



2025-2028

TRANSPORTATION IMPROVEMENT PROGRAM

Accomplishments + Annual Listing of Obligated Projects



OCTOBER 1, 2024 THROUGH SEPTEMBER 30, 2025

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Lehigh Valley Transportation Study

INTRODUCTION

PURPOSE OF THE ACCOMPLISHMENTS + ANNUAL LISTING OF OBLIGATED PROJECTS

This report was prepared as an overview of transportation investments in the Lehigh Valley. It also serves as a reference to specifically highlight the accomplishments of transportation improvement projects within the region. Additionally, this report is the convey to the public the Annual Listing of Obligated Projects to fulfill federal transportation requirements. Federal regulation states that: “An annual listing of projects, including investments in pedestrian walkways and bicycle transportation facilities, for which federal funds have been obligated in the preceding program year shall be published or otherwise made available through the cooperative effort of the state, public transportation operator(s), and metropolitan planning organization. The listing shall be consistent with the categories identified in the TIP.”

These requirements were first established under the Fixing America’s Surface Transportation Act (FAST Act) and continued in the subsequent Infrastructure Investment and Jobs Act (IIJA) commonly referred to as the Bipartisan Infrastructure Law (BIL), which authorizes federal funding for transportation projects. The BIL enables the United States Secretary of Transportation to authorize funding to Metropolitan Planning Organizations (MPOs) across the United States, through the Federal Highway Administration (FHWA) and Federal Transit Administration (FTA).

2025 ACCOMPLISHMENTS

A listing of projects and programs that were completed or substantially completed where no additional federal funding obligations have been authorized and the project is open for public use.

2025 UNDER CONSTRUCTION

Projects that are actively under construction where physical work is happening during the federal fiscal year 2025. Not all projects that are accomplished or under construction were obligated funding during 2025. These projects may have had prior federal fiscal years obligations that authorized the project to commence, however construction time frames can sometimes last many years, sometimes past the original obligation year.

DEOBLIGATED PROJECTS

Deobligations are monies not used during a particular phase of the project and have funding that can be reallocated to other eligible phases of other projects. The deobligations or funding may not reflect the current federal fiscal year obligations, and they may have been obligated several years prior as the project progressed through the various phases.

WHAT IS THE TRANSPORTATION IMPROVEMENT PROGRAM?

The Transportation Improvement Program (TIP) is the Lehigh Valley's four-year plan to maintain and enhance the transportation system in Lehigh and Northampton Counties. It is updated every two years, and this update is just one part of an overall plan to create a seamless network where roads, trails, sidewalks, technology and transit connect everyone to every place. The TIP is critical to the economic and social future of the region, targeting infrastructure investments that support a vibrant, inclusive, resilient and growing Lehigh Valley.

The TIP details the planned expenditure of federal funds and state capital funds for specific projects and programs within specified limits of fiscal constraint. Fiscal constraint requires only utilizing the amount of money allocated for specific funding categories and project types. TIP development is a rigorous process that includes significant opportunities for public engagement to provide for involvement and comment on transportation projects considered with a look at the region as a whole and indiscriminate of individual municipal boundaries within Lehigh and Northampton Counties.

The TIP and the overall plan are administered by the Lehigh Valley Transportation Study (LVTS), the federally designated Metropolitan Planning Organization (MPO) for Lehigh and Northampton Counties. As the MPO, the LVTS completes and implements two major foundational planning products, along with additional plans, studies and report. All of this work is done with the input of local officials, transportation agencies and the public. This is achieved through collaboration and meetings of the LVTS Technical and Coordinating Committees.

Federal Regulations Require That the TIP Shall:



Cover a period of at least
3 YEARS



Consist of projects from
*FutureLV: The Regional
Plan*, the locally developed
transportation plan



Reflect the area's
transportation needs
and priorities

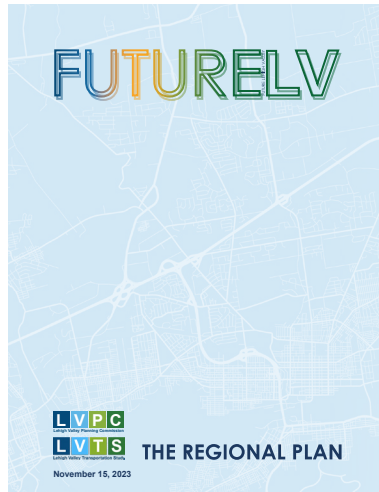


Include realistic cost
and revenue estimates
for all projects



Include all highway,
bridge and transit
projects to be funded
with federal money

PLANNING PRODUCTS



The Metropolitan Transportation Plan (*FutureLV: The Regional Plan*)

FutureLV sets the vision and direction to carry the Lehigh Valley to 2050 and beyond. It provides a blueprint for managing future growth, making the most of our assets and creating a Lehigh Valley where everyone has access to health, opportunity and a livable neighborhood. A key component of *FutureLV* maps out a 25-year plan to maintain and enhance the transportation network. This 25-year plan is the result of the Transportation Needs Assessment community engagement campaign, which included 30 public meetings around the region and more than 1,000 responses to a survey on transportation policy priorities.



The Transportation Improvement Program (TIP)

The TIP covers the most current four-year period of the Long-Range Transportation Plan and is the means by which funds are allocated to regional transportation projects. As part of implementing these plans, the LVT S is responsible for developing and updating the TIP to meet federal planning requirements and address local needs.



ACCOMPLISHMENTS

October 1, 2024 Through September 30, 2025

The Transportation Improvement Program (TIP) is the locally endorsed list of highway, bridge and transit projects proposed to be implemented with federal assistance. The federal and state governments designated the Lehigh Valley Transportation Study (LVTS) as the body responsible for preparing the TIP for Lehigh and Northampton Counties. This report of completed projects in federal fiscal year 2025 for the 2025-2028 TIP that was adopted June of 2024.

Every two years, the LVTS works in partnership with PennDOT, LANTA and area local officials to identify priority transportation needs and develop a new TIP to address these needs over the next four-year period. The TIP sources projects from the Metropolitan Transportation Plan (MTP) within *FutureLV: The Regional Plan*, the comprehensive plan for Lehigh and Northampton Counties.

MTP delineates how available and projected transportation funds will be spent over a 25-year period. MTP also outlines a vision of the future of transportation in the Lehigh Valley through a series of projects that involve the Goals and Policies of *FutureLV: The Regional Plan*.

The TIP details the planned expenditure of federal funds and state capital funds for specific projects and programs within specified limits of fiscal constraint. Fiscal constraint requires only utilizing the amount funding allocated for specific funding categories and project types. TIP development is a rigorous process that includes significant opportunities for public engagement to provide for involvement and comment on transportation projects considered with a look at the region as a whole and indiscriminate of individual municipal boundaries within Lehigh and Northampton Counties.

PERFORMANCE-BASED PLANNING + PROGRAMMING

The LVTS TIP follows a Performance-Based Planning and Programming (PBPP) process, with a focus on collaboration between PennDOT, FHWA, and the LVTS at the county and regional levels. These activities are carried out as part of a cooperative, continuing, and comprehensive (3C) planning process which guides the development of various plans and programs. The 3C process enables valuable coordination and public engagement with a focus on the policies of the LVTS and state and federal guidelines.

