: Asbury Road Bike Lanes

Route:

Section: S02

A/Q Status:

Improvement Type: Transportation Enhancement

Est. Let Date: 08/23/2012

Actual Let Date:

Geographic Limits: construction of 4 ' bike lanes that will connect the North Coast School with several residential neighborhoods to

Narrative: Safe Routes To School for the construction of a 4 foot bike lanes to connect North Coast School with several neighborhoods to the south along Asbury Road in Millcreek Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STE | \$278 | \$100 | \$0 | \$0 | \$0 | \$0 |
| | | \$278 | \$100 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$379 | | | |

MPMS #: 77178

Municipality:

Title: Concord St. Sidewalk Proj

Route:

Section: T20

A/Q Status:

Improvement Type: Transportation Enhancement

Est. Let Date: 09/23/2010

Actual Let Date: 09/23/2010

Geographic Limits: Concord Street in the Borough of Union City

Narrative: Replace & provide sidewalks on Concord Street in the Borough of Union City.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STE | \$34 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$34 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$34 | | | |

Erie

MPMS #: 92864

Municipality: Erie (City)

Title: Perry Square Stscape Ph 3

Route:

Section: T23

A/Q Status:

Improvement Type: Transportation Enhancement

Est. Let Date: 08/23/2012

Actual Let Date:

Geographic Limits: Perry Square from South Park Row to State Street in the City of Erie

Narrative: The City of Erie plans to construct a streetscape project in Perry Square from South Park Row to North Park Row. The project will include milling and paving of State Street, inslatllation of new concrete curbs and sidewalk on the east and west sides of State Street, crosswalks with pavers (two) across State Street at the north and south entrances to Perry Square, four streetlights on State Street, painting of two existing mid-block banner poles, thermoplastic pavement marking on State Street and four gateway structures with lighting each located on the east and west sides of State Street at the north and south entrances to Perry Square.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STE | \$0 | \$370 | \$0 | \$0 | \$0 | \$0 |
| | | \$0 | \$370 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$370

MPMS #: 92865

Municipality: Lawrence Park (Twp)

Title: School Zone Sfty Enhance

Route:

Section: T24

A/Q Status: Exempt

Improvement Type: Transportation Enhancement Exempt Code: Traf contl devc & oper assist - nonsignalization

Est. Let Date: 08/23/2012

Actual Let Date:

Geographic Limits: SR 4032 (Main Street) from Silliman Avenue to Iroquois Avenue and Morse Street from Smithson Avenue to T

Narrative: Lawrence Park Township will be installing two electronic school zones speed limit signs for the Iroquois School District. The signs will be placed on Main Street (SR 4032) from Silliman Avenue to Iroquois Avenue (adjacent to the Jr/Sr high school) and on Morse Street (township road) from Smithson Avenue to Tyndall Avenue (adjacent to the elementary school).

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STE | \$0 | \$0 | \$88 | \$0 | \$0 | \$0 |
| | | \$0 | \$0 | \$88 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$88

Erie

MPMS #: 92867

Municipality: Erie (City)

Title: Gr Lakes Swy Trail Signs

Route:

Section: T25

A/Q Status: Exempt

Improvement Type: Transportation Enhancement Exempt Code: Directional and informational signs

Est. Let Date: 08/23/2012

Actual Let Date:

Geographic Limits: Great Lakes Seaway Trail Corridor in the City of Erie, Springfield, Girard, Fairview, Millcreek, Lawrence Park,

Narrative: This project is for the fabrication of 150 Great Lakes Seaway Trail trailblazer signs and 150 American's Byway horizontal signs. The signs will be installed along the entire Great Lakes Seaway Trail Corridor in Pennsylvania, from the Ohio border to the New York border. The signs will be installed in the City of Erie, Springfield, Girard, Fairview, Millcreek, Lawrence Park, Harborcreek and North East Townships and Lake City Borough.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STE | \$0 | \$0 | \$10 | \$0 | \$0 | \$0 |
| | | \$0 | \$0 | \$10 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$10 | | | |

MPMS #: 92869

Municipality: Edinboro (Boro)

Title: Lakeside Dr Sidewalk

Route:

Section: T26

A/Q Status: Exempt

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

Est. Let Date: 08/23/2012

Actual Let Date:

Geographic Limits: Lakeside Drive in the Borough of Edinboro

Narrative: The Borough of Edinboro plans to extend the existing sidewalk on Lakeside Drive. This project is for the extension/construction of a 550 foot long, 6 foot wide concrete sidewalk built on compacted gravel base that parallels Lakeside Drive and the western shore of Edinboro Lake.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STE | \$0 | \$0 | \$90 | \$0 | \$0 | \$0 |
| | | \$0 | \$0 | \$90 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$90 | | | |

Erie

MPMS #: 92870

Municipality: Corry (City)

Title: Corry Trail Phase 3

Route:

Section: T27

A/Q Status: Exempt

Improvement Type: Transportation Enhancement

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

Est. Let Date: 08/23/2012

Actual Let Date:

Geographic Limits: Corry Greenway Junction Trail from SR 2027 and Mill Road at the NY and PA line to Center Street and Colum

Narrative: The Northwest PA Trail Association plans to pave the east and west ends of the Corry Rail Trail that goes from Corry to the New York state line. This project is a rail trail that connects Corry, PA to Clymer, NY. The project will include paving, drainage, safety updates and construction inspection of the Corry Greenway Junction Trail from SR 2027 and Mill Road at the NY and PA line to Center Street and Columbus Avenue in the City of Corry.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STE | \$0 | \$35 | \$85 | \$0 | \$0 | \$0 |
| | | \$0 | \$35 | \$85 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$120 | | | |

MPMS #: 85771

Municipality: Erie (City)

Title: Erie ADA Group 1-09

Route: 5

Section: ADA

A/Q Status: Exempt

Improvement Type: Pedestrian Facilities

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

Est. Let Date: 04/30/2009

Actual Let Date: 04/30/2009

Geographic Limits: State Routes 5, 8, 19, 20, 197, 505, 4014 & 4016 in the City of Erie, Wesleyville Borough, Harborcreek, Millcre

Narrative: Economic Recovery - Erie Curb Cut Replacements on State Routes 5, 8, 19, 20, 197, 505, 4014 & 4016 in the City of Erie, Wesleyville Borough, Millcreek, Harborcreek and Lawrence Park Townships.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STP | \$20 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$20 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$20 | | | |

MPMS #: 1167

Municipality: Lawrence Park (Twp)

Title: E. Lake Rd./Four Mile Ck

Route: 5

Section: B03

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

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

Est. Let Date: 12/01/2011

Actual Let Date: 12/01/2011

Geographic Limits: PA 5 (East Lake Road) Bridge over Four Mile Creek in Lawrence Park Township

Narrative: Rehabilitation of PA 5 (East Lake Road) Bridge over Four Mile Creek in Lawrence Park Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|---------|---------|-------------|-------------|
| ROW | 185 | \$10 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | 916 | \$0 | \$916 | \$0 | \$0 | \$0 | \$0 |
| | | \$10 | \$916 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$926 | | | |

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| Erie | |
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MPMS #: 72420

Municipality: Harborcreek (Twp)

Title: East Lake Road Br/PA 5

Route: 5

Section: B07

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 09/13/2012

Actual Let Date:

Geographic Limits: PA 5 (East Lake Road) Bridge over Five Mile Creek in Harborcreek Township

Narrative: Replacement of PA 5 (East Lake Road) Bridge over Five Mile Creek in Harborcreek Township.

