

**Amendment to**  
***Mapping the Future: The Southwestern PA Plan to Reflect Project Phasing and Cost Information Included in the 2017-2020 Transportation Improvement Program for Southwestern Pennsylvania***

The four-year program of transportation improvements identified in the *2017-2020 Transportation Improvement Program for Southwestern Pennsylvania* (2017-2020 TIP) represents the first phase in the implementation of the Regional Vision outlined in the regional long range transportation plan (LRP), *Mapping the Future: The Southwestern PA Plan*.

As modifications are made to update the regional TIP, there is a need to maintain consistency between the TIP and the first four years of the LRP. In moving from the 2015-2018 TIP to the 2017-2020 TIP, projects have advanced, and revenue changes have been identified. It is therefore necessary to incorporate these changes into the *Mapping the Future*.

The project lists identified in Chapter 8 of *Mapping the Future* are not amended to add or delete any identified projects, but have been updated to reflect new costs and schedules for projects included in the 2017-2020 TIP. Revised LRP funding levels may also be observed in the reserve line items appearing in the project tables.

*Mapping the Future* was adopted in June 2015. Federal and state fiscal projections for *Mapping the Future* were based on Pennsylvania's 2015 Transportation Program Financial Guidance and used to establish the 2015-2018 Transportation Improvement Program (TIP). As part of development of the 2017-2020 TIP, 2017 Transportation Program Financial Guidance was issued in October 2016. This financial guidance assumed no significant change in funding at the federal level, but reflected revised projections for state revenues from Act 89, including increasing contributions from the motor license fund to the Pennsylvania State Police. Following passage of the federal FAST Act, revised financial guidance was issued in December 2016. The June 2016 plan amendment associated with adoption of the 2017-2020 TIP reflects new long-range fiscal projections based on this revised statewide financial guidance.

These revised tables are reproduced in the remainder of this report for information purposes.



## Transportation Investment Plan Revenue Summary

| <b>Fiscal Category</b>                 | <b>Short-term<br/>2017-2020</b> | <b>Mid-Term<br/>2021-2028</b> | <b>Long-term<br/>2029-2040</b> | <b>Total<br/>2017-2040</b> |
|----------------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------|
| <b>Highway Program</b>                 |                                 |                               |                                |                            |
| Federal NHPP                           | 519,326,000                     | 1,195,847,225                 | 2,189,454,770                  | <b>3,904,627,996</b>       |
| Federal STP                            | 302,923,000                     | 689,505,781                   | 1,262,403,498                  | <b>2,254,832,279</b>       |
| Federal Bridge Off-System              | 73,396,000                      | 160,638,677                   | 294,110,410                    | <b>528,145,087</b>         |
| Federal CMAQ                           | 75,436,000                      | 171,223,023                   | 313,489,095                    | <b>560,148,118</b>         |
| Federal HSIP                           | 43,239,000                      | 99,627,672                    | 182,406,478                    | <b>325,273,150</b>         |
| Federal TAP                            | 7,217,000                       | 15,872,141                    | 29,060,013                     | <b>52,149,154</b>          |
| State Highway                          | 400,107,000                     | 768,061,062                   | 1,406,228,923                  | <b>2,574,396,984</b>       |
| State Bridge                           | 200,918,000                     | 379,171,712                   | 694,218,539                    | <b>1,274,308,251</b>       |
| Local Sponsor Matching Funds           | 52,725,087                      | 132,929,937                   | 243,378,985                    | <b>429,034,009</b>         |
| Subtotal - Highway Program             | 1,675,287,087                   | 3,612,877,229                 | 6,614,750,711                  | <b>11,902,915,027</b>      |
| <b>Transit Program</b>                 |                                 |                               |                                |                            |
| Fed Transit Formula Funds              | 264,934,516                     | 541,972,782                   | 992,288,035                    | <b>1,799,195,334</b>       |
| Federal Transit Flex                   | 24,688,000                      | 49,376,000                    | 63,308,935                     | <b>142,030,502</b>         |
| State/Local/Other - Transit Operations | 1,644,199,312                   | 3,572,674,180                 | 4,185,957,219                  | <b>9,402,830,711</b>       |
| Subtotal - Transit Program             | 1,933,821,828                   | 4,164,022,963                 | 5,241,554,189                  | <b>11,344,056,547</b>      |
| <b>Spike Programs</b>                  |                                 |                               |                                |                            |
| Federal Discretionary NHPP             | 7,500,000                       | 501,411,765                   | 587,483,798                    | <b>1,426,937,377</b>       |
| Federal Discretionary STP              | 60,000,000                      | 76,782,361                    | 89,962,774                     | <b>277,361,779</b>         |
| State Discretionary                    | 9,000,000                       | 259,582,916                   | 304,142,759                    | <b>743,848,520</b>         |
| Subtotal - Spike Programs              | 76,500,000                      | 837,777,042                   | 981,589,331                    | <b>2,448,147,676</b>       |
| <b>Other Discretionary Programs</b>    |                                 |                               |                                |                            |
| Federal Earmarks                       | 1,819,352                       | 0                             | 0                              | <b>1,819,352</b>           |
| PTC Toll Road Expansion                | 673,517,000                     | 0                             | 0                              | <b>673,517,000</b>         |
| Local/Private                          | 99,250,000                      | 0                             | 0                              | <b>99,250,000</b>          |
| Total - Other Discretionary            | 774,586,352                     | 0                             | 0                              | <b>774,586,352</b>         |
| <b>Grand Total for SPC TIP/LRP</b>     | <b>4,460,195,267</b>            | <b>8,614,677,234</b>          | <b>12,837,894,231</b>          | <b>26,469,705,602</b>      |