The completion of these projects also aligns with the FHWA and PennDOT Asset Management as well as Transportation Performance Management through Performance Measures. These Performance Measures are a set of targets to address various aspects of transportation. These targets and goals are related to safety, infrastructure condition and system performance with a relationship to air quality. Projects are selected to align with adopted Transportation Performance Management, Performance Measures by LVTS to ensure a safe and efficient transportation system.

Transportation Performance Management (TPM) is a strategic approach that uses data to make investment and policy decisions to achieve national performance goals. 23 CFR 490 outlines the national performance goal areas for the federal-aid program. TPM is systematically applied through a regular ongoing process. It provides key information to help decision makers understand the consequences of investment decisions across transportation assets or modes or transportation. Communication between decision makers, stakeholders and the public is provided through this management strategy. Ensuring targets and measures developed in cooperative partnerships and based on data and objective information.

These goals are embedded within three specific Performance Measures and targets adopted by the Lehigh Valley Transportation Study. Performance targets should be data-driven, realistic, and attainable and should align with the performance management framework and legislative intent.

PERFORMANCE MEASURES

Safety Performance Measures (PM1)

Five safety performance targets have been established and are updated annually. The measures are based on crashes that result in fatal and/or serious injuries. The targets assist the LVTS and PennDOT in addressing areas of concern for fatalities and serious injury.

Safety Performance Measures:

- Number of fatalities
- Rate of fatalities per 100 million vehicle miles traveled
- Number of serious injuries
- Rate of serious injuries per 100 million vehicle miles traveled
- Number of non-motorized fatalities and serious injuries

The goal of the Performance Measures is to collect data and target transportation investments to improve the system with the end result of a project selection process rooted in data and analysis to enhance transportation system performance.

Projects for the MTP and the TIP have been selected to align with adopted Performance Measures by LVTS to ensure a safe and efficient transportation system consistent with state and national transportation objectives.

Pavement/Bridge Performance Measures (PM2)

The Pavement/Bridge Performance Measures (PM2) apply to both pavement and bridge condition and are only applicable to the National Highway System (NHS). Conditions are rated as either Good or Poor and provide targets that are consistent with PennDOT's asset management objectives of maintaining the system in the state of good repair, managing to lowest life cycle costs, and achieving national and state transportation goals.

System Performance Measures (PM3)

The System Performance Measures (PM3) are six measures which assess performance of the National Highway System (NHS), Freight Movement on the Interstate System, and the Congestion Mitigation and Air Quality (CMAQ) Improvement Program. The LVTS and PennDOT continue their efforts to ensure the TIP and the LRTP are developed and managed to support progress toward the achievement of the statewide system performance targets.

System Performance Measures:

- Interstate Reliability
- Non-Interstate National Highway System Reliability
- Truck Reliability Index
- Annual Peak Hours Excessive Delay Hours Per Capita
- Percentage Non-Single Occupied Vehicle Travel
- Vehicle Emission Targets

Total for **ACCOMPLISHED PROJECTS**

October 1, 2024 through September 30, 2025

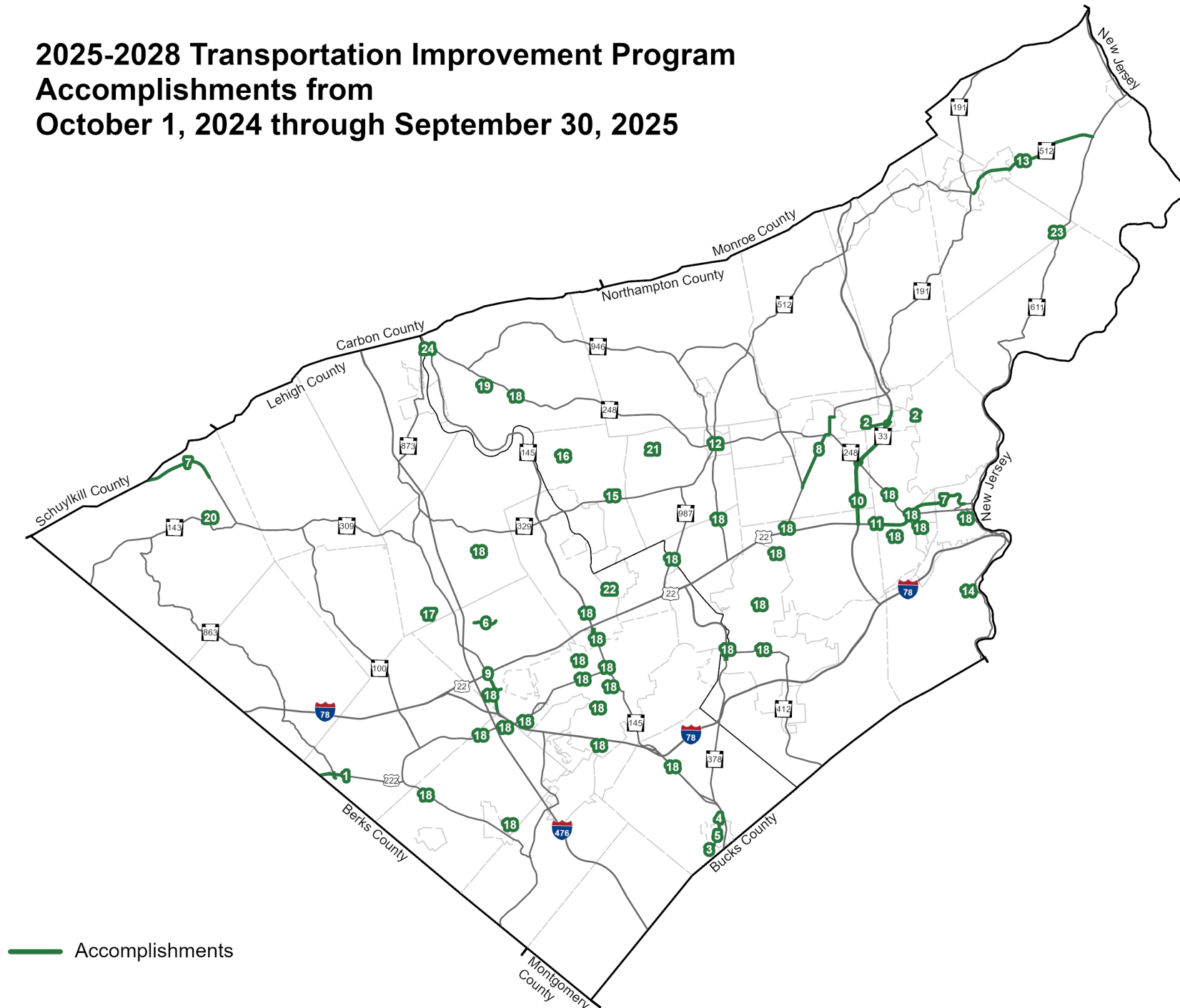
During 2025, TIP projects with investments of

\$92,846,194

were completed and open for public use.