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| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|--------------|---------|---------|---------|-------------|-------------|
| FD | 185 | \$120 | \$0 | \$0 | \$0 | \$0 | \$0 |
| UTL | BND | \$0 | \$80 | \$0 | \$0 | \$0 | \$0 |
| ROW | 185 | \$52 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | 185 | \$0 | \$379 | \$0 | \$0 | \$0 | \$0 |
| | | \$172 | \$459 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$630 | | | | | |

MPMS #: 82970

Municipality: Fairview (Twp)

Title: West Lake Br/Walnut Ck

Route: 5

Section: B08

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

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

Est. Let Date: 12/01/2011

Actual Let Date: 12/01/2011

Geographic Limits: PA 5 (West Lake Road) Bridge over Walnut Creek in Fairview Township

Narrative: This project includes a 63 feet long bridge rehabilitation, stream bed paving, extending the arches by 10 feet, which limits slope excavation, a new U through wings & waterproof membrane on SR 5 (West Lake Road) over Walnut Creek in Fairview Township.

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| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|----------------|---------|---------|---------|-------------|-------------|
| ROW | 185 | \$10 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | BOO | \$960 | \$0 | \$388 | \$0 | \$0 | \$0 |
| CON | 185 | \$240 | \$0 | \$97 | \$0 | \$0 | \$0 |
| | | \$1,210 | \$0 | \$485 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$1,695 | | | | | |

Erie

MPMS #: 82972

Municipality: Harborcreek (Twp)

Title: E. Lake Rd/12 Mile Creek

Route: 5

Section: B09

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

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

Est. Let Date: 12/01/2011

Actual Let Date: 12/01/2011

Geographic Limits: PA 5 (East Lake Road) over 12 Mile Creek in Harborcreek & North East Townships

Narrative: Bridge Rehabilitation of PA 5 (East Lake Road) Bridge over 12 Mile Creek in Harborcreek and Northeast Townships.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| ROW | 185 | \$10 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | 916 | \$0 | \$930 | \$0 | \$0 | \$0 | \$0 |
| | | \$10 | \$930 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$940 | | | |

MPMS #: 84025

Municipality: Springfield (Twp)

Title: PA 5/Turkey Creek Trib #2

Route: 5

Section: B10

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 06/09/2011

Actual Let Date: 06/09/2011

Geographic Limits: PA 5 (West Lake Road) Bridge over Turkey Creek Branch in Springfield Township

Narrative: Replacement of PA 5 (West Lake Road) Bridge over Turkey Creek Branch in Springfield Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| FD | 916 | \$60 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | 916 | \$16 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | BOO | \$310 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | 185 | \$78 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$464 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$464 | | | |

MPMS #: 90025

Municipality: Springfield (Twp)

Title: PA 5 over Trib Lake Erie

Route: 5

Section: B11

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 09/13/2012

Actual Let Date:

Geographic Limits: PA 5 (West Lake Road) Bridge over Tributary of Lake Erie in Springfield Township

Narrative: Bridge Replacement on PA 5 (West Lake Road) over a Tributary of Lake Erie in Springfield Township

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| PE | 185 | \$50 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | STP | \$0 | \$328 | \$0 | \$0 | \$0 | \$0 |
| | | \$50 | \$328 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$378 | | | |

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| Erie | |
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MPMS #: 75973

Municipality: Mill Village (Boro)

Title: Mill Village RR Underpass

Route: 6

Section: A05

A/Q Status: Exempt

Improvement Type: Restoration

Exempt Code: Safety improvement program

Est. Let Date: 06/26/2014

Actual Let Date:

Geographic Limits: US 6 (West Center Street), Mill Village Railroad Underpass over French Creek Tributary in Mill Village Borough

Narrative: This project includes the lowering of the roadway to improve the drainage and sight distance for .19 miles on US 6 (West Center Street) at the Mill Village Railroad Underpass over French Creek Tributary in Mill Village Borough.

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| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| UTL | STP | \$0 | \$0 | \$90 | \$0 | \$0 | \$0 |
| UTL | 581 | \$0 | \$0 | \$22 | \$0 | \$0 | \$0 |
| ROW | STP | \$0 | \$0 | \$225 | \$0 | \$0 | \$0 |
| ROW | 581 | \$0 | \$0 | \$56 | \$0 | \$0 | \$0 |
| CON | STP | \$0 | \$0 | \$0 | \$936 | \$0 | \$0 |
| CON | 581 | \$0 | \$0 | \$0 | \$234 | \$0 | \$0 |
| | | \$0 | \$0 | \$394 | \$1,170 | \$0 | \$0 |

Total FY 2011-2014 Cost \$1,564

MPMS #: 58184

Municipality: Wayne (Twp)

Title: US 6 Br over Beaver Run

Route: 6

Section: B04

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 09/23/2010

Actual Let Date: 09/23/2010

Geographic Limits: US 6 (Grand Army of the Republic Highway) Bridge over Beaver Run in Wayne Township

Narrative: Replacement of US 6 (Grand Army of the Republic Highway) Bridge over Beaver Run in Wayne Township.

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| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | BOO | \$0 | \$40 | \$0 | \$0 | \$0 | \$0 |
| CON | 185 | \$0 | \$10 | \$0 | \$0 | \$0 | \$0 |
| | | \$0 | \$50 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$50

Erie

MPMS #: 74590

Municipality: Millcreek (Twp)

Title: PA 8 Bridge over Mill Crk

Route: 8

Section: B02

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

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

Est. Let Date: 06/27/2013

Actual Let Date:

Geographic Limits: PA 8 (Wattsburg Road) Bridge over Mill Creek in Millcreek Township

Narrative: This project includes the rehabilitation of the PA 8 (Wattsburg Road) bridge over Mill Creek in Millcreek Township. The bridge is 18 feet long.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | BND | \$52 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | BND | \$0 | \$54 | \$0 | \$0 | \$0 | \$0 |
| ROW | BND | \$0 | \$54 | \$0 | \$0 | \$0 | \$0 |
| CON | BND | \$0 | \$0 | \$506 | \$0 | \$0 | \$0 |
| | | \$52 | \$108 | \$506 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$666

MPMS #: 88594

Municipality: Millcreek (Twp)

Title: PA 8: Wattsburg Rd Bridge

Route: 8

Section: B04

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 06/27/2013

Actual Let Date:

Geographic Limits: PA 8 (Wattsburg Road) Bridge over Millcreek Tributary in Millcreek and Greene Townships

Narrative: This project involves the replacement of the PA 8 (Wattsburg Road) bridge over the Millcreek Tributary in Millcreek and Greene Townships. The bridge is 10 feet long.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | BND | \$104 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | BND | \$0 | \$54 | \$0 | \$0 | \$0 | \$0 |
| ROW | BND | \$0 | \$54 | \$0 | \$0 | \$0 | \$0 |
| CON | 916 | \$0 | \$0 | \$562 | \$0 | \$0 | \$0 |
| | | \$104 | \$108 | \$562 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$775

| | |
|-------------|--|
| Erie | |
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MPMS #: 82999

Municipality: Elk Creek (Twp)

Title: PA 18 - RT 6N to SR 20

Route: 18

Section: 02M

A/Q Status: Exempt

Improvement Type: Restoration

Exempt Code: Pavement resurfacing and/or rehabilitation

Est. Let Date: 03/31/2011

Actual Let Date: 03/31/2011

Geographic Limits: PA 18 from State Route 3006 (Route 6N) to US 20 in Cranesville and Platea Boroughs, and Elk Creek and Girard Townships.