**Figure 8.4 Capital Maintenance (Roadway) Projects**

| <b>Project Name</b>                          | <b>County</b> | <b>Short-Term<br/>2017-2020</b> | <b>Mid-Term<br/>2021-2028</b> | <b>Long-Term<br/>2029-2040</b> | <b>Total<br/>2017-2040</b> |
|----------------------------------------------|---------------|---------------------------------|-------------------------------|--------------------------------|----------------------------|
| Liberty Tunnel Phase 5 Rehabilitation        | Allegheny     | \$24,100,000                    |                               |                                | \$24,100,000               |
| SR 28 Resurfacing and Bridge Preservation    | Allegheny     | \$22,400,000                    |                               |                                | \$22,400,000               |
| SR 51 Road Resurfacing                       | Allegheny     | \$1,000,000                     |                               |                                | \$1,000,000                |
| SR 837 Reconstruction                        | Allegheny     | \$16,200,000                    |                               |                                | \$16,200,000               |
| Streets Run Road Reconstruction              | Allegheny     |                                 | \$15,000,000                  |                                | \$15,000,000               |
| City of Pittsburgh CBD Street Reconstruction | Allegheny     | \$4,950,000                     | \$10,350,000                  | \$14,400,000                   | \$29,700,000               |
| SR 28 Reconstruction                         | Allegheny     | \$13,560,000                    | \$5,200,000                   |                                | \$18,760,000               |
| Smallman Street Reconstruction               | Allegheny     |                                 |                               | \$9,300,000                    | \$9,300,000                |
| Brush Creek Road Reconstruction              | Allegheny     |                                 |                               | \$9,600,000                    | \$9,600,000                |
| SR 66 Resurfacing                            | Armstrong     |                                 | \$3,230,000                   |                                | \$3,230,000                |
| SR 28 Hays Run Road Improvements             | Armstrong     |                                 | \$20,890,300                  |                                | \$20,890,300               |
| SR 65 Reconstruction                         | Beaver        |                                 | \$20,000,000                  |                                | \$20,000,000               |
| SR 3015 Mars-Evans City Road Resurfacing     | Butler        |                                 | \$2,688,984                   |                                | \$2,688,984                |
| SR 8 Resurfacing                             | Butler        |                                 | \$3,660,000                   |                                | \$3,660,000                |
| SR 58 Resurfacing                            | Butler        |                                 | \$4,490,000                   |                                | \$4,490,000                |
| US 40 Resurfacing                            | Fayette       |                                 | \$4,710,000                   |                                | \$4,710,000                |
| SR 18 Resurfacing                            | Greene        | \$7,500,000                     | \$2,000,000                   |                                | \$9,500,000                |
| SR 2003 Resurfacing                          | Greene        | \$4,300,000                     | \$4,700,000                   |                                | \$9,000,000                |
| US 954 Resurfacing                           | Indiana       |                                 | \$3,432,680                   |                                | \$3,432,680                |
| US 119 Resurfacing                           | Indiana       | \$400,000                       | \$4,000,000                   |                                | \$4,400,000                |
| SR 286 Reconstruction                        | Indiana       | \$13,329,600                    |                               |                                | \$13,329,600               |
| US 22 Armagh Bypass Reconstruction           | Indiana       | \$2,294,800                     | \$29,005,200                  |                                | \$31,300,000               |
| SR 168 Third Street Reconstruction           | Lawrence      |                                 | \$14,300,000                  |                                | \$14,300,000               |
| SR 18 Reconstruction                         | Lawrence      |                                 | \$15,600,000                  |                                | \$15,600,000               |
| SR 422 Reconstruction                        | Lawrence      |                                 |                               | \$25,000,000                   | \$25,000,000               |
| SR 50 Resurfacing                            | Washington    |                                 | \$6,330,000                   |                                | \$6,330,000                |
| SR 3029 Resurfacing                          | Washington    |                                 | \$8,760,000                   |                                | \$8,760,000                |
| US119:County Line to Crossover Rd            | Westmoreland  | \$23,700,000                    |                               |                                | \$23,700,000               |
| SR 981at Kennametal Improvements             | Westmoreland  | \$3,600,000                     |                               |                                | \$3,600,000                |
| US 30 Resurfacing                            | Westmoreland  | \$4,000,000                     | \$5,600,000                   |                                | \$9,600,000                |