The following projects are critical infrastructure projects to the long-term sustainability and mobility of the Lehigh Valley. These projects were the result of a comprehensive planning and programming of various current and prior Transportation Improvement Programs.

2025-2028 Transportation Improvement Program Accomplishments from October 1, 2024 through September 30, 2025



— Accomplishments

HIGHLIGHTED ACCOMPLISHMENTS

October 1, 2024 through September 30, 2025

Coopersburg Main Street Streetscape Phase 3

Description: Installation of crosswalks, Americans with Disabilities Act-compliant (ADA) ramps, curb, sidewalk and pedestrian lighting along Main Street (Route 2045) between East Fairmount Street and Tilghman Street.

Location: Coopersburg Borough

Performance Measure: PM1

Total Project Cost: \$175,000

MPMS #: 110988

Project Administrator/Owner: PennDOT District 5

Map ID #: 3

Coopersburg Main Street Streetscape Phase 5

Description: Bicycle and pedestrian improvements along Main Street (Route 2045) from East Fairmont Street to Fairview Street that will include ADA ramps, crosswalks, pedestrian lighting, signage, on-street parking and sharrows, in Coopersburg Borough.

Location: Coopersburg Borough

Performance Measure: PM1, PM2, PM3

Total Project Cost: \$609,128

MPMS #: 112628

Project Administrator/Owner: PennDOT District 5

Map ID #: 4

Coopersburg Main Street Streetscape Phase 7

Description: Bicycle and pedestrian improvements along Main Street (Route 2045) from East Fairmont Street to Fairview Street that will include ADA ramps, crosswalks, pedestrian lighting, signage, on-street parking and sharrows, in Coopersburg Borough.

Location: Coopersburg Borough

Performance Measure: PM1

Total Project Cost: \$1,131,515

MPMS #: 113303

Project Administrator/Owner: PennDOT District 5

Map ID #: 5

Howertown Road Bridge Replacement/Rehabilitation

Description: Replacement/rehabilitation of the Howertown Road Route 3017) bridge over Dry Run in Allen Township.

Location: Allen Township

Performance Measure: PM2

Total Project Cost: \$2,912,857

MPMS #: 105371

Project Administrator/Owner: PennDOT District 5

Map ID #: 15

Jordan Creek Greenway in Covered Bridge Park

Description: Extension of the Jordan Creek Greenway Trail.

Location: South Whitehall Township

Total Project Cost: \$1,000,000

MPMS #: 118438

Project Administrator/Owner: PennDOT District 5

Map ID #: 6

Performance Measure: PM3

Route 309 & Tilghman Street Interchange Demolition

Description: Demolition of properties needed for the Route 309 and Tilghman Street Interchange project in South Whitehall Township.

Location: South Whitehall and Upper Macungie Townships

Performance Measure: PM2, PM3

Total Project Cost: \$667,207

MPMS #: 121093

Project Administrator/Owner: PennDOT District 5

Map ID #: 9

Race Street Bridge Replacement/Rehabilitation

Description: Replacement and rehabilitation of the precast deck of the Race Street (Route 1004) bridge over the Lehigh River in Whitehall Township and in the Borough of Catasauqua.

Location: Whitehall Township and Catasauqua Borough **Performance Measure:** PM2, PM3

Total Project Cost: \$6,879,075 **MPMS #:** 108134

Project Administrator/Owner: PennDOT District 5 **Map ID #:** 22

Route 512 Resurface S. Main Street to Route 611

Description: Resurfacing Bill Scott Boulevard, Central Avenue and Mount Bethel Highway(all section of Route 512) from Main Street in Bangor through East Bangor to Route 611 in Upper Mount Bethel Township.

Location: Upper Mount Bethel Township, and the
Boroughs of Bangor and East Bangor **MPMS #:** 101571

Total Project Cost: \$6,879,075 **Map ID #:** 13

Project Administrator/Owner: PennDOT District 5

Performance Measure: PM2, PM3

TOTAL ACCOMPLISHMENTS

October 1, 2024 through September 30, 2025

Map ID	MPMS #	Project Title	Project Description	Project Administrator/ Owner	Total Cost of Project
1	79554	Route 222 & Shantz Road & Route 863 Improvements	Safety improvements in Upper Macungie Township.		\$26,529,510
14	110055	Route 611 Culvert Replacement	Emergency project in Williams Township.		\$1,530,319
2	112129	Amazon Offsite Improvements	Highway reconstruction in Forks and Palmer Townships.		\$5,000,000
16	12310	Indian Trail Road over Hokendauqua Creek Bridge Replacement	Replacement of the bridge carrying Indian Trail Road over Hokendauqua Creek, in Allen Township.		\$5,118,330
17	89627	Kernsville Road Bridge Restoration	Restoration Kernsville Road Bridge.		\$4,310,710
7	117521	All Weather Pavement Markers 2023	Installation of all weather pavement markings at various locations in Lehigh and Northampton Counties.		\$539,181
18	116663	Low Cost Signal Upgrades	Signal upgrades at various locations throughout Lehigh and Northampton Counties.		\$198,675

Map ID	MPMS #	Project Title	Project Description	Project Administrator/ Owner	Total Cost of Project
19	12318	Maple Drive over Tributary to Bertsch Creek	Replacement of bridge carrying Maple Drive over Bertsch Creek.		\$1,233,473
20	85692	Mosserville Road over Ontelaunee Creek	Replacement of bridge carrying Mosserville Road over Ontelaunee Creek.		\$2,283,183
8	101560	Nazareth Pike Resurfacing	Resurfacing of Nazareth Pike in Lower Nazareth Township and Nazareth Borough.		\$2,627,510
21	110058	Old Carriage Road Bridge Replacement	Replacement of Old Carriage Road Bridge.		\$2,081,469
10	114351	Route 33 Resurfacing	Resurfacing of Route 33 from the Tatamy interchange to Route 22 in Whitehall Township and Catasauqua Borough.		\$6,879,075
23	12084	Richmond Bridge Replacement	Replacement of the Richmond Bridge in Washington Township.		\$2,982,010

Map ID	MPMS #	Project Title	Project Description	Project Administrator/ Owner	Total Cost of Project
11	114350	Route 22 Resurface, Bethman Road to 25th Street	Highway restoration on Route 22 from Bettman Road to 25th Street in Bethlehem and Palmer Townships, and Wilson Borough.		\$3,988,792
24	110176	Route 248 Signal Upgrade	Signal upgrades along Route 248 in Lehigh Township.		\$2,449,928
12	113887	Route 512 Bath Borough Corridor Signal Optimization	Signal upgrades along Route 512 in Bath Borough.		\$1,890,797