Narrative: Highway Restoration of PA 18 from State Route 3006 (Rt. 6N) to US 20 in Cranesville and Platea Boroughs; Elk Creek and Girard Townships.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|----------------|---------|---------|---------|-------------|-------------|
| CON | STP | \$2,400 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$2,400 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$2,400 | | | | | |

MPMS #: 89114

Municipality: Elk Creek (Twp)

Title: SR 18 ov Connt Ck E. Brch

Route: 18

Section: B06

A/Q Status:

Improvement Type: Bridge Replacement

Est. Let Date: 06/21/2012

Actual Let Date:

Geographic Limits: SR 18 (Meadville Street) Bridge over Conneaut Creek East Branch in Elk Creek Township

Narrative: Replacement - PC box of SR 18 (Meadville Street) Bridge over Conneaut Creek East Branch in Elk Creek Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|--------------|---------|---------|---------|-------------|-------------|
| PE | 916 | \$160 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | 185 | \$0 | \$150 | \$0 | \$0 | \$0 | \$0 |
| CON | 916 | \$0 | \$500 | \$0 | \$0 | \$0 | \$0 |
| | | \$160 | \$650 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$810 | | | | | |

Erie

MPMS #: 786

Municipality: Summit (Twp)

Title: Peach St @ I-90 Intrchnge

Route: 19

Section: A07

A/Q Status: Significant

Improvement Type: Intersection Improvement

Est. Let Date: 09/02/2011

Actual Let Date: 09/02/2011

Geographic Limits: US 19 (Peach Street) & I-90 in Summit Township

Narrative: This project includes the widening of SR 19 (Peach Street) and the reconfiguration of the interchange to accommodate dual left turn lanes to I-90 EB and WB, construct turning lane at Downs Drive, widen acceleration ramps to current standards, update signals, drainage, signs and pavement markings for 4.44 miles at the intersection of SR 19 (Peach Street) and Interstate 90 in Summit Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| UTL | HSIP | \$832 | \$0 | \$0 | \$0 | \$0 | \$0 |
| UTL | 581 | \$208 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | HSIP | \$201 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | STP | \$199 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | 581 | \$100 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | STP | \$400 | \$5,257 | \$3,343 | \$472 | \$0 | \$0 |
| CON | HSIP | \$0 | \$1,043 | \$1,085 | \$1,128 | \$0 | \$0 |
| CON | 581 | \$100 | \$1,575 | \$1,107 | \$400 | \$0 | \$0 |
| | | \$2,040 | \$7,875 | \$5,535 | \$2,000 | \$0 | \$0 |

Total FY 2011-2014 Cost \$17,450

MPMS #: 68138

Municipality: Millcreek (Twp)

Title: Peach St/US19: Kuntz-Chry

Route: 19

Section: A08

A/Q Status: Exempt

Improvement Type: Pedestrian Facilities

Exempt Code: Safety improvement program

Est. Let Date: 02/09/2012

Actual Let Date:

Geographic Limits: US 19 (Peach Street) from Kuntz Road to Cherry Street in Millcreek Township and the City of Erie

Narrative: This project includes adding sidewalks, curb ramps, and short retaining walls on US 19 (Peach Street) for 4.81 miles from Kuntz Road to Cherry Street in Millcreek Township and the City of Erie.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| FD | CAQ | \$624 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | 581 | \$156 | \$0 | \$0 | \$0 | \$0 | \$0 |
| UTL | CAQ | \$832 | \$0 | \$0 | \$0 | \$0 | \$0 |
| UTL | 581 | \$208 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | CAQ | \$800 | \$832 | \$0 | \$0 | \$0 | \$0 |
| ROW | 581 | \$200 | \$208 | \$0 | \$0 | \$0 | \$0 |
| CON | CAQ | \$710 | \$1,000 | \$890 | \$0 | \$0 | \$0 |
| CON | 581 | \$178 | \$250 | \$223 | \$0 | \$0 | \$0 |
| | | \$3,708 | \$2,290 | \$1,113 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$7,110

Erie

MPMS #: 76191

Municipality: Waterford (Twp)

Title: S Waterford Improvements

Route: 19

Section: S01

A/Q Status: Exempt

Improvement Type: Safety Improvement

Exempt Code: Safety improvement program

Est. Let Date: 06/27/2013

Actual Let Date:

Geographic Limits: US 19 (Waterford Pike) at the southern intersection of SR 19 and SR 97 (Waterford Street) in Waterford Township

Narrative: This project includes the construction of a roundabout along with minor roadway alignment and profile changes, appropriate signing and pavement markings on US 19 (Waterford Pike) at the southern intersection of SR 19 and SR 97 (Waterford Street) for .21 miles in Waterford Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| FD | STP | \$18 | \$72 | \$0 | \$0 | \$0 | \$0 |
| FD | 581 | \$2 | \$8 | \$0 | \$0 | \$0 | \$0 |
| ROW | CAQ | \$0 | \$703 | \$0 | \$0 | \$0 | \$0 |
| CON | CAQ | \$0 | \$0 | \$975 | \$2,962 | \$0 | \$0 |
| | | \$20 | \$783 | \$975 | \$2,962 | \$0 | \$0 |

Total FY 2011-2014 Cost \$4,740

MPMS #: 83185

Municipality: Summit (Twp)

Title: US 19: Townhall Rd Impr

Route: 19

Section: S02

A/Q Status: Exempt

Improvement Type: Corridor Safety Improvement

Exempt Code: Changes in vertical and horizontal alignment

Est. Let Date: 03/20/2014

Actual Let Date:

Geographic Limits: US 19 (Waterford Pike) from the PennDOT maintenance shed to Dorn Road in Summit Township

Narrative: This project includes realigning Townhall Road to create a cross intersection at Dorn Road to US 19 (Waterford Pike) for .46 miles from the PennDOT maintenance shed to Dorn Road in Summit Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| FD | STP | \$0 | \$216 | \$0 | \$0 | \$0 | \$0 |
| FD | 581 | \$0 | \$54 | \$0 | \$0 | \$0 | \$0 |
| UTL | STP | \$0 | \$0 | \$90 | \$0 | \$0 | \$0 |
| UTL | 581 | \$0 | \$0 | \$22 | \$0 | \$0 | \$0 |
| ROW | STP | \$0 | \$0 | \$90 | \$0 | \$0 | \$0 |
| ROW | 581 | \$0 | \$0 | \$22 | \$0 | \$0 | \$0 |
| CON | STP | \$0 | \$0 | \$0 | \$1,404 | \$0 | \$0 |
| CON | 581 | \$0 | \$0 | \$0 | \$351 | \$0 | \$0 |
| | | \$0 | \$270 | \$225 | \$1,755 | \$0 | \$0 |

Total FY 2011-2014 Cost \$2,250

Erie

MPMS #: 92826

Municipality: Harborcreek (Twp)

Title: SR 20:Moorehd to Cemetery

Route: 20

Section: 15M

A/Q Status:

Improvement Type: Restoration

Est. Let Date:

Actual Let Date:

Geographic Limits: SR 20 (Buffalo Road) from Mooreheadville Road to Cemetery Road in Harborcreek and North East Townships

