

TRANSPORTATION FUNDING

The Long-Range Transportation Plan spans 25 years, beginning in 2024 and continuing through 2050, with a funding plan of \$4,388,657,019. However, that regional funding is supplemented by \$974,806,257 in state and federal grant money, and money specifically targeted for the interstate system. That brings the total funding projected to flow into the Lehigh Valley by 2050 to \$5,363,463,276.



The LRTP is **not** a defined budget, but rather a long-term funding plan of how to spend money that is projected to be available in those future years. It is “fiscally constrained”, which means that only enough projects can be planned that match the funding that is reasonably expected to arrive in those years. As federal and state infrastructure investment programs change and as local governments, non-profits and the private sector secure grant funding the regional pool of resources grows. In other words, projects and plans in the short, mid-term and long-range lists are priorities that the region can reasonably expect to achieve over the next 25 years.

The budget for projects and programs included in the Long-Range Transportation Plan (LRTP) was determined by referencing years 2022-2023 of the existing Transportation Improvement Program (TIP), years 2024-2036 of the 2024 Financial Guidance 12-year expenditure projections published by the Pennsylvania Department of Transportation, and years 2037-2050 projections of future funding at a 3% inflation rate. Even with over \$5 billion in anticipated funding, at least \$2.27 billion in unmet needs exist in the Lehigh Valley today.



FUNDING STAGES	YEAR RANGE	PROJECTED BUDGET	DESCRIPTION
SHORT-RANGE	2024 - 2028	\$633,508,000	Comprised of programming for projects planned for the years of 2024-2028, including the projects already funded in the current TIP. Considered high-priority, with phases of work started or completed during the four-year Program timeframe.
MID-RANGE	2029 - 2036	\$1,090,408,980	<p>Comprised of projects planned for the years of 2029-2036, including some projects that may have been started during the 2024-2028 Transportation Improvement Program, but were not completed, as well as projects listed on the State Transportation Commission's 2023 Twelve-Year Program.</p> <p>The Twelve-Year Program project list is determined by anticipated project completion timetables, goals and targets for infrastructure through a policy-driven decision process based upon performance conditions and statewide asset needs.</p>
LONG-RANGE	2037 - 2050	\$2,664,740,039	Comprised of projects programmed, but not completed, during the State Transportation Commission's Twelve-Year Program, as well as candidate projects or plans selected from the FutureLV Transportation Needs Assessment performed in partnership with all 62 municipalities, the Pennsylvania Department of Transportation, Regional agencies, private and public partners, under the direction of the Lehigh Valley Transportation Study (LVTS).
UNMET NEEDS	2024 - 2050	N/A	Plans and projects that could not be funded with anticipated funding resources. These plans and projects are priorities for the region and funding from local capital improvements, grant, loan programs, larger state and federal infrastructure investment sources or public-private partnerships can be pursued. In the case of projects that need tens of millions or more than a billion dollars to complete, region resources will not be enough and funding outside of or in addition to the Metropolitan Planning Organization's allocation are typically needed.



Transportation Needs Assessment

The Transportation Needs Assessment was a formal process for public outreach to municipalities and potential project sponsors, fulfilling State Long-Range Transportation Plan goals of extensive public and stakeholder involvement in project programming. The Lehigh Valley’s expansive public engagement process included 24 meetings, between February 27 and March 24, with municipal officials, community leaders, residents and regional agency stakeholders in all 62 municipalities, to gather project requests and community priorities.



During the course of those 22 sub-regional public meetings and two regionwide public meetings, roughly 300 projects were submitted. They were added to the funded projects in the existing LRTP, and the current Transportation Improvement Program, as well as a lengthy list of previously submitted projects that could not be funded, titled the “unmet needs list.” All together, it added to more than 600 projects.

The projects were then vetted to determine their eligibility for federal and state funding, using a complex evaluation model that used more than 120 data sets to determine everything from safety, to bridge conditions to proximity to underserved or disadvantaged communities, to how it would impact the environment. Setting priorities of which projects would be planned for potential funding was based on established federal and regional goals of safety, asset management, equity and environmental justice, freight movement and economic vitality, congestion reduction, and overall cost effectiveness, considering the available funding.

Ultimately, the LVTS held public workshops June 16, 23, 30 and August 3 to discuss every project and the scoring system to determine which projects would be funded and in what funding range.

Funding Categories

The projects were put into 10 funding categories, and each category receives funding that can be used only for projects in that category.

The categories are:

Transportation Improvement Program	Pg. 150
Bridges	Pg. 161
Road	Pg. 173
Road Reconstruction, Modernization and Automation	Pg. 182
Roadway Expansion	Pg. 198
Multimodal	Pg. 204
Planning + Research	Pg. 213
Safe Routes to School	Pg. 218
Rail	Pg. 219
Transit	Pg. 220

The following charts include all of the projects in the Long-Range Transportation Plan, and the time ranges in which they are expected to be funded. Projects with funding listed as “Unmet Needs” are projects in which funding has not been identified to pay for them.



LONG-RANGE TRANSPORTATION PLAN | TRANSPORTATION IMPROVEMENT PROGRAM

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Hollenbachs Bridge - Bridge replacement or rehabilitation - State Route 4009	Lowhill Township	L	\$2,000,000				PennDOT
Cementon Bridge - Bridge replacement	Whitehall Township	L	\$1,000,000				PennDOT
Vera Cruz Road Bridge over Hosensack - Bridge rehabilitation/replacement	Upper Milford Township	L	\$20,000				PennDOT
Donats Peak Road Bridge - Bridge replacement	Lynn Township	L	\$20,000				PennDOT
Frost Hollow Road/Tributary of Delaware River - Bridge rehabilitation or replacement	Forks Township	N	\$20,000				PennDOT
Linden Street - Highway restoration and signal upgrades from Elizabeth Avenue to Broadhead Road within the City of Bethlehem and Bethlehem Township	City of Bethlehem	N	\$500,000				PennDOT
Richmond Bridge - Bridge replacement	Washington Township	N	\$614,300				PennDOT
Meadows Road Bridge (County Bridge 15) - Bridge rehabilitation/replacement	Lower Saucon Township	N	\$3,400,000				Northampton County
Indian Trail Road over Hokendauqua Creek - Bridge replacement	Allen Township	N	\$100,000				PennDOT
Maple Drive over Tributary to Bertsch Creek - Bridge rehabilitation or replacement	Lehigh Township	N	\$324,000				PennDOT
Lehigh Race Street Intersection - Race Street intersection improvements at signalized intersection	Catasauqua	L	\$500,000				PennDOT
Lehigh Valley Transportation Study Congestion Mitigation and Air Quality (CMAQ) - LANTA Flex - Bus replacement	Various	L/N	\$7,200,000				PennDOT
Freeway Service Patrol - To provide two roaming tow trucks along Interstate 78 from State Route 100 to the State Route 309 split, and along US Route 22 from State Route 100 to State Route 33 for removal of disabled or accident vehicles	Various	L/N	\$1,800,000				PennDOT
Farmersville Road Bridge over US Route 22 - Bridge replacement/rehabilitation	Bethlehem Township	N	\$4,200,000				PennDOT

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Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Indian Creek Road over Leibert Creek - Bridge replacement	Upper Milford Township	L	\$1,500,000				PennDOT
Breinigsville Road over Breinig Run - Bridge replacement	Upper Macungie Township	L	\$20,000				Upper Macungie
Williams Township Canal Wall Replacements - Retaining wall replacements	Williams Township	N	\$3,050,000				PennDOT
State Route 222 & Shantz Road & State Route 863 Improvements - Intersections improvement of State Route 222 and Shantz Road (State Route 3012) and Farmington Road (State Route 863)	Upper Macungie Township	L	\$100,000				PennDOT
Lehigh Valley Transportation Study In-House Bridge Design Assistance - In-house bridge design support services	Various	L/N	\$200,000				LVTS
Mill Road over Tributary to Saucon Creek - Bridge rehabilitation or replacement	Upper Saucon Township	L	\$365,820				PennDOT
Corridor Signal Improvement Line Item - Corridor signal improvement reserve line item	Various	L/N	\$3,014,727				LVTS
Transportation Alternatives Program Line Item - Reserve line item for multimodal facilities,	Various	L/N	\$3,014,727				LVTS
Safety Line Item - Line item reserve for safety	Various	L/N	\$3,014,727				LVTS
Urban Line Item Reserve - Line item reserve for rehabilitation	Various	L/N	\$3,014,727				LVTS
Consultant Assistance - Consultant assistance in project delivery and construction	Various	L/N	\$3,014,727				LVTS
State Route 143 over Tributary Ontelaunee - Bridge rehabilitation	Lynn Township	L	\$20,000				PennDOT
Mosserville Road over Ontelaunee Creek - Bridge replacement	Lynn Township	L	\$1,250,000				PennDOT
Belvidere Road over Tributary to Delaware River - Bridge rehabilitation	Lower Mount Bethel Township	N	\$20,000				PennDOT

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Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Lower South Main Street over Martins Creek - Bridge replacement	Washington Township	N	\$3,300,000				PennDOT
Newburg Road over Tributary to Monocacy Creek - Bridge replacement (State Route 3020)	Lower Nazareth Township	N	\$6,700,000				PennDOT
Newburg Road over East Branch Monocacy Creek - Bridge replacement (State Route 3020)	Upper Nazareth Township	N	Funds reside with project above				PennDOT
Washington Street over Brush Meadow Creek - Bridge rehabilitation	Bangor Borough	N	\$1,190,000				PennDOT
State Route 512 Bridge - Beth-Bath Pike over Monocacy Creek - Rehabilitation or replacement bridge over the Monocacy Creek, approximately 350 feet north of Locust Road	East Allen Township	N	\$3,250,000				PennDOT
State Route 248 Realignment - Realignment straighten Route 248 to eliminate zigzag turn movements through Bath Borough, reduce traffic on Main Street between Bridge Street and Chestnut Street	Bath Borough	N	\$4,600,000				PennDOT
Transportation Alternative/Multimodal Project Management - Transportation enhancement/alternative project management	Various	L/N	\$300,000				LVTS
Hecktown Road Bridge over US Route 22 - Bridge rehabilitation, superstructure replacement	Bethlehem Township	N	\$4,250,000				PennDOT
Country Club Road over US Route 22 - Bridge replacement	Bethlehem Township	N	\$450,000				PennDOT
Kernsville Road Bridge - Bridge replacement or rehabilitation (State Route 4003)	North Whitehall Township	L	\$965,000				PennDOT
Hill-to-Hill Bridge Rehabilitation - Bridge rehabilitation	City of Bethlehem	L	\$69,825,000				PennDOT
Easton Road over Saucon Creek East Branch - Bridge rehabilitation or replacement (State Route 2006)	Lower Saucon Township	N	\$2,140,000				PennDOT

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Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
South Walnut Street Bridge - Bridge replacement	Slatington Borough	L	\$6,577,580				PennDOT
Main Street (SR 873) & Walnut Street Intersection Improvements - Realignment and reconstruction of State Route 873/Walnut Street intersection	Slatington Borough	L	Funds reside with project above				PennDOT
Fifth Street Bridge - Construct new bridge (State Route 1029)	Whitehall Township	L	\$8,000,000				PennDOT
Environmental Impacts Resolution Line Item - Permit compliance such as repair and monitoring of wetland areas, and MS4 requirements of the Federal Environmental Protection Agency	Various	L	\$200,000				PennDOT
Route 309 Resurface - Highway resurfacing of Sand Spring Road (State Route 4010) to State Route 100	Heidelberg and North Whitehall Townships	L	\$4,100,000				PennDOT
Lehigh Street Betterment - Resurface and rehabilitation of State Route 2005	Emmaus Borough	L	\$6,000,000				PennDOT
Resurface State Route 33, Interstate 78 to US Route 22 - Pavement resurface/rehabilitation	Lower Saucon Township	N	\$8,025,000				PennDOT
State Route 33 Bushkill Creek Bridges - Bridge replacement	Stockertown Borough	N	\$8,786,685				PennDOT
State Route 309 & Tilghman Interchange Reconstruction - Interchange reconfiguration bridge replacements coordinated signal system	South Whitehall Township	L	\$73,325,000				PennDOT
State Route 222 North Widening LVTS - Highway resurface	Upper Macungie Township	L	\$500,000				PennDOT
Construction Assistance - Consultant assistance for state funded construction projects	Various	L/N	\$200,000				PennDOT

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Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Construction Assistance - Consultant assistance for inspection and/or oversight of approved Transportation Improvement Program construction projects eligible for federal funding including highway, bridge and transportation alternative projects	Various	L/N	\$200,000				PennDOT
Broad Street Nazareth Railroad Crossing - Upgrade railroad safety Equipment (State Route 191)	Nazareth Borough	N	\$449,569				PennDOT
7th Street Multimodal Corridor - Intersection/Roadway Improvements (State Route 145)	Whitehall Township	L	\$2,725,000				PennDOT
Nazareth Pike Resurface - Milling, base repair, Americans with Disabilities Act ramps, resurfacing and new pavement markings on State Route 191 from Newburg Road in Lower Nazareth Township to North New Street in Nazareth Borough	Lower Nazareth Township	N	\$200,000				PennDOT
25th Street Resurface - Resurfacing Island Park Road (State Route 2012) from Shimersville Road (State Route 2014) to State Route 248 in City of Bethlehem, Glendon and Wilson Boroughs, and Lower Saucon, Palmer, and Williams Townships	Glendon and Wilson Boroughs, Lower Saucon, Palmer , Williams Townships	N	\$1,200,000				PennDOT
State Route 309 Center Valley Interchange - Interchange improvements	Upper Saucon Township	L	\$70,150,000				PennDOT
Lehigh Valley Transportation Study Highway & Bridge - Line item reserve for rehabilitation	Various	L/N	\$263,540,802				LVTS
State Route 309 Resurface - Roadway resurface to include mill and overlay, concrete patching, guiderail upgrades and movement markings.	South Whitehall Township	L	\$12,000,000				PennDOT
Lehigh Valley Transportation Study Traffic Review Assistance - Consultant staffing review assistance	Various	L/N	\$3,014,727				PennDOT
Bethlehem Rail Corridor Safety - Upgrade railroad safety equipment (State Route 3015)	Bethlehem Township	N	\$1,260,000				PennDOT
Ruppsville Road - Upgrade railroad safety equipment	Upper Macungie Township	L	\$270,200				PennDOT

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Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Penn Avenue Alburdis Railroad Crossing - Upgrade railroad safety equipment	Alburdis Borough	L	\$281,277				PennDOT
Canal Road Allentown Railroad Crossing - Upgrade railroad safety equipment	City of Allentown	L	\$350,000				PennDOT
Howertown Road Bridge - Bridge replacement	Allen Township	N	\$560,000				PennDOT
25th Street Hill Improvement - A full restoration, resurfacing and rehabilitation to South 25th Street (State Route 2012) from the intersection of Freemansburg Avenue to the divided highway at the Lehigh River Bridge near Glendon Borough	Palmer Township	N	2,550,000				PennDOT
Gap Bridge Repairs - Bridge repairs on the Lehigh Gap Bridge	Washington Township	L	\$7,000,000				PennDOT
Two Rivers Trail Gap 9A - Pedestrian trail	Bushkill Township	N	\$54,036				Northampton
Race Street over Lehigh River - Bridge rehabilitation/replacement	Whitehall Township	L	\$60,000				PennDOT
Powder Valley Road over Indian Creek - Bridge replacement	Upper Milford Township	L	\$965,000				PennDOT
Raubsville Road over Frey's Run - Bridge replacement of Raubsville Road (State Route 2006) over Freys Run	Williams Township	N	\$1,968,750				PennDOT
Lehigh Valley Transportation Study Bridge Preserve & Repair 6 - Bridge preservation & rehabilitation contract for Lehigh Valley Area	Various	N	\$100,000				PennDOT
State Route 145 Safety Improvements - Mill, overlay, American with Disabilities Act (ADA) compliance, restripe protected left turn bays at signals, align opposing left turns, two-way left turn signals throughout, access management, etc.	City of Allentown	L	\$5,300,000				PennDOT
Old Carriage Road Bridge Replacement - Old Carriage Rd (State Route 3018) over Tributary to Catasauqua Creek Bridge replacement	East Allen Township	N	\$100,000				PennDOT
Box Culvert Bundle-Round 1 - Box culvert replacements	Various	N	\$3,600,000				PennDOT