Lehigh Valley Transportation Study

UNDER CONSTRUCTION

October 1, 2024 Through September 30, 2025

Total for Projects **UNDER CONSTRUCTION**

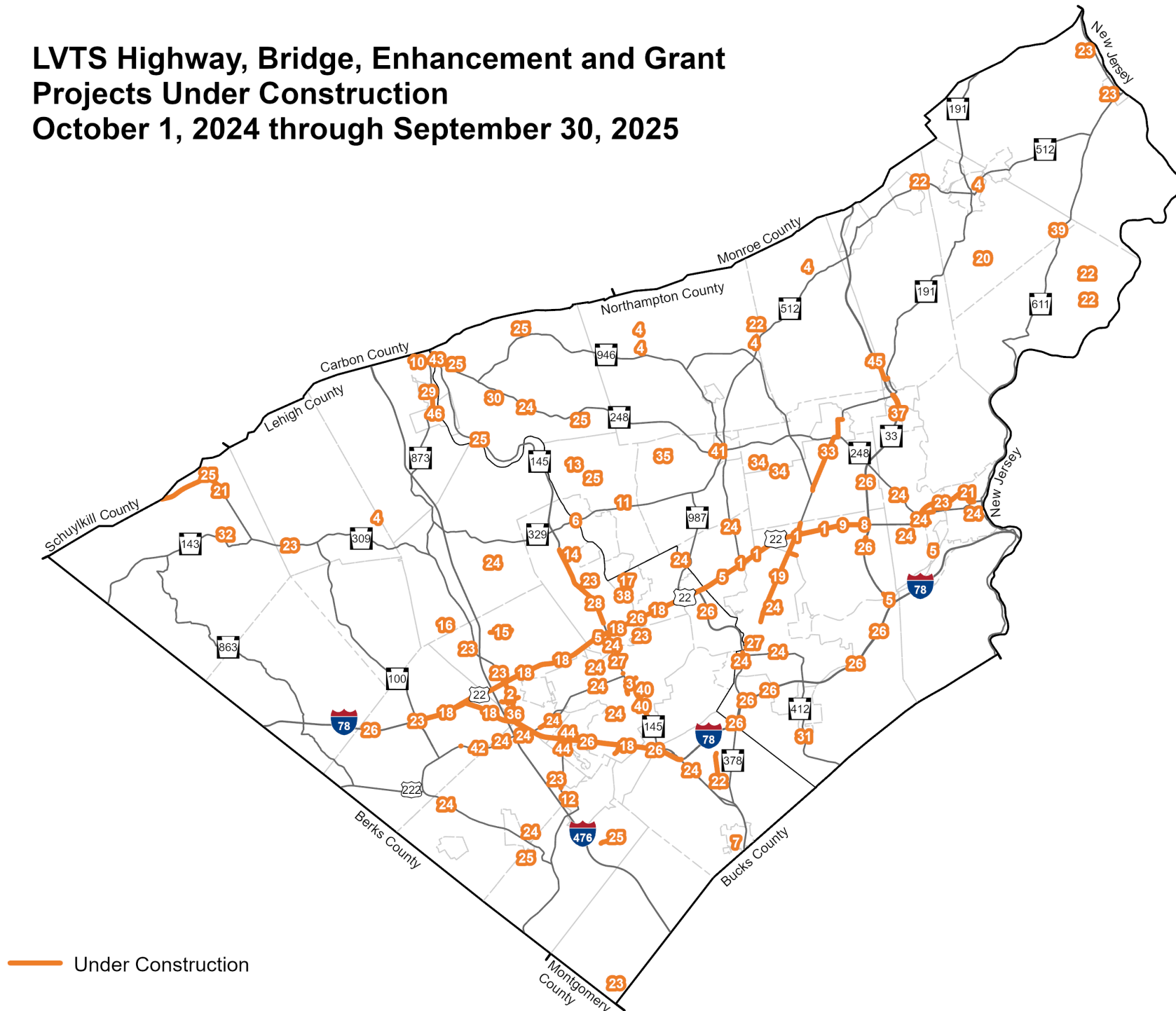
October 1, 2024 through September 30, 2025

\$401,659,004

Projects listed in this section are physical construction for Federal Fiscal Year (FFY) 2025. There are certain projects that may appear to be complete and are in fact open for transportation purposes. However, there are elements remaining to close out the project. These projects also may have small amounts of funding in the 2025-2028 TIP and will be closed out in the current FFY 2025 annual listing of obligated projects and accomplishments element within the report. Dollar totals are programmed amounts combined with past expenditures. These amounts are subject to change as projects develop.

LVTS Highway, Bridge, Enhancement and Grant Projects Under Construction

October 1, 2024 through September 30, 2025



HIGHLIGHTED UNDER CONSTRUCTION

October 1, 2024 through September 30, 2025

Route 22 from Farmersville Road to Route 512

Description: Highway resurfacing/restoration of Route 22 from Farmersville Road to the Route 512 and restoration of Route 191 and Route 512 Interchange ramps in Bethlehem and Hanover Townships. Will include replacing all guiderails.

Location: Bethlehem Township, Hanover Township

Status: Started Summer 2022, Estimated Completion Fall 2023

Total Project Cost: \$24,099,476

MPMS #: 110070

Project Administrator/Owner: PennDOT District 5

Map ID #: 1

Route 309 & Tilghman Street I/C Recon

Description: Reconfiguration of the Route 309/Tilghman Street (Route 1002) Interchange and two bridge replacements at Route 309 over Tilghman Street and Route 309 over Broadway Street. Will also include rehabilitation of the Route 309 culvert over Little Cedar Creek, roadway drainage improvements, base repair, overlay, and two new signals at the end of the reconfigured ramps.

Location: South Whitehall Township, Lehigh County

Status: Started Summer 2024, Estimate Completion Spring 2030

Total Project Cost: \$129,594,328

MPMS #: 96432

Project Administrator/Owner: PennDOT District 5

Map ID #: 2

Cementon Bridge Replacement

Description: Replacement of the Cementon Bridge carrying Route 329 over the Lehigh River in Whitehall Township.

Location: Whitehall Township, Northampton Borough

Status: Started Winter 2023, Estimated Completion Fall 2028

Total Project Cost: \$34,871,088

MPMS #: 11413

Project Administrator/Owner: PennDOT District 5

Map ID #: 6

Lehigh Race Street Intersection

Description: Corridor improvements to Race Street (State Route 1004) in Catasauqua Borough, including installation of traffic signals at the intersections of Race Street/Lehigh Street, Race Street/Front Street and Race Street/Second Street. Will also include widening the Race Street structure over the Lehigh Canal, and installation of a right turn lane eastbound onto Lehigh Street (State Route 1007). A westbound left turn lane will be provided for westbound Race Street onto Lehigh Street. The widening of Lehigh Street to provide separate right turn lane will require the removal and replacement of the existing bridge over Catasauqua Creek which will also accommodate pedestrian traffic from the Delaware and Lehigh (D&L) trail. A left turn lane will be provided for eastbound Race Street onto Second Street. Both Front Street and Second Street will be converted into two-way streets.

Location: Catasauqua Borough

Status: Started Winter 2023, Estimated Completion Summer 2026

Total Project Cost: \$18,256,853

MPMS #: 57433

Project Administrator/Owner: PennDOT District 5

Map ID #: 17

Newburg Road over Trib Monocacy Creek

Description: This project involves a replacement of the bridges that carry Newburg Road (SR 3020) over a tributary of Monocacy Creek in Lower Nazareth Township and East Branch Monocacy Creek, Upper Nazareth Township.