Narrative: This project includes 5.93 miles of cold mill recycle and highway restoration of SR 20 (Buffalo Road) from Mooreheadville Road to Cemetery Road in North East and Harborcreek Townships.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STP | \$0 | \$215 | \$1,572 | \$1,213 | \$0 | \$0 |
| | | \$0 | \$215 | \$1,572 | \$1,213 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$3,000 | | | | | |

MPMS #: 82122

Municipality: Washington (Twp)

Title: District ITS Initiative

Route: 79

Section: PHA

A/Q Status: Exempt

Improvement Type: Traffic System Management Exempt Code: Traf contl devc & oper assist - nonsignalization

Est. Let Date: 09/23/2010

Actual Let Date: 09/23/2010

Geographic Limits: District wide

Narrative: District ITS Initiative
District wide, various municipalites
Installation of traffic cameras, advisory radios and message signs

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | 581 | \$0 | \$550 | \$0 | \$0 | \$0 | \$0 |
| | | \$0 | \$550 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$550 | | | | | |

MPMS #: 88596

Municipality: Franklin (Twp)

Title: PA 98 ov Cussewago Ck

Route: 98

Section: B01

A/Q Status: Exempt

Improvement Type: Bridge Replacement Exempt Code: Widen narw. pave. or recon brdgs (No addtl lanes)

Est. Let Date: 06/26/2014

Actual Let Date:

Geographic Limits: PA 98 Bridge over Cussewago Creek in Franklin Township

Narrative: This project includes the replacement of the PA 98 bridge, which is 21 feet long and is over Cussewago Creek for in Franklin Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| PE | 916 | \$250 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | BND | \$0 | \$0 | \$56 | \$0 | \$0 | \$0 |
| ROW | BND | \$0 | \$0 | \$56 | \$0 | \$0 | \$0 |
| CON | BND | \$0 | \$0 | \$0 | \$585 | \$0 | \$0 |
| | | \$250 | \$0 | \$112 | \$585 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$947 | | | | | |

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| Erie | |
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MPMS #: 649

Municipality: Fairview (Twp)

Title: Avonia Rd over I-90

Route: 98

Section: B02

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 06/26/2014

Actual Let Date:

Geographic Limits: PA 98 (Avonia Road) Bridge over Interstate 90 in Fairview Township

Narrative: This project includes the replacement of the PA 98 (Avonia Road) bridge, which is 195 feet long and is over Interstate 90 in Fairview Township.

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| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | 916 | \$400 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | BOO | \$0 | \$0 | \$270 | \$0 | \$0 | \$0 |
| FD | 185 | \$0 | \$0 | \$67 | \$0 | \$0 | \$0 |
| ROW | BOO | \$0 | \$0 | \$45 | \$0 | \$0 | \$0 |
| ROW | 185 | \$0 | \$0 | \$11 | \$0 | \$0 | \$0 |
| CON | BOO | \$0 | \$0 | \$0 | \$2,144 | \$1,800 | \$0 |
| CON | 185 | \$0 | \$0 | \$0 | \$536 | \$200 | \$0 |
| | | \$400 | \$0 | \$394 | \$2,680 | \$2,000 | \$0 |

Total FY 2011-2014 Cost \$3,474

MPMS #: 91488

Municipality: Summit (Twp)

Title: SR 97:Perry Hwy-Old Fr Rd

Route: 197

Section: 01M

A/Q Status:

Improvement Type: Restoration

Est. Let Date: 02/17/2011

Actual Let Date: 02/17/2011

Geographic Limits: SR 197 from Perry Highway (Old SR 97) to Old French Road in Summit and Millcreek Townships and the City

Narrative: Mill and overlay on SR 197 from Perry Highway (Old SR 97) to Old French Road in Summit and Millcreek Townships and the City of Erie.

| |
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| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | STP | \$2,125 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$2,125 | \$0 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$2,125

Erie

MPMS #: 88600

Municipality: Union City (Boro)

Title: SR 197/Fr. Ck S. Branch

Route: 197

Section: B00

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 06/26/2014

Actual Let Date:

Geographic Limits: State Route 197 (Waterford Street, Old PA 97) Bridge over French Creek South Branch in Union City Borough

Narrative: This project includes the replacement of the SR 197 (Waterford Street, Old PA 97) bridge over French Creek South Branch in the Borough of Union City. The bridge is 27 feet long.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | BND | \$0 | \$108 | \$0 | \$0 | \$0 | \$0 |
| FD | BND | \$0 | \$0 | \$56 | \$0 | \$0 | \$0 |
| ROW | BND | \$0 | \$0 | \$56 | \$0 | \$0 | \$0 |
| CON | BND | \$0 | \$0 | \$0 | \$351 | \$0 | \$0 |
| | | \$0 | \$108 | \$112 | \$351 | \$0 | \$0 |

Total FY 2011-2014 Cost \$572

MPMS #: 92506

Municipality: Harborcreek (Twp)

Title: Erie SR 430

Route: 430

Section: 244

A/Q Status:

Improvement Type: Restoration

Est. Let Date: 06/23/2011

Actual Let Date: 06/23/2011

Geographic Limits: SR 430 (Station Road) in Harborcreek and Greenfield Townships

Narrative: Mill & overlay and replace 7' cross pipe on SR 430 (Station Road) in Harborcreek and Greenfield Townships.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | 916 | \$1,346 | \$360 | \$0 | \$0 | \$0 | \$0 |
| | | \$1,346 | \$360 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$1,706

Erie

MPMS #: 990

Municipality: Millcreek (Twp)

Title: Steretania/Walnut Bridge

Route: 832

Section: B01

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 12/15/2011

Actual Let Date: 12/15/2011

Geographic Limits: PA 832 (Sterrettania Road) /Walnut Bridge over Walnut Creek in Millcreek Township

Narrative: This project includes the replacement of the PA 832 (Sterrettania Road) Walnut Bridge over Walnut Creek in Millcreek Township. This bridge is 210 feet long. Work to include the construction of a single span composite steel multi-girder bridge, removal of the existing structure, new approach roadways using superpave asphalt mixture designs, guidrail, drainage, delineation, signing and landscaping all within 0.124 mile.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| FD | BOO | \$36 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | 185 | \$9 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | BOO | \$0 | \$3,600 | \$0 | \$0 | \$0 | \$0 |
| CON | 185 | \$0 | \$900 | \$0 | \$0 | \$0 | \$0 |
| | | \$45 | \$4,500 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$4,545

MPMS #: 82918

Municipality: Harborcreek (Twp)

Title: Iroquois Ave Arch

Route: 955

Section: B00

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 06/04/2009

Actual Let Date: 06/04/2009

Geographic Limits: SR 955 (Iroquois Avenue) Arch over Six Mile Creek, Harborcreek Township

Narrative: Economic Recovery - Bridge Replacement of SR 955 (Iroquois Avenue) Arch over Six Mile Creek in Harborcreek Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| CON | BOO | \$85 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$85 | \$0 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$85

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| Erie | |
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MPMS #: 84026

Municipality: Harborcreek (Twp)

Title: PA 955 Iroquois Ave Br #2

Route: 955

Section: B02

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 06/23/2011

Actual Let Date: 06/23/2011

Geographic Limits: PA 955 (Iroquois Avenue) Bridge over Seven Mile Creek Tributary in Harborcreek Township

Narrative: Replacement of PA 955 (Iroquois Avenue) Bridge over Seven Mile Creek Tributary in Harborcreek Township.