**Figure 8.4 Capital Maintenance (Roadway) Projects, cont.**

| <b>Project Name</b>                    | <b>County</b>                                   | <b>Short-Term<br/>2017-2020</b> | <b>Mid-Term<br/>2021-2028</b> | <b>Long-Term<br/>2029-2040</b> | <b>Total<br/>2017-2040</b> |
|----------------------------------------|-------------------------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------|
| Capital Maintenance Roadways Line Item | Allegheny, Beaver,<br>Lawrence                  |                                 | \$603,737,677                 | \$1,077,789,688                | \$1,681,527,364            |
| Capital Maintenance Roadways Line Item | Armstrong, Butler,<br>Indiana                   |                                 | \$136,899,571                 | \$434,909,474                  | \$571,809,045              |
| Capital Maintenance Roadways Line Item | Fayette, Greene,<br>Washington,<br>Westmoreland |                                 | \$356,458,642                 | \$718,025,818                  | \$1,074,484,461            |

**Figure 8.5 Capital Maintenance (Bridge) Projects**

| <b>Project Name</b>                                       | <b>County</b> | <b>Short-Term<br/>2017-2020</b> | <b>Mid-Term<br/>2021-2028</b> | <b>Long-Term<br/>2029-2040</b> | <b>Total<br/>2017-2040</b> |
|-----------------------------------------------------------|---------------|---------------------------------|-------------------------------|--------------------------------|----------------------------|
| Liberty Bridge Preservation                               | Allegheny     |                                 |                               |                                | \$0                        |
| 10th Street Bridge Rehabilitation                         | Allegheny     | \$20,000,000                    |                               |                                | \$20,000,000               |
| Glenwood Bridge Ramps Rehabilitation                      | Allegheny     |                                 |                               |                                | \$0                        |
| Elizabeth Bridge Rehabilitation                           | Allegheny     |                                 |                               |                                | \$0                        |
| 9th Street Bridge Rehabilitation                          | Allegheny     | \$21,000,000                    |                               |                                | \$21,000,000               |
| Greenfield Avenue Bridge Replacement                      | Allegheny     |                                 |                               |                                | \$0                        |
| Swinburne Street Bridge Rehabilitation                    | Allegheny     | \$1,450,000                     |                               |                                | \$1,450,000                |
| 28th Street Bridge Rehabilitation                         | Allegheny     | \$800,000                       | \$6,000,000                   |                                | \$6,800,000                |
| Talbot Avenue Ramp Bridge Rehabilitation                  | Allegheny     | \$2,700,000                     | \$3,300,000                   |                                | \$6,000,000                |
| 6th Street Bridge Rehabilitation                          | Allegheny     | \$2,300,000                     | \$23,700,000                  |                                | \$26,000,000               |
| McKeesport-Duquesne Bridge Preservation                   | Allegheny     | \$12,400,000                    | \$6,200,000                   |                                | \$18,600,000               |
| New Kensington Bridge Rehabilitation                      | Allegheny     | \$4,500,000                     |                               |                                | \$4,500,000                |