Location: Lower Nazareth Township,
Upper Nazareth Township

Status: Started Fall 2023, Actual Completion Spring 2025

MPMS #: 85940

Total Project Cost: \$9,620,635

Map ID #: 34

Project Administrator/Owner: PennDOT District 5

Route 33 Bushkill Creek Bridges

Description: PA 33 Northbound and Southbound bridge replacements over Bushkill Creek in Stockertown Borough, Northampton County.

Location: Stockertown Borough

Total Project Cost: \$28,382,770

Project Administrator/Owner: PennDOT District 5

Status: Started Winter 2023, Estimated Completion Fall 2025

MPMS #: 96431

Map ID #: 37

Route 248 Realignment

Description: The proposed realignment would straighten Route 248 and reduce the number of turning movements in the Borough, reduce traffic on Main Street between Bridge Street and Chestnut Street, and direct traffic away from the Downtown Historic Area. The length of Northampton Street up to its intersection with Main Street will be designated as Route 248.

Location: Bath Borough

Total Project Cost: \$8,645,693

Project Administrator/Owner: PennDOT District 5

Status: Started Summer 2024, Estimated Completion Summer 2027

MPMS #: 86853

Map ID #: 41

Walnut Street Bridge

Description: Replacement of the bridge that carries South Walnut Street over Trout Creek in the Borough of Slatington, Lehigh County.

Location: Slatington Borough

Total Project Cost: \$14,291,380

Project Administrator/Owner: PennDOT District 5

Status: Started Winter 2024, Estimated Completion Summer 2028

MPMS #: 94680

Map ID #: 46

Map ID	MPMS #	Project Title	Project Description	Status	Project Administrator/ Owner	Total Cost of Project
13	12310	Indian Trail Road over Hokendauqua Creek	Replacement of the bridge carrying Indian Trail Road (Route 3016) over Hokendauqua Creek in Allen Township.	Started Winter 2023, Actual Completion Fall 2024	PennDOT	\$5,118,330
14	118436	Ironton Rail Trail Trailhead Improvement Project	Bicycle/Pedestrian safety improvements at Ironton Rail Trail Trailhead at the intersection of North Ruch Street and Chestnut Street in Whitehall Township.	Started Winter 2024, Estimated Completion Fall 2025	PennDOT	\$320,000
15	118438	Jordan Creek Greenway in Covered Bridge Park	Extension of the Jordan Creek Greenway Trail through Covered Bridge Park in South Whitehall Township.	Started Winter 2023, Actual Completion Fall 2024	PennDOT	\$1,000,000
16	89627	Kernsville Road Bridge	This project consists of a rehabilitation of the bridge carrying Kernsville Road (Route 4003) over Jordan Creek in Whitehall Township.	Started Summer 2023, Actual Completion Fall 2024	PennDOT	\$4,310,710
18	68190	Lehigh Valley Freeway Service Patrol	Two roaming tow trucks to respond quickly to incidents on Interstate 78 in Lower Macungie Township, from Route 100 to Route 22, and along Route 22 from the split with I-78, and Route 33 in Bethlehem Township.	Ongoing	PennDOT	\$1,340,592

Map ID	MPMS #	Project Title	Project Description	Status	Project Administrator/ Owner	Total Cost of Project
19	11981	Linden Street Improvements	Selective highway reconstruction and paving of Linden Street (Route 3015) from Elizabeth Avenue to Brodhead Road within the City of Bethlehem and Bethlehem Township. Improvements include milling and overlay throughout the corridor with select sections of base repair. Additionally, there will be Americans with Disabilities Act (ADA) ramps updated to current standards, traffic signal updates, the installation of pedestrian push buttons, pedestrian crossing improvements, signing and pavement marking improvements.	Started Summer 2023, Estimated Completion Fall 2024	PennDOT	\$8,266,545
20	85930	Lower South Main Street over Martins Creek	Replacement of the bridge carrying Route 1015 over Martins Creek in Washington Township.	Started Winter 2023, Estimated Completion Winter 2024	PennDOT	\$3,521,496
21	117521	All Weather Pavement Markers 2023	Installation of All Weather Pavement Markings at various locations, in Lehigh and Northampton Counties.	Started Spring 2023, Actual Completion Summer 2024	PennDOT	\$539,181
22	117528	BPN-4 Guide Rail Upgrades	Addressing guide rail upgrades at various locations, in Lehigh and Northampton Counties.	Started Summer 2024, Estimated Completion Summer 2026	PennDOT	\$100,000

Map ID	MPMS #	Project Title	Project Description	Status	Project Administrator/ Owner	Total Cost of Project
23	112231	Bridge Preservation #7	Consultant design and construction of bridge repairs and preservation of various bridges in Lehigh and Northampton Counties.	Started Winter 2024, Estimated Completion Fall 2027	PennDOT	\$5,295,878
24	116663	Low Cost Signal Upgrades	Adding retroreflective backplates and increasing signal head size from 8-inch to 12-inch lens at urban intersections at various locations in Lehigh and Northampton Counties.	Started Summer 2023, Actual Completion Fall 2024	PennDOT	\$198,675
25	117823	Systemic Safety Improvements	This districtwide design build project involves implementing low-cost safety systemic countermeasures to address lane departure sites on curves in various locations in Lehigh and Northampton Counties. Combined with similar projects in Berks, Carbon, Monroe and Schuylkill Counties.	Started Fall 2022, Estimate Completion Fall 2025	PennDOT	\$4,706,567
26	110086	Urban Intelligent Transportation Systems	Installation of Dynamic Message Signs (DMS) & Closed Circuit Television Cameras (CCTV) at various locations along Route 22 in Lehigh County. Locations added after the 2021 TIP adoption were various locations along Route 22, Route 33, Route 378 and Interstate 78.	Started Spring 2023, Estimated Completion Summer 2025	PennDOT	\$6,297,006

Map ID	MPMS #	Project Title	Project Description	Status	Project Administrator/ Owner	Total Cost of Project
27	119413	Vulnerable Road User Project - Tier 1	Implementation of a systemwide safety improvement for Vulnerable Road User by implementing pedestrian countdown timers on various routes in Lehigh and Northampton Counties.	Started Fall 2023, Estimated Completion Summer 2025	PennDOT	\$748,591
28	110170	MacArthur Road Signal Upgrades	Synchronization of twelve signalized intersections along MacArthur Road (Route 145), including two signalized adjacent ramp intersections in Whitehall Township.	Started Fall 2022, Estimated Completion Fall 2025	PennDOT	\$8,196,320
29	113099	Main Street (Route 873) & Walnut Street Intersection Improvements	The realignment of the /North Walnut Street (Route 873) intersection in the Borough of Slatington.	Started Summer 2025, Esitmed Completion Summer 2028	PennDOT	\$440,000
30	12318	Maple Drive over Tributary to Bertsch Creek	Replacement of the Route 4020 bridge over tributary to Bertsch Creek in Lehigh Township.	Started Spring 2023, Actual Completion Summer 2024	PennDOT	\$1,233,473
31	12286	Meadows Road Bridge (County Bridge #15)	Bridge improvements of the Meadows Road Bridge over Saucon Creek in Lower Saucon Township.	Started Spring 2024, Estimated Completion Summer 2026	PennDOT	\$5,855,085
32	85692	Mosserville Road over Ontelaunee Creek	Replacement of the Mosserville Road (Route 4024) bridge over Ontelaunee Creek in Lynn Township.	Started Spring 2024, Actual Completion Fall 2024	PennDOT	\$2,283,183