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Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Box Culvert Bundle-Round 2 - Box culvert replacements	Various	L	\$4,740,000				PennDOT
Church Road Newside over Tributary to Mill Creek - Bridge rehabilitation	Heidelberg Township	L	Funds reside with project above				PennDOT
West Scenic Drive over Branch Hokendauqua - Bridge rehabilitation	Moore Township	N	Funds reside with project above				PennDOT
Bushkill Drive over a Tributary to Bushkill Creek - Bridge rehabilitation	Bushkill Township	N	Funds reside with project above				PennDOT
Mountain Road over Horn Creek - Bridge rehabilitation	Bushkill Township	N	Funds reside with project above				PennDOT
South Hoch Road Bridge - Bridge rehabilitation or replacement	Moore Township	N	Funds reside with project above				PennDOT
North Hoch Road Bridge - Bridge rehabilitation	Moore Township	N	Funds reside with project above				PennDOT
North Dauphin Street over Tributary to Lehigh River - North Dauphin Street (SR 1007) over Tributary to Lehigh River. Preventative maintenance activities	City of Allentown	L	\$65,000				PennDOT
US Route 22 from Farmersville Road to State Route 512 - Resurface US Route 22, including the interchanges at State Route 512 and State Route 191	Bethlehem Township	N	\$5,500,000				PennDOT
Jordan Creek Bridge Replacement - Bridge Rehabilitation or Replacement	City of Allentown	L	\$10,000,000				PennDOT
Lehigh Valley Transportation Study Urban Intelligent Transportation System (ITS) - Installation of Dynamic Message Signs (DMS) & Closed Circuit Television Cameras (CCTV)	Various	L	\$3,571,875				PennDOT
Cedar Crest Boulevard (State Route 29) Signal Upgrades - Corridor signal upgrade	Salisbury Township	L	\$748,112				PennDOT
MacArthur Road Signal Upgrade	Whitehall Township	L	\$977,768				PennDOT
Mauch Chunk Road Signal Upgrade	South Whitehall Township	L	\$2,200,000				South Whitehall
State Route 248 Signal Upgrade - Adaptive signal upgrade	Lehigh Township	N	\$539,000				Lehigh Township

LONG-RANGE TRANSPORTATION PLAN | TRANSPORTATION IMPROVEMENT PROGRAM

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
State Route 611 Retaining Wall Rehabilitation Easton - Retaining wall improvement	City of Easton	N	\$2,500,000				PennDOT
State Route 29 - Shimersville Hill Safety Improvement - Corridor safety improvements	Upper Milford Township	L	\$8,500,000				PennDOT
Summit Lawn to American Parkway Connectivity Study - Connectivity study Summit Lawn exit of Interstate 78 to American Parkway	City of Allentown	L	\$300,000				PennDOT
State Route 378 Lighting - State Route 378 street lighting	City of Bethlehem	L	\$1,300,000				PennDOT
Lehigh Valley Transportation Study Bridge Preservation #7 - Bridge preservation contract	Various	N	\$5,000,000				PennDOT
Lehigh Valley Transportation Study Traffic Operation Center Operator - Operator in Traffic Operations Center in District 5-0 for Lehigh and Northampton Counties for management coverage of Closed Circuit TV cameras, Dynamic Message Sign boards and Highway Advisory Radio system	Various	L	\$100,000				PennDOT
Lehigh Valley Transportation Study Bridge Preservation & Repair 8 - Bridge preservation contract	Various	L	\$5,000,000				PennDOT
Lehigh Valley Transportation Study High-Friction Surface - 2023 - High-Friction surface treatments	Lower Saucon Township	N	\$400,000				PennDOT
Lehigh Valley Transportation Study Signal Upgrades - Low cost signal upgrades at urban intersections	Various	L	\$71,000				LVTS
Allentown Martin Luther King (MLK) Jr. Drive - Pedestrian enhancements along MLK Jr. Drive at 4th Street and Lehigh Street	City of Allentown	L	\$56,208				Allentown
State Route 191 Lower Nazareth Intersection Improvements - Signal Improvements and Congestion Mitigation	Lower Nazareth Township	N	\$3,710,000				PennDOT
Bridge Overlay Bundle #2 - Preventative maintenance	Various	N	\$500,000				PennDOT
Main Street over Tributary to Martins Creek - Box culvert replacement	Lower Mount Bethel Township	N	\$20,000				PennDOT

LONG-RANGE TRANSPORTATION PLAN | TRANSPORTATION IMPROVEMENT PROGRAM

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
South Hokendauqua Drive over Hokendauqua Creek - Box culvert replacement	Moore Township	N	\$20,000				PennDOT
Freemansburg Avenue (State Route 2018) Safety Improvements - Intersection safety improvements	Bethlehem Township	N	\$3,300,000				PennDOT
State Route 512 Bangor Borough Study - This project consists of a roadway and traffic study along State Route 512 from Second Street to the east end in Bangor Borough. Also included are the adjacent legs of State Route 1015 and State Route 1016	Bangor Borough	N	\$200,000				PennDOT
County Bridge Reserve Line Item - County bridge rehabilitation/replacement/preservation	Various	L/N	\$5,500,000				Lehigh, Northampton
Municipal Bridge Line Item - This line item will provide funds for rehabilitation, replacement, or preventative maintenance activities of municipal bridges that are identified through a regional review and selection process	Various	L/N	\$5,500,000				LVTS
Lehigh Valley Transportation Study All Weather Pavement Markers 2023 - All weather pavement markings	Lynn Township	L	\$5,000				PennDOT
In-House Geo Tech Assistance - In-house geo tech assistance	Macungie Borough	L	\$200,000				PennDOT
BPN-4 Guide Rail Upgrade Line Item - BPN-4 guide rail upgrades	East Allen Township	N	\$200,000				PennDOT
US Route 22/State Route 191 Interchange Improvements - Interchange improvements	Bethlehem Township	N	\$38,700,000				PennDOT
US Route 22/Fullerton Interchange - Interchange improvements	Whitehall Township	L	\$18,848,715				PennDOT
Lehigh Valley Transportation Study Systemic Safety Improvements - Safety Improvements	Various	L	\$30,000				PennDOT

LONG-RANGE TRANSPORTATION PLAN | TRANSPORTATION IMPROVEMENT PROGRAM

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
State Route 309 - Signal Head Reflective Backplate - The low cost safety improvement is adding signal head backplates on the northbound and southbound State Route 309 signals	Upper Saucon Township	L	\$6,198				PennDOT
Tropical Storm Ida Department Force Emergency Lehigh Valley Transportation Study - Department force emergency repairs from Tropical Storm Ida	Various	N	\$24,780				LVTS
Bogert's Bridge Rehabilitation - Rehabilitation of Bogert's Covered Bridge	City of Allentown	L	\$1,300,000				City of Allentown
Coopersburg Streetscape Phase 6 - Traffic, pedestrian and bicycle improvements to South Main Street (State Route 2045)	Coopersburg Borough	L	\$1,000,000				PennDOT
Easton/Lafayette College Pedestrian Safety Project - Phase 3 - Pedestrian enhancements in College Hill neighborhood	City of Easton	N	\$710,000				City of Easton
Ironton Rail Trail Trailhead Improvement Project - Bicycle/ Pedestrian safety improvements at Ironton Rail Trail trailhead	Whitehall Township	L	\$320,000				Whitehall Township
Ironton Rail Trail Crosswalk Improvements - Pedestrian safety improvements along Mauch Chunk Road (State Route 1017) and Quarry Street	North Whitehall Township	L	\$700,000				Whitehall Township
Jordan Creek Greenway in Covered Bridge Park - Extension of the Jordan Creek Greenway Trail	South Whitehall Township	L	\$1,000,000				South Whitehall Township
100 Steps Restoration Project - Repair and restoration of the historic '100 Steps'	Slatington Borough	L	\$400,000				Slatington Borough
Lehigh Valley Transportation Study Vulnerable Road User Project - Tier 1 - Vulnerable Road User (VRU) safety improvements	City of Allentown	L	\$1,050,350				PennDOT

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Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Riverside Drive RAISE Grant - Convert approximately 2 miles of abandoned railroad bed along the west side of the Lehigh River from Lehigh Ave (Whitehall Township) to Furnace St (City of Allentown) to a complete two-lane street with an adjacent multi-use path	City of Allentown, Whitehall Township	L	\$40,499,000				LVTS
TRANSPORTATION IMPROVEMENT PROGRAM TOTAL			\$809,194,387	\$0	\$0	\$0	

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Box Culvert Bundle #5 - Rehabilitation/ Replacement of box culverts in Lehigh and Northampton Counties	Various	L/N		\$7,500,000			PennDOT
Bridge Preventative Line Item - Bridge preservation in Lehigh and Northampton Counties	Various	L/N		\$3,589,189			PennDOT
Freight Impacted Bridges Line Item - Critical bridge repairs, including emergency rehabilitation and maintenance	Various	L/N		\$11,500,000			LVTS
Northampton County Bridge Reserve Line Item - County bridge rehabilitation/replacement/preservation	Various	N			\$2,450,384		LVTS
Northampton County Bridge Rehabilitation/ Replacement/ Preservation - County bridge rehabilitation/ replacement/preservation related to climate change	Various	N				\$5,736,736	LVTS
Lehigh County Bridge Reserve Line Item - County bridge rehabilitation/replacement/preservation	Various	L			\$2,450,384		LVTS
Lehigh County Bridge Rehabilitation/ Replacement/ Preservation - County bridge rehabilitation/ replacement/preservation related to climate change	Various	L				\$5,736,736	LVTS
Hamilton Street Bridge - Rehabilitation/ Replacement of the bridge carrying Hamilton Street over Railroad Tracks and the Jordan Creek	City of Allentown	L		\$16,374,239			Lehigh County
Front Street Bridge - Replacement/ Rehabilitation of the Front Street Bridge (State Route 1015) over abandoned railroad	City of Allentown	L		\$768,174			Transportation Improvement Program
Fourth Street Bridge - Replacement project for the bridge carrying Fourth Street in the City of Allentown over Sumner Avenue and Jordan Creek	City of Allentown, Whitehall Township	L		\$16,374,239			Lehigh County
Reading Road Bridge - Rehabilitation/ Replacement of the bridge carrying Walnut Street over Cedar Creek	City of Allentown	L		\$5,116,950			Lehigh County
State Route 611 Bridge - Rehabilitation of the bridge over the Lehigh River	City of Easton	N		\$5,000,000			PennDOT

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Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
State Route 329 Bridge over Hokendauqua Creek - Bridge rehabilitation/replacement	Northampton Borough	N		\$5,000,000			PennDOT
Hamilton Street Bridge - Rehabilitation/ Replacement of the bridge carrying Hamilton Street over Albert Street, railroad tracks and the Lehigh River	City of Allentown	L		\$60,000,000			Lehigh County
Union Boulevard Bridge (State Route 1002) - Rehabilitation/ Replacement of bridge over former New England Railroad	City of Allentown	L		\$3,400,000			City of Allentown
Northampton County Bridge #168 - Removal of closed High Street Bridge that previously connected Glendon Borough to Hugh Moore Park in City of Easton	Glendon Borough	N		\$2,300,000			Northampton County
US Route 22 over Bushkill Creek Bridge - Cemetery Curve Bridge rehabilitation or deck replacement	City of Easton	N		\$10,907,163	\$19,794,537		PennDOT
Northampton County Bridge #19 - Rehabilitation/ Replacement Seidersville Road Bridge	City of Bethlehem	N			\$16,374,239		Northampton County
Main Street Ramp Bridge Rehabilitation - Connect to Main Street from State Route 378	City of Bethlehem	L			\$20,467,799		City of Bethlehem
Lehigh Gap Road (State Route 873) Improvements - Rehabilitation/ Replacement of box culvert over tributary to Lehigh River	Washington Township	L			\$1,290,000		PennDOT
Friedensville Road (State Route 3004) - Rehabilitation/ Replacement of bridge over Black River	Lower Saucon Township	N			\$1,500,000		PennDOT
Canal Park Bridge - Rehabilitation/ Replacement of bridge over Lehigh Canal	City of Allentown	L			\$2,050,000		City of Allentown
South 10th Street Bridge - Rehabilitation/ Replacement of bridge over Little Lehigh River	City of Allentown	L			\$3,250,000		City of Allentown
8th Avenue Bridge Replacement - Bridge over abandoned Norfolk Southern Railroad tracks	City of Bethlehem	L			\$2,800,000		PennDOT, City of Bethlehem

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Pine Street Bridge - Spanning the Lehigh River between Whitehall Township and the Catasauqua Borough	Whitehall Township, Catasauqua Borough	L			\$80,531,161		Lehigh County
Glendon Hill (Hugh Moore Park) Bridge - Provide access to Hugh Moore Park and the National Canal Museum	City of Easton	N			\$862,500		Transportation Improvement Program
State Route 512 - Rehabilitation/ Replacement of bridge over Brushy Meadow Creek	Bangor Borough	N			\$38,205		State Transportation Commission
Silver Creek Culvert - Rehabilitation/ Replacement of the culvert carrying Silver Creek under State Route 412 (Main Street) to mitigate effects of flooding on adjacent streets in the Borough during extreme weather events	Hellertown Borough	N			\$6,500,000		Hellertown Borough
South 5th Street Bridge - Rehabilitation/ Replacement of bridge over Trout Creek	City of Allentown	L			\$2,550,000		City of Allentown
Schreiber's Bridge - Rehabilitation/ Replacement of bridge carrying Lehigh Parkway East over the Little Lehigh River	City of Allentown	L			\$4,000,000		City of Allentown
Market Street (State Route 512) Improvements - Realignment of State Route 512 at the intersection of North Main Street to improve safety and reduce congestion	Bangor Borough	N			\$5,175,231		PennDOT
South Main Street Bridge - Bridge replacement over Martins Creek	Bangor Borough	N			\$4,435,912		PennDOT
State Route 145 Bridge Replacement - Replacement of bridge Over Fells Creek	North Whitehall Township	L			\$2,100,000		PennDOT
Easton Road Bridge - Rehabilitation of bridge over tributary to Delaware River	Lower Mount Bethel Township	N			\$38,205		State Transportation Commission
Hamilton Boulevard (State Route 222) - Rehabilitation/ Replacement of box culvert over Breinig Run	Upper Macungie Township	L			\$1,950,000		PennDOT
Main Street (State Route 2025) - Rehabilitation/ Replacement of bridge over Little Bushkill Creek	Stockertown Borough	N			\$2,500,000		PennDOT

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Interstate 78/State Route 309 - Rehabilitation/ Replacement of Bridge over Fish Hatchery Rd (State Route 2010) and Little Lehigh Creek (Lehigh Parkway)	City of Allentown	L			\$20,000,000		PennDOT
Main Street (State Route 2025) Bridge - Rehabilitation/ Replacement of the bridge over Little Bushkill Creek	Stockertown Borough	N			\$2,400,000		Stockertown Borough
Schantz Road/ Tributary Cedar Creek Bridge - Replacement/ Rehabilitation of the Schantz Road (State Route 2015) bridge over tributary to Cedar Creek	Upper Macungie Township	L			\$3,399,200		Transportation Improvement Program
Jacksonville Road Bridge - Rehabilitation/ Replacement of bridge over Monocacy Creek	East Allen Township	N			\$2,800,000		East Allen Township
State Route 248 Bridge over Indian Creek - Replacement/ Rehabilitation near Indian Trail Park	Lehigh Township	N			\$4,560,000		PennDOT
Tatamy Road Bridge Replacement - Replacement of bridge over Shoeneck Creek	Palmer Township	N			\$1,000,000		PennDOT
Park Avenue Bridge - Rehabilitation of bridge over tributary to Mill Creek	Heidelberg Township	L			\$38,205		State Transportation Commission
Palm Road (State Route 2029) Bridge Replacement - Replacement of bridge over Indian Creek	Lower Milford Township	L			\$5,116,950		PennDOT
Huckleberry Road (State Route 4004) Bridge Replacement - Replacement of bridge over tributary to Jordan Creek	South Whitehall Township	L			\$3,070,170		PennDOT
State Route 143 Bridge Replacement - Replacement of bridge over tributary to Ontelaunee Creek	Lynn Township	L			\$3,070,170		PennDOT
Water Street Culvert - Rehabilitation/ Replacement of culvert on East end of Eberhart Road at Water Street and adjacent to Lehigh River	Whitehall Township	L			\$204,678		Whitehall Township
Kings Highway (State Route 143) - Rehabilitation/ Replacement of box culvert over Tributary to Ontelaunee Creek	Lynn Township	L			\$975,000		PennDOT