| SR 4017 over Pine Creek Bridge Rehabilitation/Replacement | Allegheny     | \$2,200,000                     |                               |                                | \$2,200,000                |
| Sutersville Bridge Preservation                           | Allegheny     | \$4,400,000                     |                               |                                | \$4,400,000                |
| Charles Anderson Bridge Rehabilitation                    | Allegheny     | \$5,650,000                     |                               |                                | \$5,650,000                |
| Jerome Street Bridge Rehabilitation                       | Allegheny     | \$6,773,250                     |                               |                                | \$6,773,250                |
| SR 366 Tarentum Bridge Preservation                       | Allegheny     | \$16,768,250                    |                               |                                | \$16,768,250               |
| Armstrong Tunnel Rehabilitation                           | Allegheny     | \$5,812,000                     |                               |                                | \$5,812,000                |
| Dookers Hollow Bridge Replacement                         | Allegheny     | \$14,500,000                    |                               |                                | \$14,500,000               |
| Nike Site Bridge Rehabilitation                           | Allegheny     |                                 | \$10,000,000                  |                                | \$10,000,000               |
| Swindell Bridge Rehabilitation                            | Allegheny     |                                 | \$11,000,000                  | \$11,000,000                   | \$22,000,000               |
| Mission Street West Bridge Preservation                   | Allegheny     |                                 | \$12,000,000                  |                                | \$12,000,000               |
| Boulevard of the Allies Ramps Bridge Preservation         | Allegheny     | \$3,500,000                     | \$10,500,000                  |                                | \$14,000,000               |
| McKees Rocks Bridge Rehabilitation                        | Allegheny     | \$1,500,000                     | \$13,500,000                  |                                | \$15,000,000               |
| Forbes Avenue/Fern Hollow Bridge Rehabilitation           | Allegheny     |                                 | \$15,000,000                  |                                | \$15,000,000               |
| Larimer Avenue Bridge Preservation                        | Allegheny     |                                 | \$20,000,000                  |                                | \$20,000,000               |
| Ivory Avenue Bridge Rehabilitation                        | Allegheny     |                                 |                               | \$4,000,000                    | \$4,000,000                |
| Patton Street Bridge Rehabilitation                       | Allegheny     |                                 |                               | \$8,000,000                    | \$8,000,000                |
| SR 28 Northbound Bridge Preservation                      | Allegheny     |                                 |                               | \$12,000,000                   | \$12,000,000               |
| 9-Mile Run Bridge and Connector                           | Allegheny     |                                 |                               | \$12,200,000                   | \$12,200,000               |
| 62nd Street Bridge Preservation                           | Allegheny     |                                 |                               | \$18,000,000                   | \$18,000,000               |