Map ID	MPMS #	Project Title	Project Description	Status	Project Administrator/ Owner	Total Cost of Project
33	101560	Nazareth Pike Resurface	Milling, base repair, ADA ramps, resurfacing and new pavement markings on Route 191, from Newburg Road in Lower Nazareth Township to North New Street in Nazareth Borough.	Started Winter 2023, Actual Completion Spring 2024	PennDOT	\$2,627,510
35	110058	Old Carriage Road Bridge Replacement	Replacement of the Old Carriage Road (Route 3018) bridge over a tributary of the Catasauqua Creek in East Allen Township.	Started Winter 2023, Actual Completion Spring 2024	PennDOT	\$2,081,469
36	121093	Route 309 & Tilghman Street Interchange Demolition	Demolition of properties needed for the Route 309 and Tilghman Street Interchange project in South Whitehall Township.	Started Spring 2024, Actual Completion Fall 2024	PennDOT	\$667,207
38	108134	Race Street Bridge over Lehigh River	Precast deck replacement and rehabilitation of the Race Street (Router 1004) bridge over the Lehigh River in Whitehall Township and the Borough of Catasauqua.	Started Fall 2022, Actual Completion Winter 2023	PennDOT	\$8,226,856
39	12084	Richmond Bridge Replacement	Replacement of the bridge that carries Route 611 over Oughoughton Creek in Washington Township, Northampton County.	Started Spring 2023, Actual Completion Fall 2024	PennDOT	\$2,982,945

Map ID	MPMS #	Project Title	Project Description	Status	Project Administrator/ Owner	Total Cost of Project
40	109971	Route 145 Safety Improvements	Safety improvements on Fourth Street/Susquehanna Street (Route 145)) from Emmaus Avenue to West Wyoming Street in the City of Allentown. Includes milling, overlay, ADA, restriping of protected left turn bays at signals, alignment of opposing left turns, installation of two-way left turn signals throughout the corridor, and implementation of access management.	Started Fall 2023, Estimated Completion Fall 2026	PennDOT	\$11,313,390
42	118306	Route 222 & Grange Road Improvements	Intersection improvements, pedestrian crosswalks and traffic signal improvements at Route 222 and Grange Road/Mill Creek Road in Upper Macungie Township.	Started Spring 2023, Actual Completion Summer 2024	PennDOT	\$140,041
43	110176	Route 248 Signal Upgrades	Improvements to the traffic signal operation at two intersections along Route 248 in Lehigh Township.	Started Summer 2023, Actual Completion Fall 2024	PennDOT	\$2,449,928
44	110169	Route 29/Cedar Crest Boulevard Signal Upgrades	Improvements of the traffic signal operation at four intersections along Route 29 in Salisbury Township.	Started Fall 2022, Estimated Completion Fall 2025	PennDOT	\$5,109,603
45	107761	Two Rivers Trail Gap 9A Construction	Construction of a pedestrian trail along Route 33 from Sullivan Trail to Henry Road in Plainfield and Bushkill Townships. The trail installation will include signage, pavement markings and fencing.	Started Summer 2022, Estimated Completion Summer 2024	PennDOT	\$654,036



Lehigh Valley Transportation Study

ANNUAL LISTING OF OBLIGATED PROJECTS

October 1, 2024 Through September 30, 2025

Obligations are shown for all projects in Lehigh and Northampton Counties, including those projects outside of the control of the Lehigh Valley Transportation Study funding allocations and formulas such as the Interstate Program. Obligations for the Interstate System for example are shown in this report. The Interstate Management Program is administered by PennDOT Central Office.

Obligations are shown by project phases and include the funding source. Projects have many phases even before construction can begin. These phases include Preliminary Engineering (PE), Rights-Of-Way (ROW), Utilities (UTL), Final Design (FD), Construction (CON) and Study/Planning (S/P) or implementation of the project.

To fulfill this requirement, the 2025 LVTS Annual Listing of Obligated Projects shows all money obligated for highway, bridge, transit, bicycle and pedestrian projects within Lehigh and Northampton Counties for the Federal Fiscal Year (FFY) 2025, which is the time period of October 1, 2024, to September 30, 2025.