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Lackawanna Trail (State Route 611) - Rehabilitation/ Replacement of box culvert over tributary to Delaware River	Williams Township	N			\$1,040,000		PennDOT 12 Year Plan
Union Boulevard (State Route 1002) - Rehabilitation/ Replacement of bridge over abandoned railroad	City of Allentown	L			\$3,400,000		PennDOT
Fish Hatchery Road (State Route 2010) - Rehabilitation/ Replacement of bridge over Little Lehigh Creek	City of Allentown	L	\$2,400,000				PennDOT 12 Year Plan
Wood Street Bridge - Rehabilitation/ Replacement of the bridge over Catasauqua Creek	Catasauqua Borough	L			\$1,100,000		Catasauqua Borough
Limeport Pike over Saucon Creek Bridge - Replacement/rehabilitation of the Limeport Pike (State Route 2029) Bridge over tributary to Saucon Creek	Upper Saucon Township	L			\$750,000		Transportation Improvement Program
Kecks Bridge - Rehabilitation/ Replacement of the bridge carrying Keystone Road over the Little Lehigh Creek	Salisbury Township	L			\$10,233,899		Lehigh County
Limeport Pike Bridge Replacement - Over Hosensack Creek	Lower Milford Township	L	\$1,950,000				PennDOT 12 Year Plan
Male Road Bridge - Rehabilitation/ Replacement of bridge carrying Male Road over a tributary to the Bushkill Creek between Broadway (State Route 512) and the State Route 33 overpass	Wind Gap Borough	N			\$4,093,560		Wind Gap Borough
Coffeetown Road Bridge Replacement - Replacement of bridge over Coplay Creek	North Whitehall Township	L			\$1,050,000		PennDOT
State Route 611 Retaining Wall - Improvement of retaining wall along Delaware River Canal and Delaware River	City of Easton	N			\$17,309,731		PennDOT
Lehigh Drive (State Route 248) - Rehabilitation/ Replacement of box culvert over tributary to Bertsch Creek	Lehigh Township	N			\$1,020,000		PennDOT
Monocacy Drive (State Route 987) - Rehabilitation/ Replacement of box culvert over tributary to Monocacy Creek	Moore Township	N			\$1,260,000		PennDOT

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
State Route 309 - Rehabilitation/ Replacement of box culvert over tributary to Kistler Creek	Upper Saucon Township	L			\$2,140,000		PennDOT
Broadway (State Route 512) - Rehabilitation/ Replacement of box culvert over tributary to Bushkill Creek	Wind Gap Borough	N			\$1,400,000		PennDOT
Lehigh Street (State Route 1014) - Rehabilitation/ Replacement of bridge over Coplay Creek	Whitehall Township	L			\$2,400,000		PennDOT
Church Road (State Route 1016) - Rehabilitation/ Replacement of bridge over tributary to Bushkill Creek	Plainfield Township	N	\$1,450,000				PennDOT 12 Year Plan
State Route 100 - Rehabilitation/ Replacement of bridge over Hassen Creek	Upper Macungie Township	L			\$1,920,000		PennDOT
Kings Highway (State Route 143) - Rehabilitation/ Replacement of bridge over Ontelaunee Creek	Lynn Township	L			\$1,550,000		PennDOT
Main Street (State Route 412) - Rehabilitation/ Replacement of bridge over tributary to Saucon Creek	Hellertown Borough	N			\$2,250,000		PennDOT
Mauch Chunk Road (State Route 2017) - Rehabilitation/ Replacement of bridge over Coplay Creek	North Whitehall Township	L			\$1,700,000		PennDOT
Spring Creek Road (State Route 3001) - Rehabilitation/ Replacement of bridge over Little Lehigh Creek	Lower Macungie Township	L			\$2,500,000		PennDOT
Male Road Bridge - Rehabilitation/ Replacement of bridge carrying Male Road over tributary to the Bushkill Creek between Broadway (State Route 512) and the State Route 33 overpass	Wind Gap Borough	N			\$1,008,729		Wind Gap Borough
Northampton County Bridge #200 - Rehabilitation/ Replacement of Columbus Street bridge over Roseto Creek	Roseto Borough	N			\$2,600,000		Northampton County

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Northampton County Bridge #212 - Rehabilitation/ Replacement of the Sand Pit Road Bridge over Jacoby Creek	Upper Mount Bethel Township	N			\$1,950,000		Northampton County
Devonshire Bridge - Rehabilitation/ Replacement of bridge carrying Devonshire Road over the Little Lehigh Creek	City of Allentown	L			\$3,250,000		Lehigh County
Jacksonville Road (State Route 22) Bridge - Rehabilitation/ Replacement of bridge carrying US Route 22 over Jacksonville Road to improve safety, mitigate congestion and enhance multimodal opportunities along Jacksonville Road	Hanover Township	N			\$20,000,000		Hanover Township, Northampton County
Bake Oven Road (State Route 4019) Bridge - Rehabilitation/ Replacement of bridge over Tributary to Jordan Creek	Heidelberg Township	L			\$12,500,000		Heidelberg Township
Lower Saucon Road Bridge - Rehabilitation/ Replacement of Lower Saucon Road over East Branch of Saucon Creek	Lower Saucon Township	N			\$1,550,000		Lower Saucon Township, PennDOT 12 Year Plan
Cedar Crest Boulevard (State Route 222) Culvert Replacement - Replace pipe/culvert under Cedar Crest Boulevard near Burger King	South Whitehall Township	L			\$1,179,952		PennDOT
Kings Highway Bridge Replacement - Replacement of bridge over tributary to Hosensack Creek	Lower Milford Township	L			\$1,470,000		PennDOT
Northampton County Bridge #149 - Rehabilitation/ Replacement of the Cedar Drive Bridge over Indian Creek	Lehigh Township	N			\$5,116,950		Northampton County
Airport Road Bridge - Rehabilitation of bridge over abandoned railroad	East Allen Township	N			\$10,000,000		State Transportation Commission
Keystone Street Bridge - Rehabilitation/ Replacement over Nancy Run	Bethlehem Township	N			\$4,093,560		Bethlehem Township
Saeger's Quarry Bridge - Rehabilitation/ Replacement of bridge carrying County Bridge Road over Trout Creek	Washington Township	L			\$7,163,730		Lehigh County

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Lehigh Street (State Route 2018) Bridge Replacement Replacement of bridge over Swabia Creek	Macungie Borough	L				\$654,970	PennDOT
Werleys Corner Road (State Route 4019) Bridge Replacement - Replacement of over Sweitzer Creek	Lowhill Township	L			\$6,140,340		PennDOT
Limeport Pike (State Route 2029) Bridge Replacement - Replacement of bridge over tributary to Hosensack Creek	Lower Milford Township	L			\$4,093,560		PennDOT
Newside Road (State Route 4009) - Rehabilitation/ Replacement of box culvert over tributary to Mill Creek	Heidelberg Township	L			\$819,000		PennDOT
Neffs Laurys Road (State Route 4014) - Rehabilitation/ Replacement of box culvert over Fells Creek	North Whitehall Township	L			\$810,600		PennDOT
Delabole Road (State Route 1016) - Rehabilitation/ Replacement of box culvert over Waltz Creek	Plainfield Township	N			\$1,275,000		PennDOT
Lower Saucon Road (State Route 2001) - Rehabilitation/ Replacement of bridge over East Branch of Saucon Creek	Lower Saucon Township	N	\$1,550,000				PennDOT
Main Street (State Route 2045) - Rehabilitation/ Replacement of bridge over tributary to Saucon Creek	Coopersburg Borough	L			\$1,654,800		PennDOT
Hill Top Road (State Route 3004) - Rehabilitation/ Replacement of bridge over Little Lehigh Creek	Lower Macungie Township	L			\$1,890,000		PennDOT
Northampton County Bridge #132 - Rehabilitation/ Replacement of Stone Bridge Road over Hokendauqua Creek	Allen Township	N			\$3,050,000		Northampton County
Northampton County Bridge #228 - Rehabilitation/ Replacement of Middletown Road Bridge over Nancy Run Creek	Bethlehem Township	N			\$2,950,000		Northampton County
Church Street Bridge - Rehabilitation/ Replacement of bridge carrying Church Street over Swabia Creek from Lower Macungie Township to Alburdis Borough	Lower Macungie Township	L			\$840,000		Alburdis Borough

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Delaware Avenue (State Route 611) Bridge - Rehabilitation/ Replacement of bridge carrying Delaware Avenue (State Route 611) over Jacoby Creek	Portland Borough	N			\$2,410,000		Portland Borough
Mosserville Bridge - Rehabilitation/ Replacement of Bridge carrying Springhouse Road over Ontelaunee Creek	Lynn Township	L			\$5,339,426		Lehigh County
Township Line Road Bridge - Rehabilitation/ Replacement of bridge over Haasen Creek	Upper Macungie Township	L			\$840,000		Upper Macungie Township
Best Station Road (State Route 4022) Bridge - Rehabilitation/ Replacement of bridge over Trout Creek	Heidelberg Township	L			\$1,260,000		Heidelberg Township
Mountain Road (State Route 4024) Bridge - Rehabilitation/ Replacement of bridge at Hawk View Road (State Route 4029) over tributary of the Jordan River	Heidelberg Township	L			\$798,000		Heidelberg Township
Lower Saucon Road Bridge - Rehabilitation/ Replacement of Lower Saucon Road over East Branch of Saucon Creek	Lower Saucon Township	N			\$1,600,000		Lower Saucon Township
Northampton County Bridge #31 - Rehabilitation/ Replacement of the Depues Road Bridge over Oughoughton Creek	Lower Mount Bethel Township	N			\$6,140,340		Northampton County
Rex's Covered Bridge - Rehabilitation of bridge carrying Jordan Road over the Jordan Creek	North Whitehall Township	L				\$10,233,900	Lehigh County
Ruhetown Bridge - Rehabilitation/ Replacement of bridge carrying Jordan Road over Jordan Creek	Lowhill Township	L				\$8,187,120	Lehigh County
Long's Bridge - Rehabilitation/ Replacement of bridge carrying Allemaengel Road over Ontelaunee Creek	Lynn Township	L				\$20,467,799	Lehigh County
Kistler Valley Road (State Route 4040) - Rehabilitation/ Replacement of bridge over Switzer Creek	Lynn Township	L				\$1,700,000	PennDOT
Penn Allen Road (State Route 4004) - Rehabilitation/ Replacement of bridge over tributary to Monocacy Creek	Upper Nazareth Township	N			\$1,220,000		PennDOT

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
North Habea Street Bridge - Rehabilitation/ Replacement of the bridge carrying North Habea Street over the Catasauqua Creek	East Allen Township	N			\$3,000,000		East Allen Township
Emerald Bridge #2 - Rehabilitation/ Replacement of the bridge carrying Center Street over Trout Creek	Washington Township	L				\$1,500,000	Lehigh County
Reservoir Road Stormwater Pipe - Rehabilitation/ Replacement of stormwater facilities pipe on Reservoir Road	Heidelberg Township	L				\$1,400,000	Heidelberg Township
Country Road Bridge - Rehabilitation/ Replacement of bridge over unnamed waterway	Heidelberg Township	L				\$950,000	Heidelberg Township
Werleys Corner Court Bridge - Rehabilitation/ Replacement of pipe with a modern bridge or concrete box culvert to accommodate stormwater control infrastructure	Heidelberg Township	L				\$950,000	Heidelberg Township
Bingen Road Bridge - Rehabilitation/ Replacement of Bingen Road bridge over Saucon Creek near Coal Yard Road	Lower Saucon Township	N				\$3,250,000	Lower Saucon Township
Hollenbach Road Bridge Expansion - Reconstruction of bridge over Jordan Creek to widen for 1½ lanes to 2 lanes	Lowhill Township	L				\$1,000,000	Citizen (Farmer)
Wehr's Dam Covered Bridge - Rehabilitation of covered bridge carrying Wehr Mill Road over Jordan Creek	South Whitehall Township	L				\$10,233,900	Lehigh County
Oswald's Bridge - Rehabilitation/ Replacement of bridge carrying Gun Club Road over Ontelaunee Creek	Lynn Township	L				\$10,233,900	Lehigh County
Brookdale Road (State Route 3007) Bridge Replacement - Replacement of bridge over Breinig Run	Upper Macungie Township	L				\$3,070,170	PennDOT
Blöse's Bridge - Rehabilitation/ Replacement of bridge carrying Furnace Street over Trout Creek	Washington Township	L				\$1,250,000	Lehigh County

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Kocher's Bridge - Rehabilitation/ Replacement of bridge carrying Hollenbach Road over the Jordan Creek	Lowhill Township	L				\$3,250,000	Lehigh County
Buckery Road Bridge - Rehabilitation/ Replacement of bridge carrying Buckery Road over Jordan Creek	Heidelberg Township	L				\$750,000	Heidelberg Township
Mantz Road Bridge - Rehabilitation/ Replacement of bridge carrying Mantz Road over Jordan River	Heidelberg Township	L				\$1,800,000	Heidelberg Township
Reidy Mill Road Bridge - Rehabilitation/ Replacement of bridge over Jordan Creek	Heidelberg Township	L				\$950,000	Heidelberg Township
Ulrich's Mill Bridge - Rehabilitation/ Replacement of bridge carrying Ulrich Mill Road over Ontelaunee Creek	Lynn Township	L				\$10,233,900	Lehigh County
Kressley's Bridge - Rehabilitation/ Replacement of the bridge carrying Kressley Road over a tributary of Lyon Creek	Lowhill Township	L				\$250,000	Lehigh County
Narris Road Bridge - Rehabilitation/ Replacement of bridge carrying Narris Road over Switzer Creek	Lowhill Township	L				\$1,500,000	Lowhill Township
Old Village Road and Farrier Road Intersection Culvert - Rehabilitation/ Replacement of the culvert carrying Farrier Road over a tributary of Cherith Brook	Lowhill Township	L				\$550,000	Lowhill Township
Church Road and Farrier Road Intersection Culvert - Rehabilitation/ Replacement of the culvert carrying Church Road over Cherith Brook	Lowhill Township	L				\$575,000	Lowhill Township
Country Spring Road Bridge - Rehabilitation/ Replacement of the abutments for the bridge carrying Country Spring Road over Switzer Creek	Lowhill Township	L				\$45,000	Lowhill Township
Church Road Culvert - Replacement of Church Road pipe near Christmas Tree Drive with a concrete culvert	Lowhill Township	L				\$575,000	Lowhill Township
Jones Road Bridge - Rehabilitation/ Replacement of Jordan Road Bridge	Heidelberg Township	L				\$250,000	Heidelberg Township

LONG-RANGE TRANSPORTATION PLAN | BRIDGES

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Bachman Road Bridge - Rehabilitation/Replacement of bridge over branch of Jordan Creek	Heidelberg Township	L				\$950,000	Heidelberg Township
Stockertown/Tatamy Bridge Replacement - Reconstruction of the bridge that was previously destroyed between Tatamy Road (Tatamy Borough) and Bushkill Street (Stockertown Borough)	Stockertown Borough, Tatamy Borough	N			\$3,000,000		Stockertown/Tatamy Boroughs
BRIDGES TOTAL			\$7,350,000	\$147,829,954	\$407,874,107	\$124,608,369.46	

LONG-RANGE TRANSPORTATION PLAN | ROAD

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
US Route 22, State Route 33 and Interstate 78 Landscape Project - Improvements to existing landscape infrastructure along the corridors to incorporate green spaces, public art, and sustainable design principles building on a vision from a comprehensive analysis that includes local stakeholders	Various	L/N		\$1,500,000			LVPC
Slides + Climate Resiliency (PROTECT) Line Item - Reserve line item for natural disasters, such as slides and sink holes, that may occur throughout the life-span of project planning	Various	L/N		\$4,906,816			PennDOT
Resurfacing Line Item - Reserve line item for resurfacing of roads in Lehigh and Northampton Counties	Various	L/N		\$4,127,567			PennDOT
State Route 145/South Pike Avenue Betterment Project - Improvements from State Route 309 to Church Road	City of Allentown	L		\$13,397,630	\$4,000,000		PennDOT Betterment Project
Fullerton Avenue (State Route 1015) Betterment Project - Improvements from Front Street to First Avenue	Whitehall Township	L		\$7,573,086			PennDOT Betterment Project
State Route 145/7th Street Betterment Project - Improvements from Church to Fairmont	Slatington Borough	L		\$9,722,205			PennDOT Betterment Project
State Route 33 Betterment Project - Improvements from Interstate 78 to US Route 22	Bethlehem Township	N		\$20,263,121			PennDOT Betterment Project
State Route 378 Betterment Project - Colesville Road to Brighton Street	City of Bethlehem, Upper Saucon Township	L/N		\$17,771,165			PennDOT
American Parkway - Ridge Avenue to Union Street milling, paving, Americans with Disabilities Act ramps, concrete repair, striping and crosswalks	City of Allentown	L		\$1,036,347	\$10,220,943		City of Allentown
Main Street (State Route 3005) Resurfacing - Resurface from Riverside Drive (State Route 2014) to State Route 3007 in Bethlehem and Freemansburg Borough	City of Bethlehem and Freemansburg Borough	N		\$2,000,000			PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROAD

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Lehigh Street Betterment - Resurface of Lehigh Street (State Route 2005) from State Route 29 to State Route 145	City of Allentown, Emmaus Borough	L	\$582,452		\$8,183,504		PennDOT
State Route 378 Betterment Project - Main Street to US Route 22	City of Bethlehem	L/N			\$26,391,818		PennDOT
Tilghman Street (State Route 1002) Resurface Betterment - From State Route 100 in Upper Macungie Township, through South Whitehall Township to North Dauphin Street (State Route 1007) in Allentown	City of Allentown, South Whitehall and Upper Macungie Townships	L			\$12,195,000		PennDOT
State Route 248 Betterment Project - Newburg Road to 7th Street	Palmer Township	N		\$2,000,000	\$6,105,248		PennDOT Betterment Project
MacArthur Road (State Route 145) Betterment Project - Improvements from Fairmont Street to Center Street	City of Allentown	L			\$12,076,002		PennDOT Betterment Project
MacArthur Road (State Route 145) Betterment Project - Improvements from Center Street to Clearview Road	Whitehall Township	L			\$17,141,782		PennDOT Betterment Project
US Route 22 Betterment Project - Improvements from 25th Street to New Jersey state line	City of Easton	N			\$26,116,912		PennDOT Betterment Project
State Route 100 Betterment Project - Creamery Road to Route 100/222 Split	Lower Macungie Township	L			\$8,916,950		PennDOT Betterment Project
State Route 100 Betterment Project - Route 100/222 Split to Tilghman Street	Lower Macungie Township	L				\$10,677,403	PennDOT Betterment Project
State Route 33 North/South Betterment Project - US Route 22 to Tatamy Interchange (State Route 1002)	Bethlehem and Lower Nazareth Townships	N			\$22,002,884		PennDOT Betterment Project
State Route 611 Betterment Project - Browns Drive to Smith Avenue	Williams Township	N			\$10,827,466		PennDOT Betterment Project
State Route 309 Resurface Betterment - From Lehigh/Bucks county line in Coopersburg Borough Center Valley Parkway (State Route 2044) in Upper Saucon Township	Coopersburg Borough, Upper Saucon Township	L				\$14,130,000	PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROAD

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Emmaus Avenue/ Emmaus Avenue/ Broadway (State Route 2002) Resurface Betterment - From State Avenue in Allentown to Lehigh/Northampton county line in Fountain Hill Borough	City of Allentown, Fountain Hill Borough, Salisbury Township	L				\$10,740,000	PennDOT
MacArthur Road (State Route 145) Betterment Project - Improvements from Clearview Road to Cove Road	North Whitehall Township	L				\$11,257,289	PennDOT Betterment Project
Airport Road (State Route 987) Betterment Project - Improvements from US Route 22 to Schoenersville Road	Hanover Township	L				\$7,675,424	PennDOT Betterment Project
State Route 248 Betterment Project - Hollo Road to Race Street (State Route 329)	Lower Nazareth Township	N			\$13,645,605		PennDOT Betterment Project
State Route 100 Betterment Project - Chestnut Street to Creamery Road	Lower Macungie Township	L				\$12,423,953	PennDOT Betterment Project
State Route 100 Betterment Project - Tilghman Street to Kernsville Road	Upper Macungie Township	L				\$13,508,747	PennDOT Betterment Project
State Route 2025 Betterment Project - Bushkill Drive to Main Street	Palmer Township	N				\$14,839,154	PennDOT Betterment Project
State Route 248 Resurfacing - State Route 191 to State Route 33	Lower Nazareth Township	N				\$5,198,748	State Transportation Commission
Race Street (State Route 1004) Betterment Project - Improvements from First Avenue to Airport Road	Hanover and Whitehall Townships, Catasauqua Borough	L				\$11,421,032	PennDOT Betterment Project
Martin Luther King Jr. Drive - Union Street to 24th Street milling, paving, American with Disabilities Act ramps, striping and crosswalks	City of Allentown	L				\$6,140,340	City of Allentown
State Route 222 Betterment Project - Cedar Crest Boulevard to 15th Street	City of Allentown, South Whitehall Township	L				\$11,461,968	PennDOT Betterment Project
State Route 222 Betterment Project - Kutztown Road to Grimm Road	Upper Macungie Township	L				\$19,833,298	PennDOT Betterment Project
State Route 611 Betterment Project - Bushkill Drive to Frost Hollow Road	Forks Township	N				\$5,915,194	PennDOT Betterment Project

LONG-RANGE TRANSPORTATION PLAN | ROAD

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
State Route 309 Betterment Project - Improvements from Interstate 78 to Chapmans Road	South Whitehall Township	L				\$14,961,961	PennDOT Betterment Project
State Route 6100/ Trexlertown Road Betterment Project - Trexlertown Road to State Route 100	Upper Macungie Township	L				\$4,523,384	PennDOT Betterment Project
7th Street (State Route 145) Resurface Betterment - From Washington Street to the Sumner Avenue Bridge in Allentown	City of Allentown	L				\$1,875,000	PennDOT
Hamilton Boulevard (State Route 222) Resurface Betterment - From west of Weilers Road (State Route 3017) to Trexlertown Road (State Route 6100) in Upper Macungie Township	Upper Macungie Township	L				\$1,290,000	PennDOT
Sumner Avenue Betterment Project - Resurfacing and ADA upgrades from American Parkway to 17th Street	City of Allentown	L				\$1,500,000	City of Allentown
Main Street (State Route 512) Betterment Project - Improvements from Main Street to State Route 611	Wind Gap, Pen Argyl and Bangor Boroughs, Plainfield and Washington Townships	N				\$15,637,399	PennDOT Betterment Project
Linden Street (State Route 3015) Betterment Project - Improvements from Elizabeth Avenue to Old Nazareth Pike	City of Bethlehem	N				\$10,520,449	PennDOT Betterment Project
State Route 222/ Hamilton Boulevard Betterment Project - Improvements from State Route 222 to Kressler Road	Lower Macungie and Upper Macungie Townships	L				\$24,049,664	PennDOT Betterment Project
State Route 222 Betterment Project - Grimm Road to Cedar Crest Boulevard	Upper Macungie Township	L				\$29,678,309	PennDOT Betterment Project
State Route 33 Betterment Project - Tatamy to Belfast	Palmer Township	N				\$18,912,247	PennDOT Betterment Project
State Route 33 Betterment Project - Belfast to State Route 512	Plainfield Township	N				\$30,169,536	PennDOT Betterment Project
State Route 987 Betterment Project - Orchard Lane to Race Street (State Route 329)	East Allen Township	N				\$5,116,950	PennDOT Betterment Project

LONG-RANGE TRANSPORTATION PLAN | ROAD

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
State Route 611 Betterment Project - Monroe County Line to Hester Street	Upper Mount Bethel Township	N				\$9,292,381	PennDOT Betterment Project
US Route 22 Highway Resurface/Restoration from 25th Street to Farmersville Road - Highway resurface from 25th Street to Farmersville Road, including William Penn Highway and State Route 33 interchanges	Bethlehem, Palmer Townships	N				\$5,922,500	PennDOT
State Route 100 Resurface Betterment - From Alburdis Road in Lower Macungie Township to Weilers Road in Upper Macungie Township	Lower Macungie Township	L				\$5,055,000	PennDOT
Cedar Crest Boulevard (State Route 1019) Resurface Betterment - From Walbert Avenue (State Route 1006) in South Whitehall Township to Mauch Chunk Road (State Route 1017) in North Whitehall Township	North Whitehall and South Whitehall Townships	L				\$4,515,000	PennDOT
Riverside Drive/Bushkill Street/Pearl Street/Northampton Street (State Route 248) Resurface Betterment - From Spring Garden Street in City of Easton to South 25th Street (State Route 2012) in Palmer Township	City of Easton, Palmer Township	N				\$3,990,000	PennDOT
State Route 1003 Airport Road Resurfacing Betterment Project - Repaving and traffic signal upgrades along the corridor and creating center turn lanes at Union Boulevard and Congress Street	City of Allentown	L				\$4,500,000	City of Allentown
State Route 33 Betterment Project - State Route 512 to Monroe County Line	Wind Gap Borough, Plainfield Township	N				\$15,309,914	PennDOT Betterment Project
State Route 309 Betterment Project - Main Street (State Route 873) to State Route 100	Heidelberg and North Whitehall Townships	L				\$11,768,985	PennDOT Betterment Project
Walnut Street Resurfacing - Mill Street to Barrall Avenue	Bath Borough	N				\$1,822,405	State Transportation Commission

LONG-RANGE TRANSPORTATION PLAN | ROAD

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Chestnut Street/State Avenue/Lehigh Street (State Route 2005) Resurface Betterment - From Cedar Crest Boulevard in Emmaus Borough to Saint John Street in Allentown	City of Allentown, Emmaus Borough	L				\$12,480,000	PennDOT
Schantz Road (State Route 3012) Resurface Betterment - From State Route 222 to Boulder Drive in Upper Macungie Township	Upper Macungie Township	L				\$5,625,000	PennDOT
Hamilton Boulevard (State Route 222) Resurface Betterment - From Interstate 78 in South Whitehall Township to 15th Street in City of Allentown	City of Allentown, South Whitehall and Lower Macungie Townships	L				\$9,300,000	PennDOT
Main Street (State Route 412) Resurface Betterment - Repaving of Main Street through Hellertown Borough to sustain an increase in truck traffic	Hellertown Borough	N				\$4,000,000	Hellertown Borough
State Route 100 Betterment Project - Kernsville Road to State Route 309	Lowhill Township	L				\$28,163,692	PennDOT Betterment Project
State Route 4003 Betterment Project - Improvements from Main Street to Cherryville Road	Lehigh Township	N				\$1,289,471	PennDOT Betterment Project
Main Street (State Route 329) Resurface Betterment - From MacArthur Road (State Route 145) to Lehigh/Northampton county line in Whitehall Township	Whitehall Township	L				\$1,650,000	PennDOT
Trexlerstown Road (State Route 6100) Resurface Betterment - From Spring Creek Road (State Route 3001) in Lower Macungie Township to State Route 222 in Upper Macungie Township	Upper Macungie and Lower Macungie Townships	L				\$2,955,000	PennDOT
Oxford Drive/24th Street (State Route 2007) Resurface Betterment - From Lehigh Street (State Route 2005) in Sailsbury Township to Hamilton Boulevard (State Route 222) in Allentown	City of Allentown, Salisbury Township	L				\$4,005,000	PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROAD

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Cedar Crest Boulevard (State Route 29) Resurface Betterment - From Minesite Road in Lower Macungie Township to Interstate 78 in Salisbury Township	Lower Macungie and Salisbury Townships	L				\$1,545,000	PennDOT
Wyandotte Street (State Route 378) Resurface Betterment - From the county line at Colesville Road in Lower Saucon Township to Brighton Street in Bethlehem	City of Bethlehem, Lower Saucon Township	N				\$4,520,000	PennDOT
State Route 309 Betterment Project - Improvements from State Route 100 to Mountain Road	Heidelberg and Lynn Townships	L				\$12,014,598	PennDOT Betterment Project
19th Street/18th Street/ Mauch Chunk Road (State Route 1017) Resurface Betterment - From Tilghman Street (State Route 1002) in Allentown to Old Post Road (State Route 329) in North Whitehall Township	City of Allentown, North and South Whitehall Townships	L				\$10,515,000	PennDOT
Airport Road/Chestnut St (State Route 987) Resurface Betterment - From county line at Schoenersville Road (State Route 1009) in Hanover Township (Northampton County) to Nor-Bath Boulevard (State Route 329) in East Allen Township and from Northampton Street (State Route 248) in Bath Borough to Community Drive (State Route 946) in Moore Township	Bath and Chapmans Boroughs, East Allen, Hanover and Moore Townships	N				\$9,950,000	PennDOT
21st Street/Nor-Bath Boulevard/Race Street (State Route 329) Resurface Betterment - From county line to West Main Boulevard (State Route 248) in Bath Borough	Bath Borough, Allen and East Allen Township	N				\$10,100,000	PennDOT
13th Street/Bushkill Drive (State Route 2019) Resurface Betterment - From Northampton Street (State Route 248) in Easton City to Uhler Road (State Route 1002) in Tatamy Borough	City of Easton, Tatamy Borough, Forks Township	N				\$7,220,000	PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROAD

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Nazareth Road (State Route 248) Resurface Betterment - From Hollo Road in Lower Nazareth Township to South 25th Street in Palmer Township	Lower Nazareth and Palmer Townships	N				\$5,070,000	PennDOT
Sullivan Trail (State Route 2025) Resurface Betterment - From Kesslersville Road in Forks Township to Main Street in Stockertown Borough	Stockertown Borough, Forks Township	N				\$4,610,000	PennDOT
Gracedale Road (State Route 4002) Resurface Betterment - From Bath Park (State Route 248) to Broad Street (State Route 191) in Nazareth Borough	Nazareth Borough	N				\$2,840,000	PennDOT
Weaversville Road (State Route 3017) Resurface Betterment - From county line to Bullshead Road in East Allen Township	East Allen Township	N				\$3,020,000	PennDOT
Cattell Street/Knox Avenue/Sullivan Trail (State Route 2025) Resurface Betterment - From Bushkill Drive in Easton City to Kesslersville Road in Forks Township	City of Easton, Forks Township	N				\$4,170,000	PennDOT
Belvidere Road (State Route 1004) Resurface Betterment - From South Delaware Drive (State Route 611) to Delaware River at Pennsylvania/New Jersey line in Lower Mount Bethel Township	Lower Mount Bethel Township	N				\$8,400,000	PennDOT
Easton Road/Raubsville Road (State Route 2006) Resurface Betterment - From Cherry Lane Road in Hellertown Borough to Lackawanna Trail (State Route 611) in Williams Township	Hellertown Borough, Lower Saucon and Williams Township	N				\$13,050,000	PennDOT
Santee Road Improvements - Stormwater management upgrades, multimodal transportation safety and traffic calming enhancements along the corridor and associated rights-of-way	Bethlehem Township	N				\$5,000,000	Bethlehem Township

LONG-RANGE TRANSPORTATION PLAN | ROAD

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Freemansburg Avenue and Willow Park Road Intersection Improvements - Project would review the challenges of the current intersection geometry and provide recommended solutions that the Township would work toward implementing with PennDOT	Bethlehem Township	N				\$204,678	Bethlehem Township
Northwood Avenue (State Route 2032) Resurface Betterment - From Bridlepath Road to Bushkill Drive (State Route 2019) in Palmer Township	Palmer Township	N				\$1,680,000	PennDOT
Howertown Road (State Route 3017) Resurface Betterment - From North Bath Boulevard (State Route 329) to Mud Lane in Allen Township	Allen Township	N				\$1,610,000	PennDOT
Mountain Road (State Route 4024) Shoulder Improvements - Rehabilitation of shoulders of road	Heidelberg Township	L				\$3,000,000	Heidelberg Township
Smith Gap Road Improvements - Resurfacing betterment of stone constructed road and safety improvements at the intersection with Skunk Road	Moore Township	N				\$3,000,000	Moore Township
Constitution Road and Farrier Road Embankment - Construction of retaining wall to stabilize roadway and guiderails	Lowhill Township	L				\$125,000	Lowhill Township
Hawk View Road (State Route 4029) Resurface Betterment - Repair and paving	Heidelberg Township	L				\$10,000,000	Heidelberg Township
Jones Road Stormwater Pipe - Rehabilitation/ Replacement of stormwater facilities pipe on Jones Road	Heidelberg Township	L				\$1,400,000	Heidelberg Township
State Route 309 Betterment Project - Chapmans Road to State Route 873/Main Street	North Whitehall and South Whitehall Townships	L				\$12,628,632	PennDOT Betterment Project
ROAD TOTAL			\$582,452.00	\$84,297,936.50	\$177,824,114.55	\$580,774,704.59	

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
ADA Ramps Line Item - Lehigh Valley wide curb cut & ramps on various highways	Various	L/N		\$4,000,000			LVTS
2023 Systemic Safety Improvements - Project to address ranked candidate locations for systemic lane departure safety improvements identified in PennDOT District Safety Plan	Various	L		\$6,000,000			PennDOT
Lehigh Valley Intelligent Transportation Systems (ITS) - Installation or replacement of Closed Circuit Television (CCTV), Dynamic Message Boards and equipment	Various	L/N		\$7,000,000			PennDOT
Variable Speed Limit Technologies - Implement signing to incorporate the ability to adjust speed limits on State Route 22 and Interstate 78 to improve operations and safety during inclement weather or times of congestion	Various	L/N		\$5,000,000			PennDOT
Carbon Reduction Line Item - Develop Climate Action Plan. Purchase, deploy, implement and maintain Environmental Monitoring System. Implementation of Carbon Sequestration Program	Various	L/N	\$5,000,000	\$5,000,000	\$10,000,000		LVTS
2023 Vulnerable Road User Improvements - Project to address ranked candidate locations to improve safety of pedestrians, bicyclists and mobility device users	Various	L/N		\$14,000,000			PennDOT
Lehigh County Congestion Mitigation and Air Quality Line Item - Funding for transportation projects that will improve air quality and reduce traffic congestion within Lehigh County	Various	L	\$8,000,000	\$16,000,000	\$26,000,000		LVTS
Northampton County Congestion Mitigation and Air Quality Line Item - Funding for transportation projects that will improve air quality and reduce traffic congestion within Northampton County	Various	N	\$8,000,000	\$16,000,000	\$26,000,000		LVTS