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| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|--------------|---------|-------------|-------------|
| ROW | BND | \$52 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | BND | \$424 | \$50 | \$0 | \$0 | \$0 | \$0 |
| | | \$476 | \$50 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$526 | | | |

MPMS #: 72621

Municipality: Harborcreek (Twp)

Title: SR 955 over Rachel Run #1

Route: 955

Section: B03

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 06/24/2010

Actual Let Date: 06/24/2010

Geographic Limits: SR 955 (Iroquois Ave. Bridge No. 1) over Rachel Run, Harborcreek Township

Narrative: Bridge Replacement of SR 955 (Iroquois Avenue Bridge No. 1) over Rachel Run #1 Harborcreek Township.

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| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|-------------|---------|-------------|-------------|
| UTL | 185 | \$38 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$38 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$38 | | | |

MPMS #: 72623

Municipality: North East (Twp)

Title: Twelve Mile Ck Br/SR 1008

Route: 1008

Section: B00

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 06/21/2012

Actual Let Date:

Geographic Limits: State Route 1008 (Side Hill Road) Bridge over Twelve Mile Creek in North East Township

Narrative: Bridge Replacement of State Route 1008 (Side Hill Road) over Twelve Mile Creek in North East Township.

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|----------------------------------|
| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|----------------|---------|-------------|-------------|
| CON | BOO | \$0 | \$1,000 | \$0 | \$0 | \$0 | \$0 |
| | | \$0 | \$1,000 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$1,000 | | | |

Erie

MPMS #: 58227

Municipality: Union (Twp)

Title: SR 2010 over Pine Run

Route: 2010

Section: B01

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 01/07/2010

Actual Let Date: 01/07/2010

Geographic Limits: SR 2010 (Concord Road) Bridge over Pine Run in Union Township

Narrative: Bridge Replacement of SR 2010 (Concord Road) Bridge over Pine Run in Union Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | BOO | \$15 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$15 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$15 | | | |

MPMS #: 721

Municipality: Union City (Boro)

Title: Bridge St/Bentley Run

Route: 2011

Section: B01

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 10/01/2009

Actual Let Date: 10/01/2009

Geographic Limits: SR 2011 (Bridge Street) over Bentley Run, Union City Borough

Narrative: Bridge Replacement of SR 2011 (Bridge Street) over Bentley Run in Union City Borough.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| CON | BOO | \$118 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | 185 | \$35 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$153 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$153 | | | |

MPMS #: 72639

Municipality: Concord (Twp)

Title: Frnch Ck South Br/SR 2020

Route: 2020

Section: B00

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

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

Est. Let Date: 05/10/2012

Actual Let Date:

Geographic Limits: State Route 2020 (Washington Street) Bridge over South Branch of French Creek in Concord Township

Narrative: Rehabilitation of State Route 2020 (Washington Street) Bridge over South Branch of French Creek in Concord Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------------------------|------|---------|---------|---------|---------|-------------|-------------|
| FD | BND | \$52 | \$54 | \$0 | \$0 | \$0 | \$0 |
| ROW | BND | \$0 | \$54 | \$0 | \$0 | \$0 | \$0 |
| CON | BND | \$0 | \$379 | \$0 | \$0 | \$0 | \$0 |
| | | \$52 | \$487 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$539 | | | |

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| Erie | |
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MPMS #: 72640

Municipality: Wayne (Twp)

Title: Bear Creek/SR 2024

Route: 2024

Section: B01

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: 04/14/2011

Geographic Limits: State Route 2024 (Carter Hill Road) Bridge over Bear Creek in Wayne Township

Narrative: Replacement of State Route 2024 (Carter Hill Road) Bridge over Bear Creek in Wayne Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|--------------|---------|-------------|-------------|
| ROW | BND | \$26 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | BND | \$364 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$390 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$390 | | | |

MPMS #: 91406

Municipality: Elk Creek (Twp)

Title: SR 3006: SR 98-SR 99/699

Route: 3006

Section: 05M

A/Q Status:

Improvement Type: Restoration

Est. Let Date: 03/31/2011

Actual Let Date: 03/31/2011

Geographic Limits: SR 3006 (SR 6N) from Crossingville Road to Plum Street in Elk Creek and Washington Townships and Edinboro

Narrative: Highway Restoration on SR 3006 (SR 6N) from Crossingville Road to Plum Street in Elk Creek and Washington Townships and Edinboro Borough.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|--------------------------------|------|---------|---------|----------------|---------|-------------|-------------|
| CON | STP | \$2,175 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$2,175 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | | \$2,175 | | | |

Erie

MPMS #: 88711

Municipality: Washington (Twp)

Title: SR 3006: Fry Road

Route: 3006

Section: A00

A/Q Status: Exempt

Improvement Type: Intersection Improvement

Exempt Code: Safety improvement program

Est. Let Date: 03/28/2013

Actual Let Date:

Geographic Limits: State Route 3006 (Crossingville Road) from the intersection with Washington Town Boulevard to 500' east of th

Narrative: This project includes the construction of a left turn lane at Fry Road, minor grade adjustment, widening, resurfacing, construction of paved shoulders, drianage and pavement on State Route 3006 (Crossingville Road) for .84 miles from the intersection with Washington Town Boulevard to 500 feet east of the intersection with Fry Road in Washington Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| FD | STP | \$83 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | 581 | \$21 | \$0 | \$0 | \$0 | \$0 | \$0 |
| UTL | STP | \$0 | \$87 | \$0 | \$0 | \$0 | \$0 |
| UTL | 581 | \$0 | \$22 | \$0 | \$0 | \$0 | \$0 |
| ROW | STP | \$0 | \$216 | \$0 | \$0 | \$0 | \$0 |
| ROW | 581 | \$0 | \$54 | \$0 | \$0 | \$0 | \$0 |
| CON | STP | \$0 | \$0 | \$1,350 | \$0 | \$0 | \$0 |
| CON | 581 | \$0 | \$0 | \$337 | \$0 | \$0 | \$0 |
| | | \$104 | \$379 | \$1,687 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$2,170

MPMS #: 82120

Municipality: Girard (Twp)

Title: SR 3014/Little Elk Creek

Route: 3014

Section: B01

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

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

Est. Let Date: 09/18/2014

Actual Let Date:

Geographic Limits: State Route 3014 (Franklin Center Road) Bridge over Little Elk Creek in Girard Township

Narrative: This project includes the superstructure rehabilitation of SR 3014 (Franklin Center Road) bridge over Little Elk Creek in Girard Township. The bridge is 37 feet long.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | 185 | \$150 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | BND | \$0 | \$0 | \$0 | \$58 | \$0 | \$0 |
| ROW | BND | \$0 | \$0 | \$56 | \$0 | \$0 | \$0 |
| CON | BND | \$0 | \$0 | \$0 | \$185 | \$224 | \$0 |
| | | \$150 | \$0 | \$56 | \$244 | \$224 | \$0 |

Total FY 2011-2014 Cost \$450

| | |
|-------------|--|
| Erie | |
|-------------|--|

MPMS #: 1293

Municipality: Waterford (Boro)

Title: East Park Road Bridge

Route: 3014

Section: B02

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 06/11/2015

Actual Let Date:

Geographic Limits: State Route 3014 (East Park Road) Bridge over Trout Run in Waterford Borough