**Figure 8.5 Capital Maintenance (Bridge) Projects, cont.**

| <b>Project Name</b>                               | <b>County</b>                             | <b>Short-Term<br/>2017-2020</b> | <b>Mid-Term<br/>2021-2028</b> | <b>Long-Term<br/>2029-2040</b> | <b>Total<br/>2017-2040</b> |
|---------------------------------------------------|-------------------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------|
| 16th Street Bridge Rehabilitation                 | Allegheny                                 |                                 |                               | \$20,000,000                   | \$20,000,000               |
| West End Bridge Preservation                      | Allegheny                                 |                                 |                               | \$24,000,000                   | \$24,000,000               |
| Homestead Grays Bridge Rehabilitation             | Allegheny                                 |                                 |                               | \$50,000,000                   | \$50,000,000               |
| Koppel Bridge Replacement                         | Beaver                                    | \$32,500,000                    |                               |                                | \$32,500,000               |
| Dutch Ridge Road Bridge Replacement               | Beaver                                    | \$6,350,000                     |                               |                                | \$6,350,000                |
| Bradys Run Road Bridge Rehabilitation/Replacement | Beaver                                    | \$2,700,000                     |                               |                                | \$2,700,000                |
| SR 528 Bridge Reconstruction                      | Butler                                    |                                 | \$21,500,000                  |                                | \$21,500,000               |
| Cast Iron Bridge Rehabilitation                   | Fayette                                   | \$1,200,000                     | \$6,800,000                   |                                | \$8,000,000                |
| SR 711 Crawford Ave Bridge Replacement            | Fayette                                   | \$4,845,000                     | \$13,155,000                  |                                | \$18,000,000               |
| Layton Bridge Rehabilitation                      | Fayette                                   | \$4,800,000                     | \$15,200,000                  |                                | \$20,000,000               |
| SR 88 Bridge Replacement                          | Greene                                    | \$760,500                       | \$4,584,093                   |                                | \$5,344,593                |
| Home Railroad Bridge Replacement                  | Indiana                                   | \$621,824                       |                               |                                | \$621,824                  |
| US 119 Homer City Group Bridges Rehabilitation    | Indiana                                   |                                 | \$25,538,000                  |                                | \$25,538,000               |
| Mahoning Viaduct Rehabilitation                   | Lawrence                                  | \$3,250,000                     |                               |                                | \$3,250,000                |
| SR 422 Eastbound Bridge Replacement               | Lawrence                                  |                                 |                               | \$7,500,000                    | \$7,500,000                |
| Belle Vernon Bridge Perseveration                 | Washington                                |                                 |                               |                                | \$0                        |
| I-70 Bridge Replacement                           | Washington                                |                                 | \$14,230,000                  |                                | \$14,230,000               |
| Old Brownsville Bridge Rehabilitation             | Washington                                |                                 |                               | \$22,810,000                   | \$22,810,000               |
| Derry Borough Bridge Replacement                  | Westmoreland                              |                                 |                               |                                | \$0                        |
| SR 366 Bridge Replacement                         | Westmoreland                              | \$4,970,000                     | \$10,000,000                  |                                | \$14,970,000               |
| Salina Bridge Rehabilitation                      | Westmoreland                              | \$3,200,000                     | \$13,070,000                  |                                | \$16,270,000               |
| West Newton Bridge Rehabilitation/Replacement     | Westmoreland                              | \$1,000,000                     | \$9,660,000                   |                                | \$10,660,000               |
| Capital Maintenance Bridge Line Item*             | Allegheny, Beaver, Lawrence               |                                 | \$474,365,317                 | \$994,882,789                  | \$1,469,248,106            |
| Off System Bridge Line Item                       | Allegheny, Beaver, Lawrence               |                                 | \$64,498,595                  | \$159,831,360                  | \$224,329,955              |
| Capital Maintenance Bridge Line Item*             | Armstrong, Butler, Indiana                |                                 | \$181,471,524                 | \$434,909,474                  | \$616,380,998              |
| Off System Bridge Line Item                       | Armstrong, Butler, Indiana                |                                 | \$34,897,824                  | \$48,741,861                   | \$83,639,685               |
| Capital Maintenance Bridge Line Item*             | Fayette, Greene, Washington, Westmoreland |                                 | \$291,647,980                 | \$689,867,943                  | \$981,515,923              |
| Off System Bridge Line Item                       | Fayette, Greene, Washington, Westmoreland |                                 | \$61,242,259                  | \$85,537,188                   | \$146,779,447              |