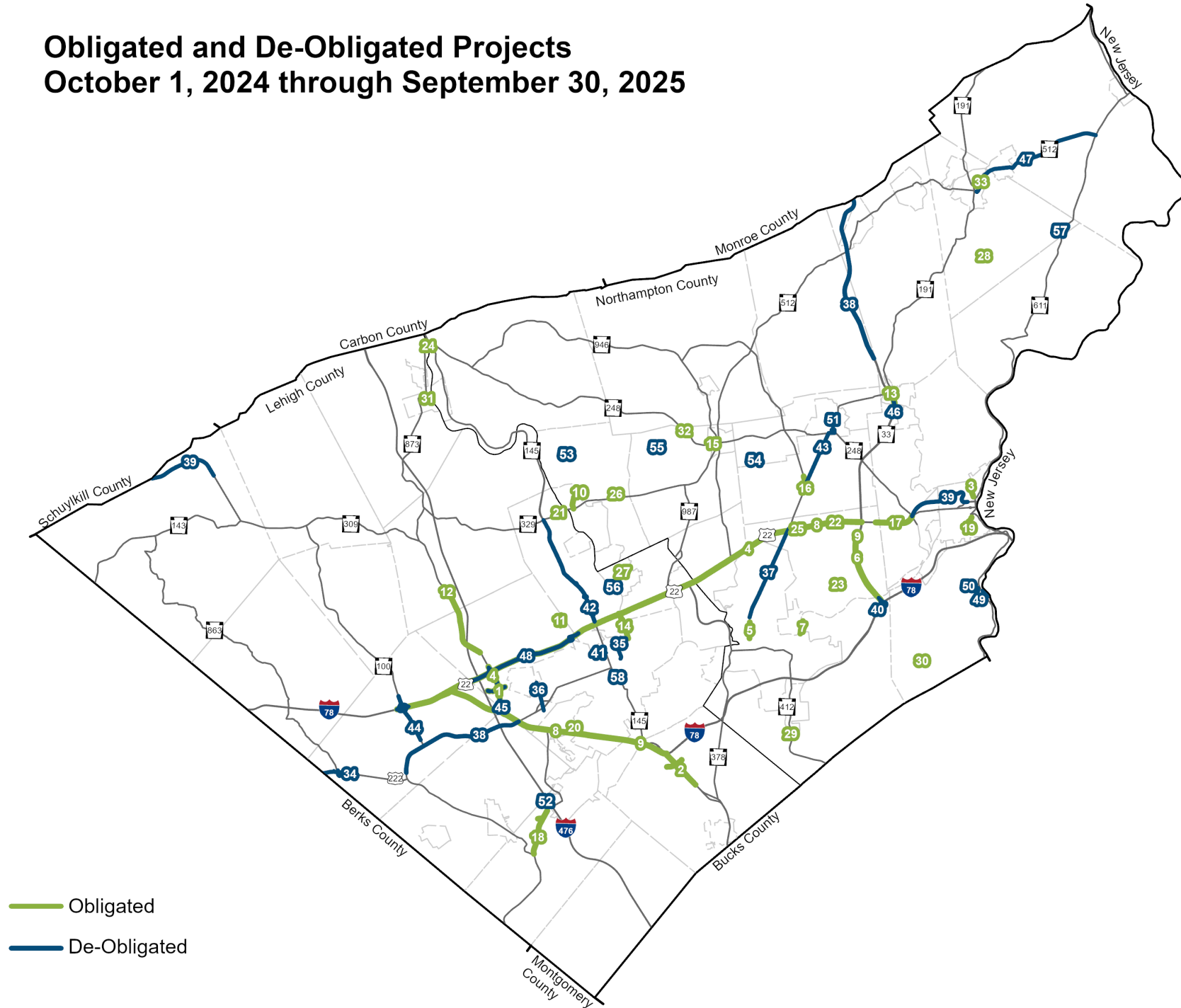


Total Obligations for **HIGHWAY/BRIDGE ENHANCEMENTS/ GRANT PROJECTS**

October 1, 2024 through September 30, 2025

\$53,742,280

Obligated and De-Obligated Projects October 1, 2024 through September 30, 2025



— Obligated
— De-Obligated

HIGHWAY/BRIDGE OBLIGATIONS

October 1, 2024 through September 30, 2025

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
1	96432	Route 309 & Tilghman Street Interchange Reconstruction	Reconfigures the Tilghman Street (Route 309/Route 1002) Interchange. Will also include two bridge replacements at Route 309 over Tilghman Street and Route 309 over Broadway Street, rehabilitation of the Route 309 culvert over Little Cedar Creek, roadway drainage improvements, base repair, overlay, and two new signals at the end of the reconfigured ramps.	CON	PennDOT	\$20,730,300	\$17,826,116	\$38,556,416
2	102160	Route 309 Center Valley Interchange Improvements	Geometric improvements to the Route 309 Center Valley Interchange, in Upper Saucon Township. The existing signalized intersection will be converted into a full direction grade separated interchange.	PE	PennDOT	\$1,259,824	\$0	\$1,259,824
20	118404	Bogert's Bridge Rehabilitation	Rehabilitation of Bogert's Covered Bridge over Little Lehigh Creek in Lehigh Parkway to restore structural integrity and ensuring future use in the City of Allentown. Items of work include evaluation and replacement of bridge members, replacement of roof system and timber siding.	CON	PennDOT	\$200,000	\$0	\$200,000

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
N/A	122781	Coalition of Appropriate Transportation Bike Education 2025	This project involves bicycle education for grades K-8 through bike safety assemblies, bike day events, small group events, and promotional campaign at various locations within Lehigh and Northampton Counties.	CON	PennDOT	\$468,860	\$165,262	\$634,122
21	11413	Cementon Bridge Replacement	Replacement of the Cementon Bridge carrying Route 329 over the Lehigh River in Whitehall Township and Northampton Borough.	CON	PennDOT	\$1,728,664	\$0	\$1,728,664
NA	97953	Construction Assistance	This project provides funding for consultant assistance for the inspection and/or oversight of approved Transportation Improvement Program construction projects that are eligible for federal funding. These include highway, bridge and transportation alternative projects in Lehigh and Northampton Counties.	CON	PennDOT	\$194,978	\$225,000	\$419,978
3	118435	Easton/Lafayette College Pedestrian Safety Project - Phase 3	Pedestrian safety enhancements in the College Hill neighborhoods along Cattell Street from College Avenue to High Street City of Easton.	CON	PennDOT	\$93,000	\$0	\$93,000

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
22	71707	Farmersville Road Bridge over Route 22	Replacement of the Route 2029 (Farmersville Road) bridge over Route 22 in Bethlehem Township.	CON	PennDOT	\$2,418,032	\$0	\$2,418,032
23	117509	Freemansburg Avenue Safety Improvements	Intersection safety improvements of Freemansburg Avenue (Route 2018) and Farmersville Road in Bethlehem Township. Improvements will include realignment of the northern leg of the intersection to align with the southern leg, a signalization and turning lanes.	FD	PennDOT	\$839,445	\$0	\$839,445
23	117509	Freemansburg Avenue Safety Improvements	Intersection safety improvements of Freemansburg Avenue (Route 2018) and offset Farmersville Road in Bethlehem Township. Improvements will include realignment of the northern leg of the intersection to align with the southern leg, a signalization and turning lanes.	ROW	PennDOT	\$683,000	\$0	\$683,000
4	68190	Freeway Service Patrol	Funding for two roaming tow trucks to respond quickly to incidents on Interstate 78. The service limits are from Route 100 to the Route 309 split and Interstate 78/Route 22 (at Route 100) to Route 22/Route 33 in Upper Macungie, Lower Macungie, South Whitehall, Whitehall, Hanover and Bethlehem Townships, and the City of Bethlehem.	CON	PennDOT	\$377,250	\$1,218,064	\$1,595,314

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
24	107552	Gap Bridge Repairs	Rehabilitation of Route 873 (Lehigh Gap Bridge) over the Lehigh River & Norfolk Southern Railroad in Washington Township, Lehigh County.	CON	PennDOT	\$2,941,040	\$0	\$2,941,040
25	89614	Hecktown Road Bridge over Route 22	Replacement of the Route 2027 (Hecktown Road) bridge over Route 22 in Bethlehem Township.	CON	PennDOT	\$4,649,468	\$743,321	\$5,392,789
26	105371	Howertown Road Bridge	Replacement/rehabilitation of Howertown Road (Route 3017) bridge over Dry Run in Allen Township.	CON	PennDOT	\$127,600	\$0	\$127,600
27	57433	Lehigh and Race Street Intersection Improvement	Corridor improvements to Race Street (Route 1004) in the Borough of Catasauqua. The intersections of Race Street/ Lehigh Street, Race Street/ Front Street and Race Street/ Second Street will be signalized. The Race Street structure will be widened over the Lehigh Canal to provide a right turn auxiliary lane eastbound onto Lehigh Street (Route 1007), and the bridge over the Catasauqua Creek will be replaced. A left turn lane will be provided for eastbound Race Street onto Second Street. Front Street and Second Street will be converted into two-way streets.	CON	PennDOT	\$85,540	\$276,000	\$361,540