Narrative: This project includes the replacement of the SR 3014 (East Park Road) bridge over Trout Run in the Borough of Waterford. The bridge is 43 feet long.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | 916 | \$250 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | BOO | \$0 | \$0 | \$135 | \$0 | \$0 | \$0 |
| FD | 185 | \$0 | \$0 | \$34 | \$0 | \$0 | \$0 |
| UTL | BND | \$0 | \$0 | \$28 | \$0 | \$0 | \$0 |
| ROW | BOO | \$0 | \$43 | \$0 | \$0 | \$0 | \$0 |
| ROW | 185 | \$0 | \$11 | \$0 | \$0 | \$0 | \$0 |
| CON | BOO | \$0 | \$0 | \$0 | \$0 | \$779 | \$0 |
| CON | 185 | \$0 | \$0 | \$0 | \$0 | \$195 | \$0 |
| | | \$250 | \$55 | \$197 | \$0 | \$973 | \$0 |

Total FY 2011-2014 Cost \$501

MPMS #: 82925

Municipality: Springfield (Twp)

Title: Sanford Road/I-90

Route: 3103

Section: B00

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: SR 3103 (Sanford Road) over I-90 EB/WB, in Springfield Twp

Narrative: This project includes the rehabilitation, mill, patch, waterproof membrane, plugs and painting on the SR 3103 (Sanford Road) bridge over I-90 eastbound/westbound in Springfield Township. The bridge is 283 feet long.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | BOO | \$240 | \$0 | \$0 | \$0 | \$0 | \$0 |
| PE | 185 | \$60 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | BOO | \$0 | \$0 | \$240 | \$0 | \$0 | \$0 |
| FD | 185 | \$0 | \$0 | \$60 | \$0 | \$0 | \$0 |
| ROW | 185 | \$0 | \$0 | \$100 | \$0 | \$0 | \$0 |
| | | \$300 | \$0 | \$400 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$700

Erie

MPMS #: 82926

Municipality: Springfield (Twp)

Title: SR 3104 McKee Rd/I-90

Route: 3104

Section: B00

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

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

Est. Let Date: 06/20/2013

Actual Let Date:

Geographic Limits: State Route 3104 (McKee Road, T-338) Bridge over Interstate 90 Eastbound/Westbound, Springfield Township

Narrative: This project includes the rehabilitation, mill, waterproof membrane, plugs and painting of the State Route 3104 (McKee Road, T-338) bridge over Interstate 90 Eastbound/Westbound in Springfield Township. The bridge is 197 feet long.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | BND | \$260 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | BOO | \$0 | \$640 | \$1,136 | \$720 | \$0 | \$0 |
| CON | 185 | \$0 | \$205 | \$284 | \$135 | \$0 | \$0 |
| | | \$260 | \$845 | \$1,420 | \$855 | \$0 | \$0 |

Total FY 2011-2014 Cost \$3,380

MPMS #: 1296

Municipality: Erie (City)

Title: W. 38th St over I-79

Route: 4016

Section: B00

A/Q Status: Exempt

Improvement Type: Bridge Rehabilitation

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

Est. Let Date: 06/26/2014

Actual Let Date:

Geographic Limits: State Route 4016 (West 38th Street) Bridge over Interstate 79 Northbound/Southbound in the City of Erie

Narrative: This project includes the rehabilitation of the State Route 4016 (West 38th Street) bridge over Interstate 79 Northbound/Southbound in the City of Erie. The bridge is 163 feet long.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | BOO | \$83 | \$87 | \$0 | \$0 | \$0 | \$0 |
| PE | 185 | \$21 | \$22 | \$0 | \$0 | \$0 | \$0 |
| FD | BOO | \$0 | \$0 | \$180 | \$0 | \$0 | \$0 |
| FD | 185 | \$0 | \$0 | \$45 | \$0 | \$0 | \$0 |
| ROW | BOO | \$0 | \$0 | \$45 | \$0 | \$0 | \$0 |
| ROW | 185 | \$0 | \$0 | \$11 | \$0 | \$0 | \$0 |
| CON | BOO | \$0 | \$0 | \$0 | \$640 | \$800 | \$0 |
| CON | 185 | \$0 | \$0 | \$0 | \$160 | \$200 | \$0 |
| | | \$104 | \$108 | \$281 | \$800 | \$1,000 | \$0 |

Total FY 2011-2014 Cost \$1,293

Erie

MPMS #: 88716

Municipality:

Title: Millfair Road Bridge

Route: 4016

Section: L00

A/Q Status: Significant

Improvement Type: New Bridge

Est. Let Date: 09/17/2015

Actual Let Date:

Geographic Limits: Millfair Road from SR 20 to SR 5 in Millcreek and Fairview Townships

Narrative: This project includes a new bridge over the railroad tracks of Norfolk Southern Corp. and CXS Corp. and approximately 500' of approach roadway, drainage, guiderail, adjustment of existing Woodside Drive roadway rehabilitation with signal upgrades on SR 20 and SR 5 intersections on Millfair Road from SR 20 to SR 5 in Millcreek and Fairview Townships.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | STP | \$0 | \$433 | \$0 | \$0 | \$0 | \$0 |
| FD | LOC | \$0 | \$108 | \$0 | \$0 | \$0 | \$0 |
| UTL | STP | \$0 | \$0 | \$0 | \$374 | \$0 | \$0 |
| UTL | LOC | \$0 | \$0 | \$0 | \$94 | \$0 | \$0 |
| ROW | STP | \$0 | \$0 | \$675 | \$0 | \$0 | \$0 |
| ROW | LOC | \$0 | \$0 | \$169 | \$0 | \$0 | \$0 |
| CON | STP | \$0 | \$0 | \$0 | \$0 | \$9,733 | \$0 |
| | | \$0 | \$541 | \$844 | \$468 | \$9,733 | \$0 |

Total FY 2011-2014 Cost \$1,852

MPMS #: 78834

Municipality: Summit (Twp)

Title: SR 4024 ov Walnut Creek

Route: 4024

Section: B00

A/Q Status: Exempt

Improvement Type: Bridge Replacement

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

Est. Let Date: 09/13/2012

Actual Let Date:

Geographic Limits: State Route 4024 (Robison Road) Bridge over Walnut Creek in Summit Township

Narrative: This project includes a 34 feet replacement of the State Route 4024 (Robison Road) bridge over Walnut Creek in Summit Township.

TIP Program Years (\$000)

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | BND | \$148 | \$0 | \$0 | \$0 | \$0 | \$0 |
| FD | BND | \$0 | \$108 | \$0 | \$0 | \$0 | \$0 |
| UTL | BND | \$25 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | BND | \$52 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | BND | \$0 | \$383 | \$158 | \$0 | \$0 | \$0 |
| | | \$225 | \$491 | \$158 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$874

| | |
|-------------|--|
| Erie | |
|-------------|--|

MPMS #: 87067

Municipality: Erie (City)

Title: Bayfront Mobility

Route: 4034

Section: PCT

A/Q Status: Significant

Improvement Type: Miscellaneous

Est. Let Date: 09/15/2011

Actual Let Date: 09/15/2011

Geographic Limits: Bayfront Parkway in the City of Erie

Narrative: Development of parking anchors, walkable bayfront, mixed land use & recreational venues. Roadway improvements to enhance context of roadway and provide transit parking anchors along the Bayfront Parkway in the City of Erie.

| |
|----------------------------------|
| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| PE | STP | \$0 | \$140 | \$0 | \$0 | \$0 | \$0 |
| CON | STP | \$325 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | | \$325 | \$140 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$465