**Figure 8.8 Traffic Operations, Safety & System Reliability Projects**

| <b>Project Name</b>                                                         | <b>County</b> | <b>Short-Term<br/>2017-2020</b> | <b>Mid-Term<br/>2021-2028</b> | <b>Long-Term<br/>2029-2040</b> | <b>Total<br/>2017-2040</b> |
|-----------------------------------------------------------------------------|---------------|---------------------------------|-------------------------------|--------------------------------|----------------------------|
| I-376 Pkwy East Corridor Safety and Congestion Improvements                 | Allegheny     | \$4,080,000                     | \$35,359,791                  |                                | \$39,439,791               |
| Beaver Avenue Conversion/Access                                             | Allegheny     |                                 | \$3,500,000                   |                                | \$3,500,000                |
| Duncan Avenue / Thompson Run Road / Ferguson Road Intersection Improvements | Allegheny     |                                 | \$5,000,000                   |                                | \$5,000,000                |
| Corrigan Drive Upgrade/Road Diet                                            | Allegheny     |                                 | \$6,000,000                   |                                | \$6,000,000                |
| Penn Circle Conversion                                                      | Allegheny     | \$2,500,000                     | \$4,500,000                   |                                | \$7,000,000                |
| I-79 & SR 910 Interchange Improvements                                      | Allegheny     |                                 | \$14,000,000                  |                                | \$14,000,000               |
| City of Pittsburgh Traffic Signal System Upgrades                           | Allegheny     | \$5,500,000                     | \$8,900,000                   | \$41,520,000                   | \$55,920,000               |
| Painters Run Road Widening                                                  | Allegheny     |                                 | \$23,000,000                  |                                | \$23,000,000               |
| SR 50 Lane Widening and Signal Upgrades                                     | Allegheny     |                                 | \$24,500,000                  |                                | \$24,500,000               |
| I-376/Banksville Interchange                                                | Allegheny     |                                 | \$29,000,000                  |                                | \$29,000,000               |
| Highland Park Bridge/Ramps Reconstruction                                   | Allegheny     | \$13,560,000                    | \$26,440,000                  |                                | \$40,000,000               |
| Cliff Mine Road, Reconstruction and Safety Improvements                     | Allegheny     |                                 |                               | \$4,000,000                    | \$4,000,000                |
| I-376 Pkwy West Carnegie Interchange                                        | Allegheny     |                                 |                               | \$26,000,000                   | \$26,000,000               |
| I-376 Pkwy West Green Tree Interchange Improvements                         | Allegheny     |                                 |                               | \$28,000,000                   | \$28,000,000               |
| SR 286 Improvements                                                         | Allegheny     |                                 |                               | \$50,000,000                   | \$50,000,000               |
| SR 3003 (Washington Pike) Capacity Upgrades from SR 50 to SR 3006           | Allegheny     |                                 |                               | \$10,000,000                   | \$10,000,000               |
| SR 885 (Bates Street) Reconstruction with capacity Upgrades                 | Allegheny     |                                 |                               | \$35,000,000                   | \$35,000,000               |
| I-79 Capacity Upgrades: WACO Line to Bridgeville (4-lanes to 6-lanes)       | Allegheny     |                                 |                               | \$76,000,000                   | \$76,000,000               |
| US 422 Wray Road Cut Safety Improvement                                     | Armstrong     | \$13,100,000                    |                               |                                | \$13,100,000               |
| US 422 Kittanning Elementary Intersection                                   | Armstrong     | \$7,500,000                     |                               |                                | \$7,500,000                |
| SR 28 Goheenville DIP Safety Improvements                                   | Armstrong     | \$6,800,000                     |                               |                                | \$6,800,000                |
| US 422 Margaret Road Intersection Improvement                               | Armstrong     | \$7,592,282                     | \$20,817,818                  |                                | \$28,410,100               |
| SR 28 Truck Climbing Lane                                                   | Armstrong     |                                 |                               | \$10,000,000                   | \$10,000,000               |
| SR 85 Geometry Improvement                                                  | Armstrong     |                                 |                               | \$10,000,000                   | \$10,000,000               |
| US 422 Dutch Run Road Intersection                                          | Armstrong     |                                 |                               | \$12,000,000                   | \$12,000,000               |
| SR 28 Geometry Improvements                                                 | Armstrong     |                                 |                               | \$20,000,000                   | \$20,000,000               |
| SR 51 and SR 68 Interchange Improvement                                     | Beaver        |                                 |                               | \$5,000,000                    | \$5,000,000                |
| SR 2004 Freedom Road Improvements                                           | Beaver        | \$39,000,000                    |                               |                                | \$39,000,000               |

