

**Amendment to**  
***Mapping the Future: The Southwestern PA Plan to Reflect Project Phasing and Cost Information Included in the 2019-2022 Transportation Improvement Program for Southwestern Pennsylvania***

The four-year program of transportation improvements identified in the *2019-2022 Transportation Improvement Program for Southwestern Pennsylvania* (2019-2022 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 2017-2020 TIP to the 2019-2022 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 2019-2022 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 2019-2022 TIP, 2019 Transportation Program Financial Guidance was issued in October 2017. This financial guidance assumes funding levels based on the federal FAST Act (2016) and state funding levels based on Act 89, revised for changing contributions from the motor license fund to the Pennsylvania State Police. The June 2018 plan amendment associated with adoption of the 2019-2022 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 2019-2022</b>	<b>Mid-Term 2023-2030</b>	<b>Long-term 2031-2040</b>	<b>Total 2019-2040</b>
<b>Highway Program</b>				
Federal NHPP	469,600,000	990,691,364	1,354,581,824	<b>2,814,873,188</b>
Federal STP	312,160,000	657,540,293	899,061,163	<b>1,868,761,456</b>
Federal Bridge Off-System	74,108,000	155,043,705	211,992,748	<b>441,144,452</b>
Federal CMAQ	83,303,000	186,952,899	255,622,496	<b>525,878,395</b>
Federal HSIP	45,187,000	95,384,474	130,420,108	<b>270,991,582</b>
Federal TAP	7,252,000	15,172,140	20,745,013	<b>43,169,153</b>
State Highway	320,162,000	793,440,729	1,185,990,940	<b>2,299,593,669</b>
State Bridge	265,650,000	581,237,291	868,801,078	<b>1,715,688,368</b>
Local Sponsor Matching Funds	23,626,867	50,155,513	68,578,115	<b>142,360,495</b>
Subtotal - Highway Program	1,601,048,867	3,525,618,407	4,995,793,484	<b>10,122,460,759</b>
<b>Transit Program</b>				
Fed Transit Formula Funds (Sec. 5307)	289,629,498	605,862,135	828,401,121	<b>1,723,892,754</b>
Federal Transit Flex	24,688,800	49,377,600	62,339,220	<b>136,405,620</b>
Pittsburgh Bus Rapid Transit	117,300,000			<b>117,300,000</b>
State/Local/Other - Transit Operations	1,734,655,223	3,800,838,681	5,681,281,628	<b>11,216,775,532</b>
Subtotal - Transit Program	2,166,273,521	4,456,078,416	6,572,021,969	<b>13,194,373,906</b>
<b>Spike Programs</b>				
Federal Discretionary NHPP/STP	61,342,000	180,000,000		<b>241,342,000</b>
State Discretionary	13,500,000			<b>13,500,000</b>
Subtotal - Spike Programs	74,842,000	180,000,000		<b>254,842,000</b>
<b>Interstate, Other State Programs</b>				
Interstate Maintenance Program	165,368,585	198,000,000		<b>363,368,585</b>
State HSIP/TAP/Rail Safety	25,919,170			<b>25,919,170</b>
A-409 Maintenance Program	267,557,000	587,032,855	877,463,963	<b>1,732,053,818</b>
State Economic Development	10,600,000			<b>10,600,000</b>
Local/Other Match to State Programs	21,449,134			<b>21,449,134</b>
Subtotal - Other State Programs	490,893,889	785,032,855	877,463,963	<b>2,153,390,707</b>
<b>Other Discretionary Programs</b>				
Special Discretionary Funds	40,899,318			<b>40,899,318</b>
PTC SB/US-22 to I-79	373,904,000			<b>373,904,000</b>
PTC MFE/SR-51 to I-376	122,965,668	726,526,507	1,132,136,688	<b>1,981,628,863</b>
Local/Private	30,552,957			<b>30,552,957</b>
Total - Other Discretionary	568,321,943	726,526,507	1,132,136,688	<b>2,426,985,138</b>
<b>Grand Total for SPC TIP/LRP</b>	<b>4,901,380,220</b>	<b>9,673,256,185</b>	<b>13,577,416,104</b>	<b>28,152,052,509</b>