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Bus Rapid Transit (BRT) Bus Rider Infrastructure Safety Improvements - Infrastructure improvements along BRT routes involving crosswalks and bus rider amenities, queue jumps for traffic signalization and other infrastructure to enhance the BRT	Various	L/N	\$4,000,000	\$8,000,000	\$26,000,000		LVTS
Regional Carbon Reduction Set-aside Line Item - The regional carbon reduction set-aside funds will be allocated later, allowing for the development of a comprehensive strategy next year. This ensures a well-informed and strategic plan, maximizing the impact on reducing carbon emissions. By investing resources in an effective strategy, we promote environmental stewardship and a cleaner, greener future, reflecting a commitment to responsible decision-making and long-term sustainability in addressing climate change in the Lehigh Valley	Various	L/N	\$3,823,000	\$12,752,000	\$30,598,116		LVTS
22 Tomorrow Phase 1 Implementation Line Item - Reserve line item for the implementation Phase 1 of the updated 22 Tomorrow plan in Lehigh and Northampton Counties	Various	L/N		\$27,780,595	\$567,170,299		LVTS
22 Tomorrow Phase 2 Implementation - For the implementation of the updated 22 Tomorrow plan in Lehigh and Northampton Counties Phase 2	Various	L/N				\$1,108,194,445	
Traffic Management Center Upgrades - Remove and upgrade existing equipment to implement individual work stations to provide more capacity and efficiency	City of Allentown	L		\$575,000			PennDOT
Allentown LED Streetlight Conversion - Upgrade all pedestrian lighting infrastructure to high efficiency LED technology across the city	City of Allentown	L		\$10,000,000			City of Allentown

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Allentown Adaptive Traffic Systems Improvements - Installation of adaptative traffic signal technologies at various intersections across the city	City of Allentown	L		\$1,500,000			City of Allentown
Allentown Wayfinding Signage - Implementation of recommendations for signage in the Citywide Wayfinding Plan	City of Allentown	L		\$200,000			City of Allentown
Emmaus Avenue Intersection Upgrades - Eight intersection upgrades	City of Allentown	L		\$6,140,340			City of Allentown
State Route 412 Hellertown Corridor Improvements - Reduce congestion and improve safety along the corridor between Commerce Center Boulevard and Cherry Lane	City of Bethlehem, Hellertown Borough	N		\$9,000,000			PennDOT
South 4th Street/ Pike Avenue (State Route 145) Corridor Improvements - Reduce congestion and improve safety along the corridor between Emmaus Avenue (State Route 2002) in Allentown and Rock Road/ Summit Lawn in Salisbury Township	City of Allentown, Salisbury Township	L		\$5,000,000			PennDOT
American Parkway Pedestrian Improvements - Improvements at 10 intersections on American Parkway, from Union and Third Streets to Airport Road. Project to include new mast arms, signal heads, base-mounted controller cabinet, pedestrian countdown signal indication, Americans with Disabilities Act ramps, GPS emergency pre-emption and transit priority green operation	City of Allentown	L		\$6,140,340			City of Allentown
Albert Street D&L Trail "Share the Road" Corridor - Traffic control and marking enhancements along Albert street near Allentown Canal Park to improve safety	City of Allentown	L		\$100,000			City of Allentown

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Tilghman Street/Union Boulevard (State Route 1002) - Modernization of 27 intersections along the corridor and integration with Allentown's Traffic Management Center	City of Allentown	L		\$14,500,000			City of Allentown
Wyandotte Street (State Route 378) Corridor Improvements - Reduce congestion and improve safety along the corridor between Third Street to and including the "5-points" intersection at Broadway Avenue	City of Bethlehem	N		\$20,000,000			PennDOT
Linden Street Conversion Project - Redesign roadway from one-way travel to two-way travel lanes to enhance multimodal safety and connectivity from Fairview Street to Church Street	City of Bethlehem	N		\$2,023,260			City of Bethlehem
Adaptive Signal Updates - Intersection upgrades from South Albert Street to 31st Street	City of Allentown	L		\$1,883,016	\$12,004,386		City of Allentown
Emmaus Avenue (State Route 2002) Signal Improvements - Upgrades of traffic infrastructure and timing to allow for Automated Traffic Signal Performance Measures improvements along the corridor at approximately six intersections	City of Allentown	L		\$3,500,000			PennDOT
Schoenersville Road (State Route 1009) Corridor Improvements - Reduce congestion and improve safety along the corridor between US Route 22 and Eaton Avenue	City of Bethlehem	N			\$10,000,000		PennDOT
Lehigh Street and Union Street Intersection and Corridor Improvements - Installation of new traffic signal at Lehigh Street and Union Street and conversion of existing one way condition to two-way traffic on Union Street from 7th Street to 8th Street	City of Allentown	L		\$4,500,000			City of Allentown

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Allentown Center Square Project - Upgrades to the intersection of Hamilton Street and 7th Street, including creation of an urban plaza and multimodal transportation enhancements from the Center Square to 7th and Linden Streets	City of Allentown	L			\$4,500,000		City of Allentown
Rectangular Rapid Flashing Beacon Installation & Adaptive Signal Upgrades - North Albert Street to North Wahneta Street and Hanover Avenue and East Linden Street	City of Allentown	L			\$12,357,433		City of Allentown
American Parkway - Intersections at Hamilton Street, Linden Street & Gordon Street - Improvements to include widening intersections, milling, paving, accessible ramps, concrete repair, striping and crosswalks. The Hamilton Street/American Parkway, the Linden Street/American Parkway, and the Gordon Street/American Parkway intersections are proposed to be widened to establish dedicated left turn lanes	City of Allentown	L			\$7,061,391		City of Allentown
Hamilton Street/Hanover Avenue Corridor Study and Construction - Plan for and construct turn lanes, bicycle facilities and resurfacing of the corridor from South Albert Street to Irving Street	City of Allentown	L			\$1,650,000		City of Allentown
Walbert Avenue (State Route 1006) Betterment Project - Corridor improvements and upgrades including Americans with Disabilities Act ramps, sidewalk installation, streetscaping and lighting/signal modernization	South Whitehall Township	L			\$8,000,000		South Whitehall Township
State Route 512 Adaptive Signal Upgrade - Adaptive signal upgrades along State Route 512, from Center Street to Jaendl Boulevard	Hanover Township	N		\$3,028,686			PennDOT
State Route 222 (Jaendl Highway) at Krocks Road Intersection Improvements - Reduce congestion and improve safety	Lower Macungie Township	L			\$11,000,000		PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Cedar Crest Boulevard (State Route 29) Intersection Improvements - Traffic signal upgrades, additional turn lanes to improve safety and reduce congestion between Minesite Road (State Route 2015) in Lower Macungie Township and North Street in Emmaus Borough	Emmaus Borough, Lower Macungie Township	L			\$8,500,000		PennDOT
17th Street Corridor Traffic Signal Modernization - Technology upgrades along the corridor from Hamilton Street to Chew Street	City of Allentown	L			\$550,000		City of Allentown
South Whitehall Township Adaptive Traffic Signal Upgrades - Upgrade all traffic signals to utilize adaptive signal control technology to mitigate congestion on major corridors	South Whitehall Township	L			\$3,300,000		South Whitehall Township
Tilghman Street (State Route 1002) Improvements - Widening of the corridor from State Route 100 to Rupperville Road (State Route 3019), including betterment of traffic management through traffic signal upgrades and pavement markings. Project also involves multimodal accommodations including sidewalks	Upper Macungie Township	L			\$20,000,000		Upper Macungie Township
Nestle Way/Grim Road Corridor and Schantz Road (State Route 3012) Intersection Improvements - Widening of Nestle Way including a culvert to accommodate turning lanes between Adams Road and Oldt Road, intersection improvements at Schantz Road and Grim Road/ Industrial Boulevard to improve freight mobility in the area and improve safety. Project also includes pedestrian and multimodal facilities such as sidewalks	Upper Macungie Township	L			\$11,600,000		Upper Macungie Township

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Old Route 22 & State Route 863 Intersection Widening - Redesign and reconstruction to mitigate congestion, accommodate increased freight movements and improve overall safety and functionality	Weisenberg Township	L			\$4,093,560		Weisenberg Township
Saint John Street Traffic Calming Improvements - Bump outs, medians/curb realignment, and potential lane reductions along State Route 2005, install sidewalks on the west side of the road, add high visibility crosswalks, enhanced street and pedestrian lighting, and a new pedestrian bridge to connect Scott Park to Delaware Canal State Park	City of Easton	N		\$10,397,294	\$2,023,260		City of Easton
Roadway Traffic Calming Improvements - Bump outs, medians/curb realignment, and potential lane reductions along Saint John Street (State Route 2005)	City of Easton	N			\$17,192,952		City of Easton
Jaindl Highway/Hamilton Boulevard/Hamilton Street (State Route 222) Signal Improvements - Upgrades of traffic infrastructure and timing to allow for Automated Traffic Signal Performance Measures improvements along the corridor at approximately 17 intersections	City of Allentown, Lower Macungie, South Whitehall and Upper Macungie Townships	L			\$9,000,000		PennDOT
25th Street Hill (State Route 1012) Improvements - Safety and infrastructure enhancements and reconstruction including drainage upgrades, shoulder widening, flattening of curves, intersection improvements, signage and guiderail upgrades including embankment removal	West Eason and Wilson Boroughs, Palmer Township,	N			\$7,500,000		Palmer Township
Jaindl Highway (State Route 222), Grim Road and Cetronia Road Intersection Improvements - Replace turn lanes with “jug handle” ramps to improve safety and capacity, project also involves multimodal infrastructure including sidewalks	Upper Macungie Township	L			\$26,500,000		Upper Macungie Township

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
State Route 100 and Industrial Boulevard Intersection Improvements - Widening westbound lanes of Industrial Boulevard to State Route 100, project includes installation of sidewalks	Upper Macungie Township	L			\$1,200,000		Upper Macungie Township
Bath Adaptive Traffic Signals - Install Adaptive Signals at Walnut at Northampton, Chestnut at Northampton, Main at Race and Main at Walnut Street. North Walnut Street, from Barrall Avenue to Main Street; Northampton Street	Bath Borough	N		\$1,380,000			PennDOT
Main and Chestnut Street Improvements - Including over 20 intersections in the corridor, street lights, red lights, crosswalk areas and signals, traffic flow, congestion, and different safety issues	Emmaus Borough	L			\$147,864		Emmaus Borough
Advanced Signal Coordination System - Add signal coordination system for four interconnected signals, including increased signal head size with back/glare plates, and three signals along Barrall, Northampton and Main Streets (State Route 512) , as well as two signals along South Walnut and Chestnut Streets (State Route 248)	Bath Borough	N			\$10,000		Bath Borough
Road Auxiliary Turn Lanes - Intersection of Vera Cruz Road (State Route 2023)/Oakhurst Drive (State Route 2038) and Pike Avenue (State Route 145)	Upper Saucon Township	L			\$3,070,170		Upper Saucon Township
Cedar Crest Boulevard (State Route 1019) Safety Improvements - Implement improvements based on Road Safety Audit between Hamilton Boulevard (State Route 222) and Chew Street	City of Allentown, South Whitehall Township	L			\$7,500,000		PennDOT
Downtown Easton Signal Improvements - Upgrades of traffic infrastructure and timing to allow for Automated Traffic Signal Performance Measures improvements along Northampton Street (State Route 248) and 3rd Street at approximately 17 intersections in Easton	City of Easton	N			\$8,000,000		PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Tilghman Street (State Route 1002) Signal Improvements - Upgrades of traffic infrastructure and timing to allow for Automated Traffic Signal Performance Measures improvements along the corridor at approximately 22 intersections	City of Allentown, South Whitehall Township	L			\$11,000,000		PennDOT
3rd Street/Larry Holmes Drive (State Route 611 and State Route 2026) Intersection Improvements - Reduce congestion and improve safety	City of Easton	N			\$5,500,000		PennDOT
19th and Roth Avenue Intersection Improvements - Pedestrian multimodal upgrades at the city gateway near the overpass of US Route 22	City of Allentown	L			\$1,500,000		City of Allentown
Avenue C Reconstruction - Full depth reconstruction of roadway and improvement of associated stormwater drainage concerns	City of Bethlehem	N			\$560,000		City of Bethlehem
State Route 309 Coopersburg - Adaptive signal upgrades along State Route 309	Coopersburg Borough	L				\$3,946,323	PennDOT
Bath Borough Turning Lanes and Signalization - State Route 512 and Mill Street intersection	Bath Borough	N			\$18,830,375		LVTS
Uhler Road/Sullivan Trail Intersection Improvement - Construction of left turn lanes on both the westbound and eastbound approaches of Uhler Road at the intersection of Sullivan Trail	Forks Township	N			\$9,415,188		Forks Township
Borough of Catasauqua Downtown Commercial District Along Lehigh River - Paving overlay, streetscape improvements, and traffic signal improvements	Catasauqua Borough	L				\$1,504,358	Catasauqua Borough

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Americans with Disabilities Act Traffic Signalization - Signalization at four intersections & state highway conversions to one-way traffic patterns on North Walnut Street, from Barrall Avenue to Main Street; Northampton Street, from Walnut Street to Main Street; Main Street, from Northampton Street to Walnut Street	Bath Borough	N			\$15,350,658		Bath Borough
State Route 512 Traffic Control Improvements - Install red-blinking light at State Route 512 and Park Road, reduce speed throughout East Bangor along State Route 512 from 35 mph to 25 mph with appropriate signage, install radar speeds at suggested locations, and install pedestrian ahead signs along State Route 512	East Bangor Borough	N			\$102,339		East Bangor Borough
Blue Mountain Drive/Breadfruit Drive Intersection Improvements - Roadway realignment and/or regrading to achieve the proper slope	Lehigh Township	N			\$6,140,340		Lehigh Township
State Route 512 Slate Belt Corridor Improvements Study and Improvements - Improve safety, reduce congestion and upgrade the corridor to accommodate all vehicle types	Wind Gap and Pen Argyl Borough, Plainfield Township	N			\$15,500,000		PennDOT
Nazareth Road (State Route 248) and Sales Street (State Route 2040) Intersection Improvements - Reduce congestion and improve safety	Palmer Township	N			\$3,000,000		PennDOT
Weaversville Road Curve Improvements - Roadway and intersection improvements to improve safety, functionality and connectivity for all modes of transportation from Colonial Road to South Halbea Street	East Allen and Hanover (LC) Townships	L/N			\$10,000,000		East Allen Township, Hanover Township, Northampton County
15th Avenue Reconstruction - Full depth reconstruction of roadway and improvement of associated stormwater drainage concerns	City of Bethlehem	N				\$460,000	City of Bethlehem

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Rehabilitation of Main Street - State Route 3005 from Washington Street south to the Freemansburg Bridge (over the Lehigh River)	Freemansburg Borough	N			\$2,217,956		Freemansburg Borough
One Way to Two Way Conversion, Signal Retiming/Installations - Center Street from Church Street to Elizabeth Avenue	City of Bethlehem	L			\$13,887,402		City of Bethlehem
Traffic Signal Upgrades - Along Broad Street at Walnut Street, Belvidere Street and Center Street	Nazareth Borough	N			\$1,023,391		Nazareth Borough
Intersection of State Route 248/State Route 145 and Intersection of State Route 248/State Route 873 - Study to identify specific improvements	Lehigh Township	N			\$938,954		Lehigh Township
Intersection of State Route 248/State Route 145 and Intersection of State Route 248/State Route 873 - Project construction based on improvements identified in study phase	Lehigh Township	N				\$9,346,114	Lehigh Township
Chestnut Street (State Route 29) and State Route 100 - Improve safety and alleviate congestion by redesign and reconstruction of the intersection including truck traffic impacts	Upper Milford Township	L				\$20,200,000	Upper Milford
Emmaus Avenue Safety Improvement Project - Modernization of eight intersections along the corridor from 31st Street to South Albert Street, including Americans with Disabilities Act upgrades, transit and emergency service pre-emption technology with integration in to the city's Traffic Management Center. Evaluate the feasibility of a roundabout at Mack Boulevard and Emmaus Avenue	City of Allentown	L				\$2,800,000	City of Allentown
Old Route 22 (State Route 3022) and Kecks Road Intersection Safety Improvements - Redesign and vertical curve improvements on the approaches along State Route 3022	Weisenberg Township	L				\$1,000,000	Weisenberg Township