**Figure 8.8 Traffic Operations, Safety & System Reliability Projects, cont.**

| <b>Project Name</b>                                                          | <b>County</b> | <b>Short-Term<br/>2017-2020</b> | <b>Mid-Term<br/>2021-2028</b> | <b>Long-Term<br/>2029-2040</b> | <b>Total<br/>2017-2040</b> |
|------------------------------------------------------------------------------|---------------|---------------------------------|-------------------------------|--------------------------------|----------------------------|
| I-376/SR 18 Intersection Realignment                                         | Beaver        | \$60,000,000                    |                               |                                | \$60,000,000               |
| SR 228 Pittsburgh Street Intersection Improvement                            | Butler        | \$8,200,000                     |                               |                                | \$8,200,000                |
| SR 228 Mars West Expansion                                                   | Butler        |                                 | \$74,050,000                  |                                | \$74,050,000               |
| SR 228 Balls Bend Improvements                                               | Butler        | \$3,800,000                     | \$13,000,000                  |                                | \$16,800,000               |
| SR 228 Three Degree Road Intersection Improvement                            | Butler        | \$19,800,000                    |                               |                                | \$19,800,000               |
| US 422 /Greenwood Drive intersection Improvement                             | Butler        |                                 | \$1,000,000                   |                                | \$1,000,000                |
| SR 68 Safety Improvements - Evans City to Butler                             | Butler        | \$295,890                       | \$4,704,110                   | \$20,000,000                   | \$25,000,000               |
| SR 356 Corridor Upgrades                                                     | Butler        | \$806,900                       | \$8,193,100                   |                                | \$9,000,000                |
| Rochester Road Widening                                                      | Butler        |                                 | \$10,000,000                  |                                | \$10,000,000               |
| SR 3020 (Freedom Road) Improvements & Capacity Upgrades                      | Butler        | \$20,400,000                    |                               |                                | \$20,400,000               |
| I-79 Widening: SR 228 to SR 528 (4-lanes to 6-lanes)                         | Butler        |                                 |                               | \$65,000,000                   | \$65,000,000               |
| SR 21 Corridor Improvements                                                  | Fayette       |                                 | \$20,000,000                  | \$70,000,000                   | \$90,000,000               |
| US 119 McClure Road/Kingview Road Intersection Improvements                  | Fayette       | \$3,500,000                     | \$36,500,000                  |                                | \$40,000,000               |
| U.S. 19 / S.R. 221 Ruff Creek Intersection Improvements                      | Greene        |                                 | \$2,000,000                   |                                | \$2,000,000                |
| SR 88 Spot Safety Improvements                                               | Greene        |                                 | \$5,000,000                   |                                | \$5,000,000                |
| US 119 Grove Chapel Climbing Lane                                            | Indiana       | \$9,000,000                     |                               |                                | \$9,000,000                |
| US 119 Wake Robin Curve                                                      | Indiana       | \$500,000                       | \$14,143,200                  |                                | \$14,643,200               |
| US 422 Geometry Improvement                                                  | Indiana       |                                 | \$13,000,000                  |                                | \$13,000,000               |
| US 22 / SR 217 Interchange Reconstruction                                    | Indiana       |                                 |                               | \$14,315,966                   | \$14,315,966               |
| US 119 Geometry Improvement                                                  | Indiana       |                                 |                               | \$17,000,000                   | \$17,000,000               |
| SR 519 / SR 980 / I-79 Intersection Improvements                             | Washington    | \$23,500,000                    |                               |                                | \$23,500,000               |
| SR 1010 / SR 1019 Intersection Improvement                                   | Washington    |                                 | \$2,000,000                   |                                | \$2,000,000                |
| SR 1002 / SR 1019 Intersection Improvement                                   | Washington    |                                 | \$2,625,000                   |                                | \$2,625,000                |
| Secondary traffic impacts of Southern Beltway on SR 22 to I-79               | Washington    |                                 | \$30,000,000                  |                                | \$30,000,000               |
| Secondary traffic impacts of Southern Beltway I-79 to Mon-Fayette Expressway | Washington    |                                 |                               | \$50,000,000                   | \$50,000,000               |
| I-79 Meadowlands Auxiliary Lanes                                             | Washington    |                                 |                               | \$10,000,000                   | \$10,000,000               |
| I-79 Expansion: ALCO Line to 1-70 North Junction (4-lanes to 6-lanes)        | Washington    |                                 |                               | \$70,000,000                   | \$70,000,000               |
| PA 356 Safety Improvement                                                    | Westmoreland  | \$5,530,450                     |                               |                                | \$5,530,450                |