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

Project Name	County	Short-Term 2019-2022	Mid-Term 2023-2030	Long-Term 2031-2040	Total 2019-2040
Liberty Tunnel Phase 5 Rehabilitation	Allegheny	\$4,000,000			\$4,000,000
SR 28 Resurfacing and Bridge Preservation	Allegheny				
SR 51 Road Resurfacing	Allegheny				
SR 837 Reconstruction	Allegheny	\$6,500,000			\$6,500,000
Streets Run Road Reconstruction	Allegheny		\$15,000,000		\$15,000,000
City of Pittsburgh CBD Street Reconstruction	Allegheny	\$5,500,000	\$10,350,000	\$14,400,000	\$30,250,000
SR 28 Reconstruction	Allegheny	\$17,650,000			\$17,650,000
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	\$2,400,000			\$2,400,000
SR 58 Resurfacing	Butler		\$4,490,000		\$4,490,000
US 40 Resurfacing	Fayette		\$4,710,000		\$4,710,000
SR 18 Resurfacing	Greene		\$2,000,000		\$2,000,000
SR 2003 Resurfacing	Greene		\$4,700,000		\$4,700,000
US 954 Resurfacing	Indiana		\$3,432,680		\$3,432,680
US 119 Resurfacing	Indiana		\$4,000,000		\$4,000,000
SR 286 Reconstruction	Indiana	\$1,650,000			\$1,650,000
US 22 Armagh Bypass Reconstruction	Indiana	\$2,400,000	\$29,000,000		\$31,400,000
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				
SR 981at Kennametal Improvements	Westmoreland				
US 30 Resurfacing	Westmoreland		\$5,600,000		\$5,600,000
Capital Maintenance Roadways Line Item	Allegheny, Beaver, Lawrence		\$613,425,677	\$1,071,549,688	\$1,684,975,364
Capital Maintenance Roadways Line Item	Armstrong, Butler, Indiana		\$138,475,607	\$434,909,474	\$573,385,081
Capital Maintenance Roadways Line Item	Fayette, Greene, Washington, Westmoreland		\$358,878,143	\$718,025,818	\$1,076,903,962



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

<b>Project Name</b>	<b>County</b>	<b>Short-Term 2019-2022</b>	<b>Mid-Term 2023-2030</b>	<b>Long-Term 2031-2040</b>	<b>Total 2019-2040</b>
Liberty Bridge Preservation	Allegheny				
10th Street Bridge Rehabilitation	Allegheny				
Glenwood Bridge Ramps Rehabilitation	Allegheny				
Elizabeth Bridge Rehabilitation	Allegheny				
9th Street Bridge Rehabilitation	Allegheny	\$26,875,000			\$26,875,000
Greenfield Avenue Bridge Replacement	Allegheny				
Swinburne Street Bridge Rehabilitation	Allegheny	\$1,450,000			\$1,450,000
28th Street Bridge Rehabilitation	Allegheny	\$1,267,000	\$6,000,000		\$7,267,000
Talbot Avenue Ramp Bridge Rehabilitation	Allegheny		\$3,300,000		\$3,300,000
6th Street Bridge Rehabilitation	Allegheny	\$8,000,000	\$15,300,000		\$23,300,000
McKeesport-Duquesne Bridge Preservation	Allegheny	\$8,300,000	\$5,000,000		\$13,300,000
New Kensington Bridge Rehabilitation	Allegheny	\$4,500,000			\$4,500,000
SR 4017 over Pine Creek Bridge Rehabilitation/Replacement	Allegheny				
Sutersville Bridge Preservation	Allegheny	\$4,400,000			\$4,400,000
Charles Anderson Bridge Rehabilitation	Allegheny	\$6,000,000			\$6,000,000
Jerome Street Bridge Rehabilitation	Allegheny	\$13,000,000			\$13,000,000
SR 366 Tarentum Bridge Preservation	Allegheny	\$15,000,000			\$15,000,000
Armstrong Tunnel Rehabilitation	Allegheny				
Dookers Hollow Bridge Replacement	Allegheny	\$12,000,000			\$12,000,000
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	\$3,500,000	\$11,000,000		\$14,500,000
Forbes Avenue/Fern Hollow Bridge Rehabilitation	Allegheny		\$15,000,000		\$15,000,000
Larimer Avenue Bridge Preservation	Allegheny	\$800,000		\$20,000,000	\$20,800,000
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
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	\$3,000,000			\$3,000,000
Dutch Ridge Road Bridge Replacement	Beaver	\$4,500,000			\$4,500,000
Bradys Run Road Bridge Rehabilitation/Replacement	Beaver				
SR 528 Bridge Reconstruction	Butler		\$21,500,000		\$21,500,000
Cast Iron Bridge Rehabilitation	Fayette	\$11,000,000			\$11,000,000
SR 711 Crawford Ave Bridge Replacement	Fayette	\$9,500,000	\$5,000,000		\$14,500,000
Layton Bridge Rehabilitation	Fayette	\$3,900,000	\$24,000,000		\$27,900,000
SR 88 Bridge Replacement	Greene	\$500,000	\$5,000,000		\$5,500,000
Home Railroad Bridge Replacement	Indiana				
US 119 Homer City Group Bridges Rehabilitation	Indiana	\$303,348	\$25,538,000		\$25,841,348
Mahoning Viaduct Rehabilitation	Lawrence				
SR 422 Eastbound Bridge Replacement	Lawrence			\$7,500,000	\$7,500,000
Belle Vernon Bridge Perseveration	Washington				
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				
SR 366 Bridge Replacement	Westmoreland	\$5,500,000	\$10,000,000		\$15,500,000
Salina Bridge Rehabilitation	Westmoreland	\$3,200,000	\$13,070,000		\$16,270,000
West Newton Bridge Rehabilitation/Replacement	Westmoreland	\$2,620,000	\$11,000,000		\$13,620,000
Capital Maintenance Bridge Line Item*	Allegheny, Beaver, Lawrence		\$481,977,317	\$989,122,789	\$1,471,100,106
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		\$183,560,688	\$434,909,474	\$618,470,162
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		\$293,627,572	\$689,867,943	\$983,495,515
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 2019-2022</b>	<b>Mid-Term 2023-2030</b>	<b>Long-Term 2031-2040</b>	<b>Total 2019-2040</b>
I-376 Pkwy East Corridor Safety and Congestion Improvements	Allegheny	\$15,500,000	\$20,000,000		\$35,500,000
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	\$8,000,000			\$8,000,000
I-79 & SR 910 Interchange Improvements	Allegheny	\$700,000	\$14,000,000		\$14,700,000
City of Pittsburgh Traffic Signal System Upgrades	Allegheny	\$1,620,000	\$8,900,000	\$41,520,000	\$52,040,000
Painters Run Road Widening	Allegheny	\$250,000	\$23,000,000		\$23,250,000
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		\$8,900,000		\$8,900,000
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
I-79 Capacity Upgrades: Southern Beltway Interchange	Allegheny	\$10,000,000			\$10,000,000
US 422 Wray Road Cut Safety Improvement	Armstrong				
US 422 Kittanning Elementary Intersection	Armstrong	\$3,280,000			\$3,280,000
SR 28 Goheenville DIP Safety Improvements	Armstrong	\$17,206,600			\$17,206,600
US 422 Margaret Road Intersection Improvement	Armstrong	\$1,670,000	\$30,000,000		\$31,670,000
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	\$22,000,000			\$22,000,000