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Lehigh Street (State Route 2005) at 33rd Street Intersection Improvements - Stormwater control measures and infrastructure upgrades to address flooding concerns	Salisbury Township	L				\$1,200,000	Salisbury Township
Hamilton Boulevard (State Route 222) at Lincoln Avenue - Roundabout and Road Diet	South Whitehall Township	L				\$10,233,899	South Whitehall Township
Valley Plaza Shopping Center & Bethlehem Diner Improvements - Pedestrian crossings, striping/signage, upgrades to the signal, concrete and Americans with Disabilities Act ramps	Hanover Township	L				\$1,048,975	Hanover Township
Signal & Sign Installation - Freemansburg Avenue at 9th Street and 9th Street at Hamilton Street	Bethlehem Township	N				\$562,864	Bethlehem Township
Sullivan Trail/Newlins Road Intersection - Realign approaches and replace existing culverts with an enlarged box culvert	Forks Township	N				\$3,070,169	Forks Township
Auxiliary Turning Lanes and Signalization - Intersection of Vera Cruz Road (State Route 2023) and Lanark Road (State Route 2039)	Upper Saucon Township	L				\$4,093,560	Upper Saucon Township
Willow Park Road (State Route 3007) Safety Improvements - Along the corridor from Freemansburg Avenue (State Route 2018) to Easton Avenue (State Route 2020) including potential turn lanes at the intersection of Freemansburg Avenue and Willow Park Road	Bethlehem Township	N				\$3,500,000	PennDOT
Kings Highway (State Route 100) and Chestnut Street (State Route 29) Intersection - Realignment and associated safety improvements to include a roundabout or signalized intersection	Upper Milford Township	L				\$6,500,000	PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Nazareth Pike (State Route 191) and Hecktown/Hanoverville Road Intersection Improvements - Mitigate congestion and improve safety with traffic signal timing	Lower Nazareth Township	N				\$750,000	Lower Nazareth Township
Grape Street and 3rd Street Intersection Improvements - Traffic signal modernization and improvements including Americans with Disabilities Act upgrades and a potential turning lane to alleviate congestion	Whitehall Township	L				\$2,500,000	Whitehall Township
Mill Road (State Route 2024) and Main Street (State Route 2045) Intersection Improvements - Redesign and reconstruction of the intersection to mitigate congestion and improve safety	Upper Saucon Township	L				\$3,000,000	Upper Saucon Township
Sullivan Trail Signalization - Update signalization along portions of Sullivan Trail, between Old Mill Road and Mecco Road	Forks Township	N				\$204,678	Forks Township
Eberhart Road Jughandle Improvements - Eliminate eastbound movement between State Route 145 and jughandle to allow three westbound lanes and modifications to improve traffic flow	Whitehall Township	L				\$4,298,237	Whitehall Township
Uhler Road/Kessler'sville Road Upgrade - Signalization at the intersection of Uhler Road and Kessler'sville Road	Forks Township	N				\$8,187,120	Forks Township
Blue Mountain Drive (State Route 4001) and State Route 946 - Intersection realignment and traffic signal upgrades. Improvements include right-of-way acquisition, demolition of structures within the clear zone, utility relocation, auxiliary lane and shoulder widening and pedestrian accommodations	Lehigh Township	N				\$10,233,900	Lehigh Township
State Route 873 and Bellview Road (State Route 329) Intersection Improvements - Safety improvements with a potential roundabout	North Whitehall Township	L				\$5,000,000	PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Pen Argyl Road and Delabole Road Intersection - The intersection needs additional signage, which should include solar lights to alert drivers to slow down and watch for cross traffic	Plainfield Township	N				\$6,000,000	Plainfield Township
Iron Bridge Road/Scherersville Road Rehabilitation - Roadway stabilization along streambanks of the adjacent Jordan Creek	South Whitehall Township	L				\$2,200,000	South Whitehall Township
Grim Road and Industrial Boulevard Intersection Improvements - Construction of turning lanes from Grim Road onto Industrial Boulevard to mitigate congestion	Upper Macungie Township	L				\$1,450,000	Upper Macungie Township
Bake Oven Road (State Route 4019) and State Route 309 Intersection Improvements - Sight distance improvements	Heidelberg Township	L				\$4,250,000	Heidelberg Township
Intersection of Bath Pike (State Route 248) and Daniels Road (State Route 946) - Updated traffic study of the State Route 248/State Route 946 intersection	Upper Nazareth Township	N				\$8,187,120	Upper Nazareth Township
State Route 512 Realignment - Straighten Route 512 in downtown. State Route 512 currently requires multiple difficult turns as the roadway traverses Market Street, South Main Street and Bill Scott Boulevard (East Bangor Highway)	Bangor Borough	N				\$295,727	Bangor Borough
Airport Road Northbound ramp from US Route 22 Westbound Ramp to Postal Road/Avenue A - Jughandle for left turns onto Postal Road	Hanover Township	L				\$204,678	Hanover Township
Sullivan Trail (State Route 2025)/Richmond Road (State Route 2021)/Paxinosa Road Intersection Improvements - Advanced warning signs and signaling devices at intersection of Sullivan Trail and Paxinosa Road	Forks Township	N				\$1,023,390	Forks Township

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Sullivan Trail/Church Lane Improvements - Intersection to include full signalization and a turning lane on Sullivan Trail and Church Lane	Forks Township	N				\$2,967,831	Forks Township
State Route 248 and Blue Mountain Drive (State Route 4001) Intersection Improvements - Intersection widening to include turning lanes in all directions and traffic signal upgrades.	Lehigh Township	N				\$7,163,730	Lehigh Township
Bushkill Drive (State Route 2019) Zucksville Road (State Route 2036) Intersection Improvements - Installation of turn lanes and traffic signal upgrades	Forks Township	N				\$4,000,000	Forks Township
Pen Argyl Road and Mill Road Intersection Signage - The intersection needs additional signage, which should include solar lights to alert drivers to slow down and watch for cross traffic	Plainfield Township	N				\$1,000,000	Plainfield Township
Mill Creek Road (State Route 4009) Improvements - Reconstruction/ Rehabilitation of deteriorating edge of road	Lowhill Township	L				\$3,000,000	Lowhill Township
Mountain Road (State Route 4024) and Church Road Intersection Improvements - Realignment of the intersection to increase sight distance and to provide expanded turn radius	Heidelberg Township	L				\$5,000,000	Heidelberg Township
State Route 309 and Memorial Road Intersection Improvements - Install traffic control upgrades at the intersection to improve functionality and safety	Lynn Township	L				\$2,000,000	Citizen (Farmer)
State Route 100 Turning Lane at Hollenbach Road - Construct turning lane from northbound State Route 100 onto Hollenbach Road	Lowhill Township	L				\$1,200,000	Citizen (Farmer)
State Route 100 Turning Lane at Lyon Valley Road - Construct turning lane from northbound State Route 100 onto Lyon Valley Road	Lowhill Township	L				\$1,200,000	Citizen (Farmer)

LONG-RANGE TRANSPORTATION PLAN | ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Fullerton Avenue and Kimmel Avenue Intersection Improvements - Safety and mobility infrastructure improvements including signalization, pedestrian ADA upgrades, and transit enhancements at Fullerton Avenue (State Route 1015) at Kimmel Avenue	Whitehall Township	L					PennDOT / Whitehall Township
Airport Road Corridor Study - Evaluation and identification of infrastructure improvement needed to improve functionality, safety and multimodal mobility along Airport Road from American Parkway and including the interchange of US Route 22, the intersection of Schoenersville Road to the intersection of State Route 248	City of Allentown, City of Bethlehem (LC), Hanover Township (LC), Hanover Township (NC), East Allen Township	L/N		\$6,000,000			LVTS
Airport Road Corridor Phase 1 Infrastructure Implementation Line Item - Phase 1 Funding for implementation of recommendations of infrastructure improvements identified as a result of the Airport Road Corridor Study of Airport Road from American Parkway to State Route 248	City of Allentown, City of Bethlehem (LC), Hanover Township (LC), Hanover Township (NC), East Allen Township	L/N			\$49,934,647		LVTS
Airport Road Corridor Phase 2 Infrastructure Implementation Line Item - Phase 2 - Funding for implementation of recommendations of infrastructure improvements identified as a result of the Airport Road Corridor Study of Airport Road from American Parkway to State Route 248	City of Allentown, City of Bethlehem (LC), Hanover Township (LC), Hanover Township (NC), East Allen Township	L/N				\$9,336,990	LVTS
ROAD RECONSTRUCTION, MODERNIZATION AND AUTOMATION TOTAL			\$28,823,000	\$227,400,531	\$1,047,430,680	\$1,272,314,108	

LONG-RANGE TRANSPORTATION PLAN | ROADWAY EXPANSION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Freight Impacts Line Item - Reserve line item for freight impacts on the transportation system for projects in Lehigh and Northampton Counties	Various	L/N		\$1,906,816			LVTS
Interstate 78 from Lehigh Street (State Route 2005) to State Route 309 South Interchange - Highway preservation/restoration including pavement overlay and patching of existing mainline and shoulders, rehabilitation/replacement of drainage system including access ramps	City of Allentown, Salisbury and Upper Saucon Townships	L/N	\$21,191,143				PennDOT
Interstate 78 Corridor Safety Improvements from Emmaus Avenue (State Route 2002) to just east of State Route 309 Interchange for Center Valley - Improvements include conversion of shoulders into a dual use lane on I-78 eastbound from the Emmaus Avenue (State Route 2002) Interchange to the State Route 309 south split. The median barrier will be updated to add glare screens, and the drainage system will be rehabilitated and/or replaced. Two ramps at the State Route 309 interchange will also be reconstructed	City of Allentown, Salisbury and Upper Saucon Townships	L	\$24,625,000				PennDOT
Interstate 78 from State Route 309 Interchange ramps for Center Valley / Allentown Interchange to Saucon Viaduct Structure at State Route 412 Interchange - Highway preservation overlay of existing mainline and shoulders	City of Bethlehem, Lower Saucon Township	N	\$15,558,499				PennDOT
Interstate 78 from Saucon Viaduct Bridges west of State Route 412 Interchange to Easton Road (State Route 2006) Bridge - Highway preservation overlay of existing mainline and shoulders	City of Bethlehem, Lower Saucon Township	N	\$10,756,500				PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROADWAY EXPANSION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
US Route 22 Widening - Lehigh River to Airport Road- Highway widening to six lanes from 15th Street to Airport Road. This is a breakout project from the overall SR 22 Widening project (MPMS 96384) per 2/15/2023 meeting - PE completed under MPMS 96384 (New PennDOT MPMS 119690)	Hanover, South Whitehall and Whitehall Townships	L		\$34,212,500			PennDOT
State Route 33 and Interstate 78 Interchange Reconstruction - Reconfigure and reconstruct the interchange and approaches to improve safety and the operational functionality	Lower Saucon Township	N		\$45,000,000			PennDOT
Interstate 78 from Berks County/Lehigh County line to just east of State Route 100 - Highway reconstruction to add truck climbing lanes and State Route 100 interchange ramp reconfiguration	Upper Macungie and Weisenberg Townships	L	\$354,259,257				PennDOT
US Route 22 Widening - Mauch Chunk Road & Route 145 DDI	Hanover, South Whitehall and Whitehall Townships	L			\$138,000,000		PennDOT
Interstate 78 Saucon Valley Viaduct Bridges West of State Route 412 over College Drive, Silvex Road and Saucon Creek - Rehabilitation and preventative maintenance including paint and miscellaneous substructure and drainage repairs	City of Bethlehem	N	\$61,631,000				PennDOT
Interstate 78 Various Bridges in Glendon Borough, Lower Saucon Township and Williams Township - Bridge rehabilitation, replacement and preservation activities	Glendon Borough, Lower Saucon and Williams Townships	N	\$27,000,000				PennDOT
Interstate 78 from State Route 33 Interchange to Pennsylvania/New Jersey State Line - Highway preservation pavement overlay of existing mainline and shoulders and resurfacing of associated ramps	Lower Saucon and Williams Townships	N	\$12,271,500				PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROADWAY EXPANSION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Jaindl Highway (State Route 222) Safety Improvements - Redesign and construction for safety and traffic management improvements in the “weave area” between the Pennsylvania Turnpike Northeast Extension bridge and Interstate 78 interchange including Hamilton Boulevard (State Route 222), Kessler Road and Cedarbrook Road (State Route 2011)	Lower Macungie Township	L			\$4,500,000		Lower Macungie Township
William Penn Highway (State Route 2020) and State Route 33 Interchange - Reconstruction and redesign of the existing interchange and associated ramps into a diverging diamond interchange	Bethlehem Township	N			\$15,000,000		Bethlehem Township
Jefferson Street Road Diet/Roundabout - Construction of a roundabout at the intersection of Jefferson Street and Park Drive, Lehigh Parkway East, Lehigh Parkway South and Tioga Street. Lane narrowing and multimodal pedestrian improvements along the corridor	City of Allentown	L			\$5,000,000		City of Allentown
State Route 309 Northbound Realignment - Relocated North bound traffic to South bound traffic side between State Route 378 and Lanark Road (Route 2039) to improve traffic congestion, safety and the quality of life of residents along the current northbound side of State Route 309	Upper Saucon Township	L			\$15,000,000		Upper Saucon Township
US Route 22/13th Street Interchange - US Route 22/13th Street Interchange	City of Easton	N			\$13,050,698		State Transportation Commission
Interstate 78 Bridge over Fish Hatchery Road (State Route 2010) and the Little Lehigh River/Lehigh Parkway - Rehabilitation of the bridge “Parkway Arches” support structures	City of Allentown, Salisbury Township	L	\$46,890,000				PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROADWAY EXPANSION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Hamilton Boulevard (State Route 222), Breinigsville Road/ Newtown Road Roundabout - Construction of a roundabout to accommodate safer vehicle movements at the current off angle intersection. Project limits between Schaefer Run Road and the ramps to State Route 100/State Route 222 interchange	Upper Macungie Township	L			\$10,150,000	\$50,000	Upper Macungie Township
Susquehanna Street/ Seidersville Road (State Route 2004), Emmaus Avenue/Broadway (State Route 2002) Roundabout - Construction of a roundabout to address safety and congestion concerns at the existing intersection	Salisbury Township	L			\$6,000,000		Salisbury Township
Mauch Chunk Road/ Elizabeth Avenue Roundabout - Configuration of a roundabout	City of Bethlehem	N			\$1,228,068		City of Bethlehem
Interstate 78 from Lehigh Street (State Route 2005) to State Route 309 northbound exit - Highway preservation overlay of existing mainline and shoulders	Salisbury, South Whitehall, Lower Macungie Townships	L	\$12,850,000				PennDOT
Interstate 78 Bridge Rehabilitation, Replacement and Presentative Maintenance at various locations - Rehabilitation of PennDOT Bridges identified by the following bridge key numbers 23005, 28523, 28526, 28540; Replacement of Bridge identified by PennDOT key number 28545 (over State Route 2014 "Redington Road") and preventative maintenance at PennDOT bridges Identified by the following bridge key numbers 23009, 23011, 23016, 23017, 23020, 23021, 23023, 28522, 28525, 28528, 28530, 28532, 41043, 41283, 41127, 28547, 28549, 28551 and 28552	City of Bethlehem, Glendon Borough, Upper Macungie, Lower Saucon and Williams Townships	L/N	\$26,992,000				PennDOT

LONG-RANGE TRANSPORTATION PLAN | ROADWAY EXPANSION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Interstate 78 Various Bridges in Upper Macungie Township - Bridge rehabilitation, replacement and preservation activities	Upper Macungie Township	L	\$26,000,000				PennDOT
College Heights Boulevard Traffic Calming Phase 1 - Design and construction for one of two roundabouts along College Heights Boulevard at Allen Street and Liberty Street	City of Allentown	L			\$2,125,070		City of Allentown
College Heights Boulevard Traffic Calming Phase 2 - Design and construction of one of two roundabouts along College Heights Boulevard at Allen Street and Liberty Street	City of Allentown	L				\$1,874,930	City of Allentown
Riverside Drive Extension - Construction of a complete street extension of the in progress Riverside Drive project starting in Allentown. This project would continue the complete street from Wood Avenue to Lehigh Street in the Township	City of Allentown, Whitehall Township	L				\$8,187,120	PennDOT and LVPC
Hamilton Boulevard (State Route 222) and Lower Macungie Road (State Route 2012) Roundabout	Upper Macungie Township	L				\$204,677,994	Upper Macungie Township
Lehigh Drive (State Route 248) and Mountain View Drive (State Route 946) Intersection - Safety improvements including a potential roundabout	Lehigh Township	N			\$8,000,000		PennDOT
Roth Avenue Roundabouts - Creation of roundabouts at the intersections of Roth Avenue at 12th Street and 13th Street	City of Allentown	L				\$10,000,000	City of Allentown
State Route 873 - State Route 329 - State Route 4014 Roundabout - Construction of roundabout at four-legged offset intersection of Route 873, Bellview Drive (Route 329) and Neffs-Laurys Road (Route 4014) to improve safety and mobility through the intersection	North Whitehall Township	L				\$6,140,340	North Whitehall Township