**Figure 8.8 Traffic Operations, Safety & System Reliability Projects, cont.**

| <b>Project Name</b>                                      | <b>County</b>                                   | <b>Short-Term<br/>2017-2020</b> | <b>Mid-Term<br/>2021-2028</b> | <b>Long-Term<br/>2029-2040</b> | <b>Total<br/>2017-2040</b> |
|----------------------------------------------------------|-------------------------------------------------|---------------------------------|-------------------------------|--------------------------------|----------------------------|
| SR 31 SR 711 Intersection Improvements                   | Westmoreland                                    | \$19,900,000                    |                               |                                | \$19,900,000               |
| PA 356 Truck Climbing Lane                               | Westmoreland                                    | \$8,730,450                     |                               |                                | \$8,730,450                |
| US 30 Traffic Signal Replacements                        | Westmoreland                                    |                                 | \$1,250,000                   |                                | \$1,250,000                |
| PA 981 Signals - Latrobe                                 | Westmoreland                                    | \$2,760,000                     |                               |                                | \$2,760,000                |
| WECO Signal Upgrades                                     | Westmoreland                                    | \$4,808,000                     |                               |                                | \$4,808,000                |
| US 30 Corridor Improvements                              | Westmoreland                                    | \$4,000,000                     | \$36,000,000                  |                                | \$40,000,000               |
| SR 981/ Laurel Valley Transportation Improvements        | Westmoreland                                    | \$2,000,000                     | \$43,000,000                  | \$55,000,000                   | \$100,000,000              |
| US 30 / Georges Station Road Intersection Improvement    | Westmoreland                                    |                                 |                               | \$5,000,000                    | \$5,000,000                |
| SR 51 North of I-70 to Allegheny Line Safety Improvement | Westmoreland                                    |                                 |                               | \$15,000,000                   | \$15,000,000               |
| Traffic Operations & Safety Line Item                    | Allegheny,<br>Beaver, Lawrence                  |                                 | \$198,383,991                 | \$417,622,108                  | \$616,006,099              |
| Traffic Operations & Safety Line Item                    | Armstrong, Butler,<br>Indiana                   |                                 | \$12,598,052                  | \$90,765,288                   | \$103,363,340              |
| Traffic Operations & Safety Line Item                    | Fayette, Greene,<br>Washington,<br>Westmoreland |                                 | \$55,205,198                  | \$152,657,704                  | \$207,862,902              |



**Figure 8.10 Multimodal Transportation for Economic & Community Development Projects**

| <b>Project Name</b>                            | <b>County</b> | <b>Short-Term<br/>2017-2020</b> | <b>Mid-Term<br/>2021-2028</b> | <b>Long-Term<br/>2029-2040</b> | <b>Total<br/>2017-2040</b> |
|------------------------------------------------|---------------|---------------------------------|-------------------------------|--------------------------------|----------------------------|
| Lower Hill Redevelopment Interior Roads        | Allegheny     | \$11,880,000                    |                               |                                | \$11,880,000               |
| PPC-Marine Diesel Engine Retrofit              | Allegheny     | \$10,009,600                    |                               |                                | \$16,000,000               |
| I-579 Cap*                                     | Allegheny     | \$39,250,000                    |                               |                                |                            |
| Allegheny Riverfront Infrastructure Projects   | Allegheny     |                                 |                               | \$46,080,000                   | \$46,080,000               |
| SR 228 I-79 to Franklin Road Enhancements      | Butler        | \$5,000,000                     |                               |                                | \$5,500,000                |
| Moraine State Park Access Road                 | Butler        | \$5,200,000                     |                               |                                | \$4,988,300                |
| I-79, Mt. Morris Interchange Area Improvements | Greene        |                                 | \$6,000,000                   |                                | \$6,000,000                |
| US 22 Pedestrian and Bicycle Bridge            | Indiana       | \$2,432,044                     |                               |                                | \$2,432,044                |

\*This project was amended to the plan on September 28, 2015. Projected revenues are expected to come from a combination of private funds and state and federal discretionary funding. These revenues are in addition to those included in Figure 8.1 on page 8-2.