I-376/SR 18 Intersection Realignment	Beaver				
SR 228 Pittsburgh Street Intersection Improvement	Butler	\$4,805,000			\$4,805,000
SR 228 Mars West Expansion	Butler	\$12,125,000	\$77,000,000		\$89,125,000
SR 228 Balls Bend Improvements	Butler	\$16,300,000	\$16,000,000		\$32,300,000
SR 228 Three Degree Road Intersection Improvement	Butler	\$27,800,000			\$27,800,000
US 422 /Greenwood Drive intersection Improvement	Butler		\$1,000,000		\$1,000,000
SR 68 Safety Improvements - Evans City to Butler	Butler	\$1,200,000	\$3,800,000	\$20,000,000	\$25,000,000
SR 356 Corridor Upgrades	Butler	\$8,520,000			\$8,520,000
Rochester Road Widening	Butler		\$10,000,000		\$10,000,000
SR 3020 (Freedom Road) Improvements & Capacity Upgrades	Butler		\$17,500,000		\$17,500,000
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	\$1,300,000	\$20,000,000	\$70,000,000	\$91,300,000
US 119 McClure Road/Kingview Road Intersection Improvements	Fayette	\$9,750,000	\$35,000,000		\$44,750,000
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				
US 119 Wake Robin Curve	Indiana			\$25,000,000	\$25,000,000
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	\$26,775,000			\$26,775,000
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
I-79 Capacity Upgrades: Southern Beltway Interchange	Washington	\$9,700,000			\$9,700,000
PA 356 Safety Improvement	Westmoreland	\$16,750,000			\$16,750,000
SR 31 SR 711 Intersection Improvements	Westmoreland				

PA 356 Truck Climbing Lane	Westmoreland	\$12,350,000			\$12,350,000
US 30 Traffic Signal Replacements	Westmoreland		\$1,250,000		\$1,250,000
PA 981 Signals - Latrobe	Westmoreland	\$3,000,000			\$3,000,000
WECO Signal Upgrades	Westmoreland	\$5,000,000			\$5,000,000
US 30 Corridor Improvements	Westmoreland	\$2,000,000	\$36,000,000		\$38,000,000
SR 981 / Laurel Valley Transportation Improvements	Westmoreland	\$43,500,000		\$55,000,000	\$98,500,000
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, Beaver, Lawrence		\$264,783,782	\$417,622,108	\$682,405,890
Traffic Operations & Safety Line Item	Armstrong, Butler, Indiana		\$3,206,280	\$65,765,288	\$68,971,568
Traffic Operations & Safety Line Item	Fayette, Greene, Washington, Westmoreland		\$99,705,198	\$152,657,704	\$252,362,902



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

<b>Project Name</b>	<b>County</b>	<b>Short-Term 2019-2022</b>	<b>Mid-Term 2023-2030</b>	<b>Long-Term 2031-2040</b>	<b>Total 2019-2040</b>
Lower Hill Redevelopment Interior Roads	Allegheny				
PPC-Marine Diesel Engine Retrofit	Allegheny	\$2,447,952			\$2,447,952
I-579 Cap	Allegheny	\$26,440,000			\$26,440,000
Allegheny Riverfront Infrastructure Projects	Allegheny			\$46,080,000	\$46,080,000
SR 228 I-79 to Franklin Road Enhancements	Butler	\$5,000,000			\$5,000,000
Moraine State Park Access Road	Butler				
I-79, Mt. Morris Interchange Area Improvements	Greene		\$6,000,000		\$6,000,000
US 22 Pedestrian and Bicycle Bridge	Indiana				