LONG-RANGE TRANSPORTATION PLAN | ROADWAY EXPANSION

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Walbert Avenue (State Route 1006)/Huckleberry Road/Columbia Street Intersection Improvements - Realign intersections.	South Whitehall Township	L				\$6,140,340	South Whitehall Township
Interstate 78 Bridge Substructure Condition Study - Study of bridge over Easton Road (State Route 2006)	Lower Saucon Township	N	\$13,086,678				PennDOT
Interstate 78 over Easton Road (State Route 2006) to Route 33 Interchange - Highway preservation/restoration of concrete slab roadway	Lower Saucon Township	N	\$21,355,665				PennDOT
Interstate 78/State Route 222 Interchange Upgrades - Improvements including lane reconfigurations, revised signalization and ramp modifications	Lower Macungie Township	L				\$61,403,399	Lower Macungie Township
State Routes 946 and 248 Intersection Improvements - Redesign and betterment to mitigate congestion and improve safety	Upper Nazareth Townships	N			\$5,000,000		Upper Nazareth Township
ROADWAY EXPANSION TOTAL			\$674,467,242	\$81,119,316	\$223,053,835.59	\$298,474,123	

LONG-RANGE TRANSPORTATION PLAN | MULTIMODAL

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Transportation Alternative Set-Aside Line Item	Various	L/N	\$6,514,000	\$10,360,000	\$23,692,907		LVPC
North and South New Street and Fahy Bridge - Improve bicycle and pedestrian access by installing separated bike lanes and a shared use path from Washington Avenue to South Bethlehem Greenway. Investigate modifications to the Fahy Bridge or construction of a separate bicycle/pedestrian bridge across the Lehigh River	City of Bethlehem	N			\$1,408,287		PennDOT
Hanover Avenue and Hamilton Street Bridge Pedestrian - Improving bicycle and pedestrian accessibility via separated bike lanes, multi-use paths and traffic-calming from North 6th Street to Union Boulevard	City of Allentown	L			\$2,944,600		PennDOT
MacArthur Road/7th Street - Traffic-calming and pedestrian infrastructure improvements such as crosswalk installation and filling in sidewalk gaps from Union Street to Schadt Avenue	Whitehall Township	L			\$2,654,407		PennDOT Betterment Project
South Whitehall Pedestrian Crossing Enhancements - Upgrades to pedestrian facilities across the Township, including Americans with Disabilities Act modernization, traffic control warning devices and lighting	South Whitehall Township	L		\$1,118,000			PennDOT Betterment Project
Hamilton Street - Create separated bicycle lanes, improve trail crossing at Yocco Drive intersection, and lane restriping from 6th to 26th Street	Allentown City	L			\$1,971,601		PennDOT Betterment Project
South Eighth Street/ Mack Boulevard/ Emmaus Avenue/ Main Street - Install and restripe bicycle lanes from Hamilton Street to Emmaus Triangle	Emmaus Borough, City of Allentown	L			\$4,387,027		PennDOT Betterment Project

LONG-RANGE TRANSPORTATION PLAN | MULTIMODAL

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Hamilton Street Bridge Trail Connection - Study, design and construction to connect the Lehigh Landing area on the western side of the Lehigh River to the D&L Trail on the eastern side utilizing the Hamilton Street Bridge (PennDOT bridge Key ID 23510)	City of Allentown	L		\$2,000,000			PennDOT
MacArthur Road Multimodal Access - Conduct study and implement alternative mobility options on State Route 145 (MacArthur Road) from Tilghman Street to Mechanicsville Road	Whitehall Township, City of Allentown	L			\$22,514,579		City of Allentown
Community Bike Works Bike Education Programs - Full range of bicycle education programs out of Allentown, East Allentown and Easton West Ward bike hubs, including in school programs in Allentown, Bethlehem and Easton	Various	L/N		\$1,200,000			PennDOT
Union Street Portal Parks - Multimodal enhancements and gateways to various trail networks within the city	City of Allentown	L		\$300,000			PennDOT
Lehigh Landings - Construction of a trailhead and trails to connect the Riverfront Development, D&L Trail, Jordan Creek Greenway and MLK Trail networks	City of Allentown	L		\$600,000			PennDOT
Liberty Street - Streetscape improvements and implementing traffic-calming strategies such as speed humps, pavement markings and mini traffic circles, from Cedar Crest Boulevard to Jordan Creek	City of Allentown	L			\$2,901,925		PennDOT
Broad Street Multimodal Project - Construct improvements along Broad Street, from Hanover Avenue to Stefko Boulevard, as recommended in the Broad Street Active Transportation Plan of 2021	City of Bethlehem	N			\$2,722,688		PennDOT Betterment Project

LONG-RANGE TRANSPORTATION PLAN | MULTIMODAL

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Northampton Street - Redesign intersections to calm traffic and provide better fields of vision for both drivers and non-motorists, and create separated bike lanes from Greenwood Avenue to Larry Holmes Drive	City of Easton	N			\$2,603,198		PennDOT Betterment Project
Traffic-Calming and Pedestrian Accommodation Improvements - Install traffic-calming and pedestrian improvement measures along Northampton Street from 7th Street to 15th Street, and along 13th Street, from Butler Street to Jackson Street	City of Easton	N			\$16,374,239		PennDOT Betterment Project
State Route 512 - Improve multimodal access by creating shared-use paths, bicycle lanes, shoulder improvements, and reconfiguring trailhead access from Buss Street to Main Street	Bangor, Pen Argyl Boroughs, Plainfield, Washington Townships	N			\$4,267,536		PennDOT Betterment Project
Gordon Street Pedestrian and Bicycle Improvements - Create multimodal connections to Jordan Creek Greenway, Jordan meadows and Bucky Boyle Park	City of Allentown	L		\$1,100,000			PennDOT Betterment Project
Auburn Cross Trails - Create trails, as stated in the Auburn Cross Trails Master Plan by the City of Allentown	City of Allentown	L		\$5,500,000			PennDOT Betterment Project
Educational Programming - Education programs and public events in schools, community centers and public spaces.	City of Allentown, City of Bethlehem, City of Easton, Nazareth Borough, Palmer, Forks, Lower Mount Bethel Township, Lower Nazareth, Upper Nazareth and Lower Macungie Township	L/N			\$153,509		PennDOT Betterment Project
Educational Programming - Education programs and public events in schools, community centers and public spaces	City of Allentown, City of Bethlehem, City of Easton, Nazareth Borough, Palmer, Forks, Lower Mount Bethel Township, Lower Nazareth, Upper Nazareth and Lower Macungie Townships	L/N			\$130,892		PennDOT Betterment Project

LONG-RANGE TRANSPORTATION PLAN | MULTIMODAL

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Educational Programming - Education programs and public events in schools, community centers and public spaces.	Various	L/N			\$51,169		PennDOT
William Penn Highway/ Easton Avenue - Install one-way separated bike lanes, landscaped medians, traffic-calming measures and Americans with Disabilities Act compliant crosswalks	Bethlehem Township	N			\$4,310,212		PennDOT
West Broad Street Between Main Street and 13th Avenue - Improvements including bump outs, medians, angled parking, etc. to increase pedestrian safety and slow traffic on Broad Street	City of Bethlehem	N			\$1,023,390		PennDOT Betterment Project
Main Street (State Route 412) and Polk Valley Road (State Route 2002) Improvements - Construction of new sidewalk to connect to the Saucon Rail Trail and installation of a new traffic signal	Hellertown Borough	N		\$500,000			PennDOT Betterment Project
Martin Luther King, Jr. Drive Pedestrian Improvements - Improve multimodal transportation infrastructure along the corridor including Americans with Disabilities Act ramps, traffic control devices and crosswalks	City of Allentown	L		\$300,000			PennDOT Betterment Project
West Ward/Karl Stirner Arts Trail Connection - Streetscape enhancements along 12th Street, Chidsey Street and 13th Street, to include street trees, curb extensions, lighting, shared lane markings, speed humps and pedestrian refuge islands	City of Easton	N			\$623,060		PennDOT Betterment Project
Fountain Hill Borough Pedestrian Improvements - Rehabilitation of deteriorating curbs and sidewalks along Broadway (State Route 2002)	Fountain Hill Borough	L		\$1,300,000			PennDOT Betterment Project

LONG-RANGE TRANSPORTATION PLAN | MULTIMODAL

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Martin Luther King (MLK) Jr. Trail Extension - Construct the next phase of the MLK trail network to connect from the corridor to Cedar Creek Parkway trail network	City of Allentown	L		\$500,000			PennDOT Betterment Project
Dauphin Street (State Route 1007) Sidewalks - Install pedestrian infrastructure from Tilghman Street (State Route 1002) to Bradford Street	City of Allentown	L		\$400,000			State Transportation Commission
Delaware and Lehigh Trail Gap Closure - Extend trail along west side of Lehigh River in Whitehall Township, adjacent to the Riverside Drive Extension complete street project, from Wood Street to Lehigh Avenue, and continuing north to State Route 329	Whitehall Township, Coplay Borough	L			\$5,219,289		PennDOT Betterment Project
Let's Connect Easton - Complete trail connecting Hackett Park with Karl Stirner Arts Trail	City of Easton	N			\$725,481		City of Allentown
South Bethlehem Greenway Trail Extension - Acquire and construct trail along .9-mile of Norfolk Southern rail line	City of Bethlehem, Hellertown Borough	N			\$7,163,730		PennDOT Betterment Project
State Route 512 at Weona Park Pedestrian Improvements - Construction of a pedestrian bridge or other infrastructure to improve safety for visitors to Weona park on both sides of State Route 512	Pen Argyl Borough	N		\$2,000,000			PennDOT Betterment Project
Mickley Road Pedestrian Path - East of MacArthur Road, from south of the US Route 22 overpass to the north, create a pedestrian path adjacent from Mickley Road from the Olympic Garden sidewalk south of Olympic Drive north to the Hunsicker Historical Building and an interconnection to the Jordan Creek Trail	Whitehall Township	L			\$3,121,339		PennDOT Betterment Project

LONG-RANGE TRANSPORTATION PLAN | MULTIMODAL

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Hamilton Boulevard Corridor - Install traffic-calming, landscaped medians, street trees, shared-use paths, shared-lane markings and improved lighting from Lower Macungie Road to Dorney Park	Lower Macungie Township	L			\$3,217,722		PennDOT Betterment Project
Tatamy Trail Completion - Construct a missing trail link north of Main Street bridge, running along Bushkill Creek, connecting to Stockertown trail	Tatamy Borough	N			\$2,046,780		PennDOT Betterment Project
Butler Street (State Route 2020) Streetscape Improvements - Improve streetscapes along South 25th Street (State Route 2012) and South 15th Street	Wilson Borough	N			\$3,643,268		PennDOT
Airport Center Road & Airport Road - Add traffic-calming and pedestrian crossing upgrades along Airport Road at Airport Center Shopping Center area	Hanover Township	L			\$511,695		PennDOT
Tatamy Farms to Braden Park Trail Connection - Create Tatamy Trail extension from Tatamy Farms development to Main Street to trailhead at Braden Park	Tatamy Borough	N		\$309,000			City of Allentown
State Route 512 Slate Belt Multimodal Facilities - Perform improvements including multi-use trail and bicycle facilities from Buss Street to Main Street along the corridor	Bangor, Pen Argyl and Portland Boroughs, Plainfield, Lower Mount Bethel, Upper Mount Bethel and Washington Townships	N		\$3,710,901			PennDOT Betterment Project
West Easton Trestle Bridges Removal - Removal of closed Iron Street (State Route 2026) and Spring Street trestles. Pedestrian facilities are to be constructed at the current trestle support structures adjacent to cartway of the road	West Easton Borough	N		\$342,720			PennDOT Betterment Project

LONG-RANGE TRANSPORTATION PLAN | MULTIMODAL

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
State Route 309 Pedestrian Bridge - Construction of an alternative mode of transportation multimodal bridge over State Route 309 to connect residents to recreational amenities and trails on both sides of the highway	Upper Saucon Township	L		\$4,000,000			PennDOT Betterment Project
The West Bethlehem Rail Trail - Create trail connection between Cities of Allentown and Bethlehem on the 2.6-mile unused Norfolk Southern rail lines	City of Bethlehem	L			\$8,187,120		PennDOT Betterment Project
West Easton Trail Construction - Complete a walking path in Wilson Borough	West Easton	N			\$2,046,780		PennDOT Betterment Project
Cement & Limestone Quarry Trail - Complete trail at State Route 329 to LaFarge quarry property and along Hokendauqua Creek to NorBath Trail	Northampton Borough	N			\$30,702		PennDOT Betterment Project
Wilson Borough Roadway and Pedestrian Accessibility Improvements - Phase 1 - Reconstruction or rehabilitation of 20th Street from Butler Street to Northampton Street, and Fairview Avenue from South 22nd Street to South 20th Street. Project includes 21 Americans with Disabilities Act curb ramp upgrades	Wilson Borough	N		\$719,485			PennDOT Betterment Project
Wilson Borough Roadway and Pedestrian Accessibility Improvements - Phase 2 - Reconstruction or rehabilitation of 21st Street from Butler Street to Lehigh Street, and Lehigh Street from South 22nd Street to South 20th Street. Project includes nine Americans with Disabilities Act curb ramp upgrades	Wilson Borough	N		\$431,857			PennDOT Betterment Project
State Route 145 and State Route 248 Pedestrian and Stormwater Improvements - Construct new sidewalk and improve stormwater management	Lehigh Township	N		\$500,000			PennDOT

LONG-RANGE TRANSPORTATION PLAN | MULTIMODAL

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Jordan Creek Greenway Trail Construction (Segments 35-40) - Continue construction of the Jordan Greenway from Lapp Road to Cedar Crest Boulevard (State Route 1019)	South Whitehall Township	L		\$1,300,000			PennDOT
Sidewalk/Ramp Reconstruction - Rehabilitation of sidewalk ramps along Hay Terrace, South 21st Street, Butler Street and South 24th Street	Wilson Borough	N			\$236,403		PennDOT
Wilson Borough Americans with Disabilities Act (ADA) Compliant Sidewalk Ramps - Install 55 ADA ramps, including 30 ramps along Washington Street, 21 ramps along Lehigh Street, and four ramps along 3rd Street	Wilson Borough	N			\$903,142		PennDOT
Sullivan Trail Lighting Enhancements - Install lighting along Sullivan Trail	Forks Township	N			\$1,228,068		City of Allentown
Accessible Pathways - Connect Windermere Park, Oakwind Park and the Breierwood communities to the Lone Lane Park	Upper Macungie Township	L			\$219,712		PennDOT Betterment Project
Trail Connection to Stone Hills - Create trail and sidewalk connections from trail to Stone Hill Meadows development	Macungie Borough	L			\$40,936		PennDOT Betterment Project
Sullivan Trail Streetscape Improvements - Improvement streetscapes from Old Mill Road to Meco Road	Forks Township	N			\$1,087,409		State Transportation Commission
Bus Shelters Along Sullivan Trail - Add bus shelters along Sullivan Trail	Forks Township	N			\$225,499		PennDOT
Wilson Borough Roadway and Pedestrian Accessibility Improvements Phase 3 - Reconstruction or rehabilitation of 38 Americans with Disabilities Act curb ramps along South 23rd Street and South 24th Street	Wilson Borough	N		\$874,000			PennDOT
Crossing Safety Upgrade - Enhance the crossing of the Forks Township Trail at Wagon Wheel Drive and Old Mill Road	Forks Township	N			\$392,981		PennDOT

LONG-RANGE TRANSPORTATION PLAN | MULTIMODAL

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Crossing Safety Upgrade - Enhance the crossing of the Forks Township Trail over Mitman Road	Forks Township	N			\$392,981		Hellertown Borough
Catasauqua Area Trail & Transit Initiative - Transit initiatives for Boroughs of Catasauqua and North Catasauqua and Allen Township	Catasauqua and North Catasauqua Boroughs, Allen Township	L/N			\$7,266,069		PennDOT Betterment Project
Pedestrian Connection in Forks Township - Create pedestrian connection from Penn's Grant Path to the Forks Township Trail	Forks Township	N			\$363,303		PennDOT Betterment Project
Crossing Safety Upgrade - Enhance the crossing of the Forks Township Trail over Wagon Wheel Drive	Forks Township	N			\$392,981		PennDOT
MULTIMODAL TOTAL			\$6,514,000	\$39,365,962	\$143,398,615	\$0	