MPMS #: 58233

Municipality:

Title: Norman Way Br ov Mill Ck

Route: 7302

Section: L00

A/Q Status:

Improvement Type: Bridge Replacement

Est. Let Date: 04/26/2012

Actual Let Date:

Geographic Limits: Route 7302 (Norman Way) Bridge over Mill Creek in the City of Erie

Narrative: Local Bridge Replacement of Route 7302 (Norman Way) Bridge over Mill Creek in the City of Erie.

| |
|----------------------------------|
| TIP Program Years (\$000) |
|----------------------------------|

| Phase | Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 | 2nd 4 Years | 3rd 4 Years |
|-------|------|---------|---------|---------|---------|-------------|-------------|
| ROW | BOO | \$28 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | 183 | \$5 | \$0 | \$0 | \$0 | \$0 | \$0 |
| ROW | LOC | \$2 | \$0 | \$0 | \$0 | \$0 | \$0 |
| CON | BOO | \$0 | \$720 | \$0 | \$0 | \$0 | \$0 |
| CON | 183 | \$0 | \$135 | \$0 | \$0 | \$0 | \$0 |
| CON | LOC | \$0 | \$45 | \$0 | \$0 | \$0 | \$0 |
| | | \$35 | \$900 | \$0 | \$0 | \$0 | \$0 |

Total FY 2011-2014 Cost \$935

APPENDIX A2

**ERIE COUNTY
LONG RANGE PLAN/
TRANSPORTATION IMPROVEMENT PROGRAM
FOR TRANSIT**

Erie Metropolitan Transit Authority

MPMS #: 77126

County: Erie

A/Q Status: Exempt

Title: Replace Fixed Route Buses Exempt Code: Purch new buses & cars for rplemnt or mnr expan.

Short Narrative: Replace 35' Buses LF

Long Narrative: Replacement of 35' 1994 transit buses in FFY 2010; replacement of 35' 1996 transit buses in FFY 2011; and replacement of 40' 1997 transit buses in FFY 2012.

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|--|---------|---------|---------|---------|
| LOC | \$43 | \$44 | \$46 | \$47 |
| CB | \$216 | \$222 | \$229 | \$236 |
| 5307 | \$1,265 | \$1,303 | \$1,342 | \$1,383 |
| | \$1,524 | \$1,570 | \$1,617 | \$1,666 |
| Total FY 2011-2014 Cost \$6,377 | | | | |

MPMS #: 77127

County: Erie

A/Q Status: Exempt

Title: Purchase Spare Parts/ACM Exempt Code: Purch op. eq. for vehcls (eg. radio, frbx, lifts)

Short Narrative: Purchase Spare Parts/ACM

Long Narrative:

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|--------------------------------------|---------|---------|---------|---------|
| 340 | \$76 | \$78 | \$78 | \$78 |
| | \$76 | \$78 | \$78 | \$78 |
| Total FY 2011-2014 Cost \$310 | | | | |

MPMS #: 77128

County: Erie

A/Q Status: Exempt

Title: Engines/Transmissions Exempt Code: Rehabilitation of transit vehicles

Short Narrative: Rebuild spare engines/transmissions.

Long Narrative: Rebuild spare engines/transmissions.

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|--------------------------------------|---------|---------|---------|---------|
| 340 | \$140 | \$143 | \$147 | \$151 |
| | \$140 | \$143 | \$147 | \$151 |
| Total FY 2011-2014 Cost \$581 | | | | |

Erie Metropolitan Transit Authority

MPMS #: 77129

County: Erie

A/Q Status: Exempt

Title: Replace Paratransit Buses **Exempt Code:** Purch new buses & cars for rplemnt or mnr expan.

Short Narrative: Replace <30' Buses - LIFT

Long Narrative: Replace <30' paratransit vehicles originally purchased in 1999 in FFY 2010; replace <30' paratransit vehicles originally purchased in 2000 in FFY 2011 and FFY 2012.

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|---|---------|---------|---------|---------|
| 160 | \$134 | \$138 | \$142 | \$146 |
| 5310 | \$536 | \$552 | \$568 | \$585 |
| | \$670 | \$690 | \$710 | \$732 |
| Total FY 2011-2014 Cost \$2,801 | | | | |

MPMS #: 77131

County: Erie

A/Q Status: Exempt

Title: Acquire Shop Equipment **Exempt Code:** Purch off., shop, & op. eq. for exist. facility

Short Narrative: Acquire Shop Equipment

Long Narrative:

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|---|---------|---------|---------|---------|
| 340 | \$75 | \$75 | \$75 | \$75 |
| | \$75 | \$75 | \$75 | \$75 |
| Total FY 2011-2014 Cost \$300 | | | | |

MPMS #: 77132

County: Erie

A/Q Status: Exempt

Title: Acquire Misc. Equipment **Exempt Code:** Purch off., shop, & op. eq. for exist. facility

Short Narrative: Acquire miscellaneous equipment.

Long Narrative: Acquire miscellaneous equipment.

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|---|---------|---------|---------|---------|
| 340 | \$75 | \$75 | \$75 | \$75 |
| | \$75 | \$75 | \$75 | \$75 |
| Total FY 2011-2014 Cost \$300 | | | | |

Erie Metropolitan Transit Authority

MPMS #: 77135

County: Erie

A/Q Status: Exempt

Title: Technology Upgrades

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

Short Narrative: Technology Upgrades

Long Narrative:

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|--------------------------------|---------|---------|---------|---------|
| 340 | \$50 | \$50 | \$50 | \$50 |
| | \$50 | \$50 | \$50 | \$50 |
| Total FY 2011-2014 Cost | | | \$200 | |

MPMS #: 77136

County: Erie

A/Q Status: Exempt

Title: Const. Operating Facility

Exempt Code:

Short Narrative: Construct Operating Facility

Long Narrative:

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|--------------------------------|---------|---------|---------|---------|
| LOC | \$301 | | | |
| 339 | \$1,503 | | | |
| 5309 | \$7,213 | | | |
| | \$9,017 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | \$9,017 | |

MPMS #: 83748

County: Erie

A/Q Status: Exempt

Title: FY 2011 Operating Subsidy

Exempt Code: Operating assistance to transit agencies

Short Narrative: FY 2011 Operating Subsidy.

Long Narrative: FY 2011 Operating Subsidy.

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|--------------------------------|---------|---------|---------|---------|
| LOC | \$708 | | | |
| 338 | \$6,885 | | | |
| 5307 | \$1,440 | | | |
| | \$9,033 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | | \$9,033 | |

Erie Metropolitan Transit Authority

MPMS #: 83749

County: Erie

A/Q Status: Exempt

Title: FY 2012 Operating Subsidy **Exempt Code:** Operating assistance to transit agencies

Short Narrative: FY 2012 Operating Subsidy.

Long Narrative: FY 2012 Operating Subsidy.

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|--------------------------------|---------|---------|---------|---------|
| LOC | | \$744 | | |
| 338 | | \$6,954 | | |
| 5307 | | \$2,027 | | |
| | \$0 | \$9,725 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$9,725 | | |

MPMS #: 83750

County: Erie

A/Q Status: Exempt

Title: Replace Radio System **Exempt Code:** Purch op. eq. for vehcls (eg. radio, frbx, lifts)

Short Narrative: Replace Radio System.

Long Narrative: Replace Radio System.