LONG-RANGE TRANSPORTATION PLAN | PLANNING & RESEARCH

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Lehigh Valley Freight Study - Perform regional freight study	Various	L/N			\$409,356		LVTS
Study Line Item - Reserve for Lehigh Valley project studies	Various	L/N	\$500,000				LVTS
Citywide Study/Plan - Develop a long-term plan for the installation of safe and efficient bicycle infrastructure in the City of Bethlehem	City of Bethlehem	L/N			\$409,356		City of Bethlehem
Forks Township Active Transportation Plan - Study the active transportation system, including pedestrian pathways, bicycle pathways and multimodal crossings	Forks Township	N			\$135,077		Forks Township
New England Avenue Feasibility Study - Analyze the feasibility of converting the former New England Railroad rail line into a roadway	City of Allentown	L		\$150,000			City of Allentown
South 25th Street Multimodal Corridor Study - Plan for three phases of future multimodal transportation improvement recommendations and designs along the corridor from Park Avenue to the Lehigh River	Palmer Township	N		\$160,001			Palmer Township
Jordan Creek to Lehigh River Feasibility Study - Conduct feasibility study to determine a safe, navigable, bicycle and pedestrian connection, from Sumner Avenue/ American Parkway and ending at Riverside Drive in the Waterfront	City of Allentown	L			\$92,105		Wildlands Conservancy
Allentown Electric Vehicle Charging Station Plan - Study Electric Vehicle charging station and infrastructure opportunities across the City	City of Allentown	L		\$50,000			City of Allentown
State Route 329 Corridor Study & Plan - Identify safety issues and impacts of congestion along State Route 329	Various	L/N			\$614,034		Northampton Borough

LONG-RANGE TRANSPORTATION PLAN | PLANNING & RESEARCH

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Micromobility Study for the Lehigh Valley - Analyze the state of micromobility in the region, identify potential areas for improvement, and develop strategies for promoting micromobility options in the Lehigh Valley	Various	L/N		\$155,000			LVTS
Route 1002 (Union Boulevard) Betterment Corridor Study - Develop recommendations for multimodal improvements and streetscape enhancements along the corridor	City of Allentown	L		\$700,000			City of Allentown
Hanover Avenue Corridor Study - Identify multimodal improvements along the corridor from Hamilton Street Bridge over Lehigh River to Club Avenue	City of Allentown	L		\$50,000			City of Allentown
22 Tomorrow Update and Implementation Plan - Revise US Route 22 needs assessment, goals and projects to develop funding, prioritization and implementation strategy	Various	L/N		\$1,000,000			LVTS
State Route 191/Linden Street Corridor Study - Perform improvements along State Route 191 from City of Bethlehem to Lower Nazareth Township	Bethlehem and Lower Nazareth Townships	N			\$409,356		Bethlehem Township
Fiber Deployment Study - Create a fiber backbone plan from PennDOT District office's to various traffic management infrastructure including traffic signals, Intelligent Transportation System (ITS) devices and for future vehicle communication needs	Various	L/N		\$500,000	\$4,500,000		PennDOT
Multimodal Improvements Study of State Route 512 and State Route 611 Corridors - Perform study for improvements on roadway, intersection, bridge, trails, bicycle and pedestrian facilities and transit facilities in the Slate Belt	Various	N		\$500,000			Community Action Committee of the Lehigh Valley (CACLV) and Slate Belt Rising (CACLV Program)

LONG-RANGE TRANSPORTATION PLAN | PLANNING & RESEARCH

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Easton Avenue Corridor Study - Perform study to determine improvements along Easton Avenue, from Butztown Road to 5th Street, including the Butztown Road, Willow Park Road, Santee Road and Hecktown Road/5th Street intersections. Coordinate with the realignment of Hecktown Road with 5th Street	Bethlehem Township	N			\$409,356		Bethlehem Township
Uhler Road Corridor Study - Engineering analysis of Uhler Road and its corridor within Forks Township, from Bushkill Creek to Richmond Road	Forks Township	N			\$614,034		Forks Township
New England Avenue Multimodal Study - Conduct an analysis to determine the feasibility of converting the former New England Railroad rail line into a pedestrian and bicycle connection	City of Allentown	L			\$307,017		City of Allentown
State Route 22, State Route 248 and 25th Street - Conduct a state Route 22 interchange study for State Route 248	Palmer Township	N		\$257,600			Northampton County
Integration of Transportation in the Economic Revitalization Analysis - Study immediate needs to sustain existing businesses, traffic and non-motorized infrastructure	Slatington Borough	L			\$94,151		Slatington Borough
Sullivan Trail Corridor Study Update - Update corridor study for engineering and planning of the hazards, traffic counts and modeling for each intersection, including community surveys and cost estimates of safe pedestrian crossings and signalization	Forks Township	N			\$409,356		Forks Township

LONG-RANGE TRANSPORTATION PLAN | PLANNING & RESEARCH

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Walbert Avenue Corridor Study - Conduct corridor study along Route 1006 (Walbert Avenue) between Cedar Crest Boulevard and the City of Allentown	South Whitehall Township	L			\$307,017		South Whitehall Township
State Route 329 Corridor Study - Conduct study along State Route 329 corridor to improve traffic flow and to promote pedestrian and bicycle movement	Whitehall Township	L			\$409,356		Whitehall Township
Stockertown and Tatamy Boroughs Corridor Studies - Conduct study to improve traffic flow safety along State Route 191 (Main Street), State Route 2025 (Sullivan Trail) and State Route 1002 (Main Street/Uhler Road)	Stockertown and Tatamy Boroughs	N		\$600,000			PennDOT
Weaversville Curve (Phase 1) - Conduct study of State Route 1009 (Weaversville Road) curve to determine alternatives for realigning the road	East Allen and Hanover Townships	L/N	\$177,675				PennDOT
Tatamy Borough Intersection Study - Develop a plan for 8th Street and Main Street improvements to alleviate congestion and calm traffic	Tatamy Borough	N		\$125,000			Tatamy Borough
State Route 2018 (Freemansburg Avenue) and State Route 3007 (Willow Park Road) Intersection Study - Conduct study along State Route 2018 and State Route 3007 to improve safety and traffic flow	Bethlehem Township	N		\$1,250,000			Bethlehem Township
State Route 309 and Ridgeview Drive Intersection Redesign Study - Conduct study to redesign the intersection, including Hausman Road and Bulldog Drive	South Whitehall Township	L		\$250,000			South Whitehall Township
One Way Pair Modification Feasibility Study - Conduct study to modify one-way roadway between Bridge Street and Lehigh Avenue/Main Street	Whitehall Township	L			\$409,356		Whitehall Township
Non-motorized Connectivity Study - Conduct study to increase pedestrian, wheelchair and bicycle friendly transportation options	North Catasauqua Borough	N			\$195,979		North Catasauqua Borough

LONG-RANGE TRANSPORTATION PLAN | PLANNING & RESEARCH

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Jordan Creek Greenway at Mauch Chunk Road (State Route 1017) Bridge - Conduct preliminary engineering and study of a below-grade crossing	South Whitehall Township	L			\$941,519		South Whitehall Township
Macungie Borough Trail System Connection - Connect borough trail to trail network in Lower Macungie along Brookside Drive	Macungie Borough	L			\$818,711		Macungie Borough
Roundabout/Intersection Realignment Study - Study realignment of Haines Mill Road (State Route 2008) with Walnut Street, Mertz Lane and Dorney Park Road	South Whitehall Township	L			\$511,695		South Whitehall Township
PLANNING & RESEARCH TOTAL			\$677,675	\$5,747,601	\$11,996,832	\$0	

LONG-RANGE TRANSPORTATION PLAN | SAFE ROUTES TO SCHOOLS

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Allentown Safe Routes to School (SRTS) - School Zone Upgrades - Modernization of 59 existing school zone traffic control devices and install eight new devices	City of Allentown	L		\$1,850,000			City of Allentown
Three Connections from State Route 412 to the Saucon Rail Trail - At Meadows Road, at Tumminello Park and at West Walnut Street. Work includes State Route 412 in both Hellertown Borough and Lower Saucon Township, as well as Walnut Street in the Borough and Polk Valley Run in the Township	Hellertown Borough, Lower Saucon Township	N			\$2,259,129		Hellertown Borough
Oakland Road at Santee/Rambeau Roads (Sidewalks) - Add new concrete sidewalk and northwest corner curb ramp, update the southwest corner curb ramp and install rectangular rapid flashing beacons at pedestrian crossing	Bethlehem Township	N			\$255,847		Bethlehem Township
Pedestrian Route to School Safety Enhancements (Sidewalks) - Improve Main Street, Lerchenmiller Drive and Smith Lane by constructing some new sidewalks, adding handicapped accessible crossing features and adding some street trees along Lerchenmiller Drive	Northampton Borough	N			\$204,678		Northampton Borough
Hecktown Road at Chester Avenue Sidewalks - Provide curb, sidewalk and curb ramps at the northwest corner and add rectangular rapid flashing beacons and high-visibility crosswalk markings and pedestrian crossing signs	Bethlehem Township	N			\$255,847		Bethlehem Township
SAFE ROUTES TO SCHOOLS TOTAL			\$0	\$1,850,000	\$2,975,501	\$0	

LONG-RANGE TRANSPORTATION PLAN | RAIL

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Bethlehem Corridor Safety Railroad Warning Devices - Replace outdated equipment with mast arm and cantilever where Brodhead Road, Township Line Road, Christian Springs Road and Schoenersville Road meet Norfolk Southern track	City of Bethlehem, Bethlehem Township	N	\$1,334,000				PennDOT 12 Year Plan
State Route 512 Bath Railroad Crossing - Upgrade railroad safety equipment where Midway Street crosses Norfolk Southern railway	East Allen Township	N	\$326,725				PennDOT 12 Year Plan
RAIL TOTAL			\$1,660,725	\$0	\$0	\$0	

LONG-RANGE TRANSPORTATION PLAN | TRANSIT

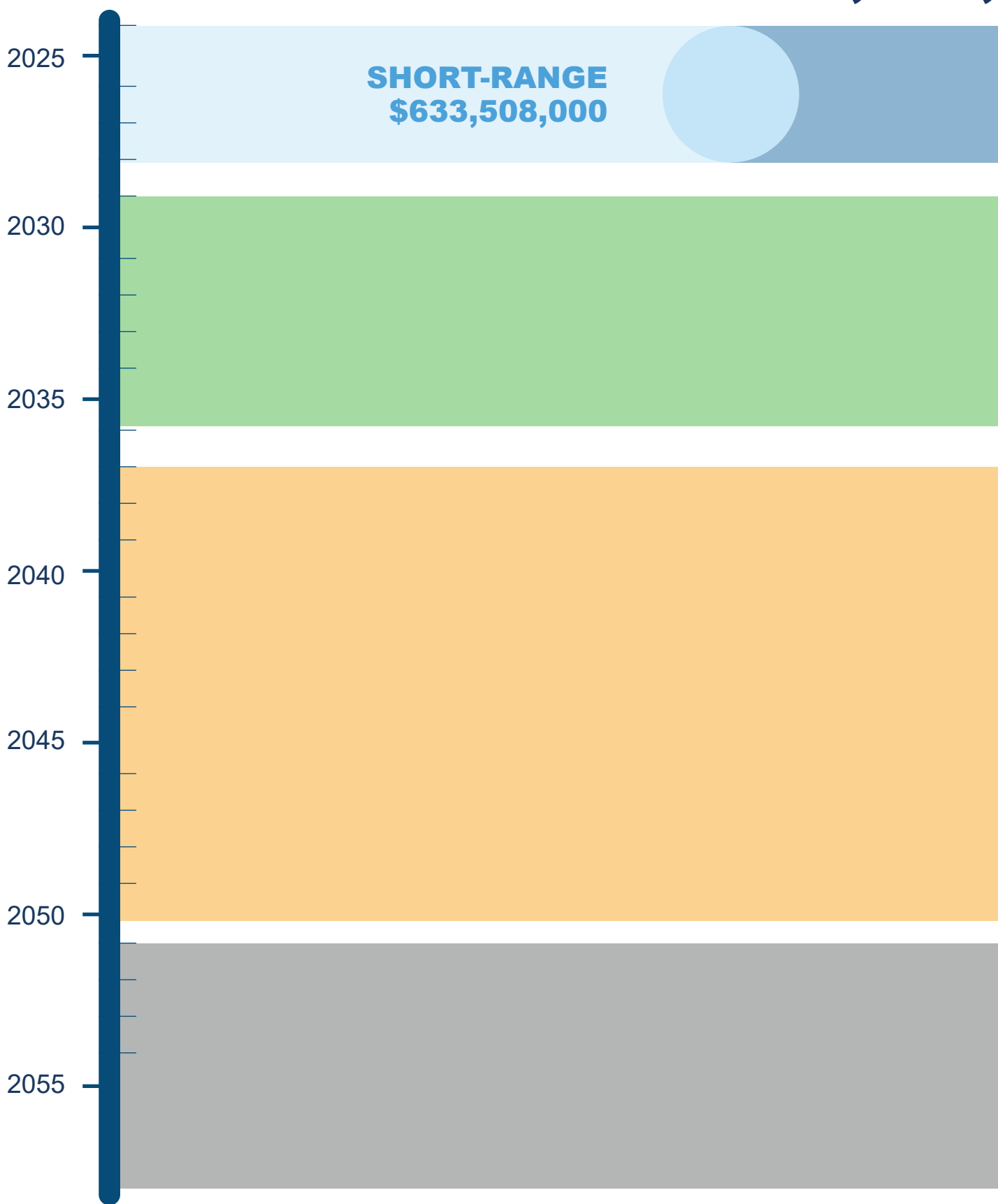
Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
Lehigh and Northampton Transportation Authority (LANTA) Annual Operating Assistance for Fixed Route System MPMS# 106703	Various	L/N	\$77,432,000	\$154,864,000	\$332,590,116		LANTA
LANTA Preventive Maintenance for Fixed Route Fleet MPMS# 95010	Various	L/N	\$22,000,000	\$44,000,000	\$71,500,000		LANTA
LANTA Heavy Duty Fixed Route Bus Replacement MPMS# 95019	Various	L/N	\$13,318,732	\$56,639,763	\$87,622,683		LANTA
LANTA Shared Ride Program on Paratransit System MPMS# 106704	Various	L/N	\$16,536,000	\$33,072,000	\$53,742,000		LANTA
Purchase LANTA Vans/ Minibuses (MPMS# 95008)	Various	L/N	\$6,198,430	\$12,396,860	\$31,404,710		LANTA
LANTA Americans With Disabilities Act Service Based on Fixed Route System MPMS# 95015	Various	L/N	\$3,801,000	\$7,602,000	\$12,353,250		LANTA
LANTA Facility Improvements and Equipment MPMS# 110172	Various	L/N	\$2,500,000	\$6,500,000	\$19,000,000		LANTA
LANTA Associated Capital Maintenance Items (MPMS# 110171) - Funding is being programmed over four years to replace and refurbish associated capital maintenance items, including tire lease agreement and capital maintenance items	Various	L/N	\$900,000	\$1,800,000	\$2,925,000		LANTA
Intelligent Transportation Systems and Security Project (MPMS# 95178) - Purchase/Replace/ Upgrade of communication or monitoring technology, computer hardware and software and servers, computers, printers and other computer technology for administration/ operation of LANTaBus or LANTaBus System	Various	L/N	\$4,000,000	\$8,000,000	\$13,000,000		LANTA
LANTA Service Vehicle replacement (MPMS# 95180) - For the replacement of six non-revenue service vehicles	Various	L/N	\$207,000	\$414,000	\$2,179,000		LANTA
LANTA Install Signs, Shelters and Enhancements (MPMS# 95183)	Various	L/N	\$1,000,000	\$2,000,000	\$2,000,000		LANTA

LONG-RANGE TRANSPORTATION PLAN | TRANSIT

Project Name & Description	Municipality	County	Short-Range (2024-2028)	Mid-Range (2029-2036)	Long-Range (2037-2050)	Unmet Needs	Project Sponsor
LANTA Enhanced Bus/ Bus-Rapid Transit Project (MPMS# 106530)	Various	L/N	\$3,450,000	\$8,300,000	\$14,150,000		LANTA
Lanta Engine Vehicle Overhaul (VOH) Program (Lanta) MPMS# 97977	Various	L/N	\$6,000,000	\$13,800,000	\$16,560,000		LANTA
LANTA Facility Expansion/Replacement - Funding the planning, design, engineering, including National Environmental Policy Act measures, land selection and acquisition, and construction of the expansion and/or replacement of LANTA operating facilities	Various	L/N	\$5,500,000	\$45,000,000			LANTA
LANTA Fixed Route Bus Fleet Expansion - Funding for the purchase of fixed route buses for the purpose of expanding the LANTA bus fleet	Various	L/N	\$6,153,653	\$9,616,613			LANTA
TRANSIT TOTAL			\$168,996,814.81	\$404,005,235.62	\$659,026,759.22	\$0	

TOTAL FUNDING

TOTAL
\$4,388,000,000



NG

TOTAL
657,019

**OTHER STATE AND
FEDERAL FUNDING**
\$974,806,257

MID-RANGE
\$1,090,408,980

LONG-RANGE
\$2,664,740,039

**UNMET NEEDS
(EXTENDS PAST 2050)**
\$2,276,171,304