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|--------------------------------|---------|---------|---------|---------|
| LOC | \$23 | | | |
| CB | \$117 | | | |
| 5307 | \$560 | | | |
| | \$700 | \$0 | \$0 | \$0 |
| Total FY 2011-2014 Cost | | \$700 | | |

MPMS #: 90075

County: Erie

A/Q Status: Exempt

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

Short Narrative: Replace Fareboxes

Long Narrative: Replace Fareboxes

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|--------------------------------|---------|---------|---------|---------|
| LOC | | | | \$25 |
| CB | | | | \$125 |
| 5307 | | | | \$600 |
| | \$0 | \$0 | \$0 | \$750 |
| Total FY 2011-2014 Cost | | \$750 | | |

Erie Metropolitan Transit Authority

MPMS #: 90076

County: Erie

A/Q Status: Exempt

Title: FY 2013 Operating Subsidy Exempt Code: Operating assistance to transit agencies

Short Narrative: FY 2013 Operating Subsidy

Long Narrative: FY 2013 Operating Subsidy

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|-------------------------|---------|---------|---------|---------|
| LOC | | | \$781 | |
| 338 | | | \$7,024 | |
| 5307 | | | \$2,054 | |
| | \$0 | \$0 | \$9,859 | \$0 |
| Total FY 2011-2014 Cost | | | \$9,859 | |

MPMS #: 90077

County: Erie

A/Q Status: Exempt

Title: FY 2014 Operating Subsidy Exempt Code: Operating assistance to transit agencies

Short Narrative: FY 2014 Operating Subsidy

Long Narrative: FY 2014 Operating Subsidy

TIP Program Years (\$000)

| Fund | FY 2011 | FY 2012 | FY 2013 | FY 2014 |
|-------------------------|---------|---------|---------|---------|
| LOC | | | | \$820 |
| 338 | | | | \$7,094 |
| 5307 | | | | \$1,482 |
| | \$0 | \$0 | \$0 | \$9,396 |
| Total FY 2011-2014 Cost | | | \$9,396 | |

APPENDIX B

**ERIE COUNTY
MOBILE6.2 PROGRAM PARAMETERS**

APPENDIX B1

MOBILE6.2 PROGRAM SETUP FILES For Ozone Conformity Analysis

MOBILE6.2 INPUT FILE SETTINGS

Erie County

MOBILE6.2 INPUT FILE
REPORT FILE : M6OUTPUT.OUT REPLACE
DATABASE OUTPUT :
WITH FIELDNAMES :
EMISSIONS TABLE : M6OUTPUT.TB1 REPLACE
POLLUTANTS : HC CO NOX
AGGREGATED OUTPUT :

(Runs are Repeated for Urban, Small Urban, and Rural)

RUN DATA : 0001
EXPRESS HC AS VOC :
EXPAND EXHAUST :
EXPAND EVAPORATIVE :
NO REFUELING :
FUEL RVP : 8.7
MIN/MAX TEMPERATURE: 69.5 87.7
94+ LDG IMP : NLEVNE.D
T2 EXH PHASE-IN : pal2exh.08
T2 EVAP PHASE-IN : pal2evp.08
T2 CERT : leviistd.d
REG DISTRIBUTION : ERIE05ag.dat (2005 ages used for all future years)

} CALLEVII Phase-In Files

(Gascap and ATP Programs Only Apply to 2004 and Later Analysis Years)

I/M PROGRAM : 1 2004 2050 1 TRC GC
I/M MODEL YEARS : 1 1975 2050
I/M VEHICLES : 1 22222 11111111 1
I/M COMPLIANCE : 1 96.0
I/M WAIVER RATES : 1 3.0 3.0
I/M EFFECTIVENESS : 1.00 1.00 1.00

ANTI-TAMP PROGRAM : 04 75 95 22222 11111111 1 11 096. 22212222

(Scenarios are Repeated for Each Functional Class)

SCENARIO RECORD :
CALENDAR YEAR : 2009 (Analysis year depends on year being run)
EVALUATION MONTH : 7
ABSOLUTE HUMIDITY : 61.3
SEASON : 1
VMT FRACTIONS : (VMT mix varies for each year, run/scenario combination)
.333874 .074180 .247058 .076106 .035010 .073550 .007209 .005883
.004557 .016505 .019344 .021061 .075289 .003800 .001717 .004857

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

VMT BY FACILITY :V000101F.def
VMT BY HOUR :V000101H.def
SPEED VMT :V000101S.def

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

OXYGENATED FUELS : 0.000 1.000 0.000 0.035 1

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

2005 Age Distribution:

| REG | DIST | | | | | | | | | |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1 | 0.0361 | 0.0648 | 0.0751 | 0.0785 | 0.0757 | 0.0892 | 0.0802 | 0.0771 | 0.0694 | 0.0602 |
| | 0.0608 | 0.0516 | 0.0434 | 0.0333 | 0.0254 | 0.0199 | 0.0172 | 0.0116 | 0.0084 | 0.0062 |
| | 0.0041 | 0.0030 | 0.0016 | 0.0011 | 0.0060 | | | | | |
| 2 | 0.0356 | 0.0730 | 0.0713 | 0.0625 | 0.0749 | 0.0789 | 0.0758 | 0.0582 | 0.0682 | 0.0454 |
| | 0.0571 | 0.0521 | 0.0420 | 0.0336 | 0.0268 | 0.0236 | 0.0247 | 0.0222 | 0.0152 | 0.0132 |
| | 0.0098 | 0.0061 | 0.0037 | 0.0032 | 0.0231 | | | | | |
| 3 | 0.0356 | 0.0730 | 0.0713 | 0.0625 | 0.0749 | 0.0789 | 0.0758 | 0.0582 | 0.0682 | 0.0454 |
| | 0.0571 | 0.0521 | 0.0420 | 0.0336 | 0.0268 | 0.0236 | 0.0247 | 0.0222 | 0.0152 | 0.0132 |
| | 0.0098 | 0.0061 | 0.0037 | 0.0032 | 0.0231 | | | | | |
| 4 | 0.0390 | 0.0994 | 0.0950 | 0.0739 | 0.0839 | 0.0814 | 0.0725 | 0.0592 | 0.0715 | 0.0432 |
| | 0.0584 | 0.0441 | 0.0331 | 0.0247 | 0.0169 | 0.0160 | 0.0166 | 0.0122 | 0.0104 | 0.0104 |
| | 0.0089 | 0.0054 | 0.0027 | 0.0021 | 0.0189 | | | | | |
| 5 | 0.0390 | 0.0994 | 0.0950 | 0.0739 | 0.0839 | 0.0814 | 0.0725 | 0.0592 | 0.0715 | 0.0432 |
| | 0.0584 | 0.0441 | 0.0331 | 0.0247 | 0.0169 | 0.0160 | 0.0166 | 0.0122 | 0.0104 | 0.0104 |
| | 0.0089 | 0.0054 | 0.0027 | 0.0021 | 0.0189 | | | | | |
| 16 | 0.0678 | 0.0966 | 0.1039 | 0.0927 | 0.0685 | 0.0549 | 0.0433 | 0.0350 | 0.0296 | 0.0281 |
| | 0.0250 | 0.0212 | 0.0161 | 0.0134 | 0.0125 | 0.0083 | 0.0131 | 0.0120 | 0.0167 | 0.0221 |
| | 0.0252 | 0.0209 | 0.0283 | 0.0314 | 0.1133 | | | | | |

(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

**ERIE 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 |