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
5	120976	Linden Street Two-Way Conversion	The conversion of Linden Street to improve circulation and congestion by converting Linden Street from a one-way southbound street to a two-way street in the City of Bethlehem.	PE	PennDOT	\$206,000	\$0	\$206,000
28	85930	Lower South Main Street over Martins Creek	Replacement of the bridge carrying Route 1015 over Martins Creek in Washington Township, Northampton County.	CON	PennDOT	\$40,000	\$0	\$40,000
6	120951	All Weather Pavement Markers 2025	Installation of All Weather Pavement Markings at various locations in Lehigh and Northampton Counties.	CON	PennDOT	\$165,688	\$400,000	\$565,688
7	120949	High Friction Surface - 2025	Installation of high friction surface on Routes 412, 2014 and 8018 in City of Bethlehem and Lower Saucon Township.	CON	PennDOT	\$173,840	\$440,000	\$613,840
8	114344	Traffic Operations Center	This project funds an operator working in the Traffic Operations Center in District 5-0. The operator monitors cameras, message boards and radio systems along Interstate 78, Route 309, and Route 22 in Lehigh and Northampton Counties.	CON	PennDOT	\$49,941	\$150,059	\$200,000

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
9	110086	Urban Intelligent Transportation Systems Enhancements	Installation of Dynamic Message Signs (DMS) & Closed Circuit Television Cameras (CCTV) at various locations along Route 22, Interstate 78, Route 33 and Route 378 in Lehigh and Northampton Counties.	CON	PennDOT	\$120,000	\$0	\$120,000
10	113812	Main Street– 21st Street to Cherryville Road	Resurfacing Main Street from 21st Street to Cherryville Road in Northampton Borough.	CON	PennDOT	\$350,000	\$589,451	\$939,451
11	110174	Mauch Chunk Road Signal Upgrade	Improvements of the existing traffic signal operation at two existing intersections along Mauch Chunk Road in South Whitehall Township.	UTL	PennDOT	\$250,000	\$0	\$250,000
29	12286	Meadows Road Bridge Improvements	Bridge Improvements of Meadows Road Bridge, (County Bridge #15) over Saucon Creek in Lower Saucon Township.	CON	PennDOT	\$25,891	\$0	\$25,891
12	102312	Route 309 Resurfacing	Pavement restoration of Route 309 from Walbert Avenue to Shankweiler Road in North and South Whitehall Townships. This betterment work involves mill and overlay, concrete patching, guiderail upgrades and movement markings. Also included is the reconstruction of Orefield Road (Route 4003) and Route 309 intersection to accommodate truck turning movements and signal replacement.	FD	PennDOT	\$152,736	\$0	\$152,736

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
13	96431	Route 33 Bushkill Creek Bridge Replacements	Route 33 Northbound and Southbound bridge replacements over Bushkill Creek in Stockertown Borough.	CON	PennDOT	\$3,377,600	\$0	\$3,377,600
30	109914	Raubsville Road over Frey's Run	Replacement of the Raubsville Road (Route 2006) bridge over Freys Run in Williams Township.	CON	PennDOT	\$2,074,868	\$0	\$2,074,868
14	118070	Riverside Drive RAISE Grant	Convert approximately two miles of an abandoned railroad bed along the west side of the Lehigh River in Whitehall Township and the City of Allentown, from Lehigh Avenue to Furnace Street, to a complete two-lane street with an adjacent multi-use path. The multi-use path will continue north to connect to the existing Delaware and Lehigh Trail just north of Race Street. The project will also convert another 450 feet of an abandoned railroad bed between Hamilton Street and Union Street within the City of Allentown to complete the southern terminus of Riverside Drive. Proposed Riverside Drive will vary in width from 24 feet to 36 feet, providing one lane in each direction and allowing for turn lanes where warranted. The multi-use path will be 10 feet wide and located between Riverside Drive and the Lehigh River.	PE	PennDOT	\$725,000	\$0	\$725,000

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
15	86853	Route 248 Realignment	Realignment to straighten Route 248 and reduce the number of turning movements in the Borough, reduce traffic on Main Street between Bridge Street and Chestnut Street, and direct traffic away from the Downtown Historic Area. The length of Northampton Street up to its intersection with Main Street will be designated as Route 248.	CON	PennDOT	\$1,207,816	\$0	\$1,207,816
31	94680	South Walnut Street Bridge	Replacement of the bridge that carries South Walnut Street over Trout Creek in the Borough of Slatington.	ROW	PennDOT	\$480,000	\$0	\$480,000
31	94680	South Walnut Street Bridge	Replacement of the bridge that carries South Walnut Street over Trout Creek in the Borough of Slatington.	CON	PennDOT	\$4,247,718	\$3,806,906	\$8,054,624
16	116936	Route 191 Lower Nazareth Intersection Improvements	Improving signalization at the intersection of Nazareth Pike (Route 191) and Newburg Road (Route 3020) and the separate stop-controlled Y-intersection of Daniels Road (Route 946) at Nazareth Pike approximately 500 feet to the north in Lower Nazareth Township. Left turn lanes will be added at Newburg Road and Nazareth Pike and Route 946 will be realigned.	FD	PennDOT	\$67,421	\$748,330	\$815,751

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
17	114350	Route 22 Resurface, Bethman Road to 25th Street	Milling, concrete patching, binder course, wearing course, sawing and sealing, joint cleaning and sealing, guide rail, shoulder rumble strips, pavement markings, and other miscellaneous construction, for Route 22, in Bethlehem and Palmer Townships and Wilson Borough.	CON	PennDOT	\$89,153	\$0	\$89,153
32	120952	Route 248/Airport Road Intersection Improvements	Improving traffic signalization and other upgrades such as left turning lanes at intersection of Route 248 and Airport Road in East Allen Township.	PE	PennDOT	\$645,611	\$0	\$645,611
18	110183	Route 29 - Shimersville Hill Safety Improvements	Corridor safety improvements on Shimersville Hill (Route 29) from Buckeye Road to Route 100, including the removal and relocation of fixed objects, the widening of the roadway for left turn lanes, the installation of new signal equipment and signal interconnection between signals at Buckeye Road and Ramer Street. Will also include systematic signing and pavement marking upgrades in Upper Milford Township.	FD	PennDOT	\$146,421	\$0	\$146,421

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
18	110183	Route 29 - Shimersville Hill Safety Improvements	Corridor safety improvements on Shimersville Hill (Route 29) from Buckeye Road to Route 100, including the removal and relocation of fixed objects, the widening of the roadway for left turn lanes, the installation of new signal equipment and signal interconnection between signals at Buckeye Road and Ramer Street. Will also include systematic signing and pavement marking upgrades in Upper Milford Township.	UTL	PennDOT	\$81,673	\$0	\$81,673
18	110183	Route 29 - Shimersville Hill Safety Improvements	Corridor safety improvements on Shimersville Hill (Route 29) from Buckeye Road to Route 100, including the removal and relocation of fixed objects, the widening of the roadway for left turn lanes, the installation of new signal equipment and signal interconnection between signals at Buckeye Road and Ramer Street. Will also include systematic signing and pavement marking upgrades in Upper Milford Township.	ROW	PennDOT	\$1,170,000	\$0	\$1,170,000
33	85945	Route 512 over Brush Meadow Creek	Bridge replacement of Route 512 Washington Street over Brush Meadow Creek in Bangor Borough.	FD	PennDOT	\$23,420	\$0	\$23,420

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	Federal Funds Remaining	TIP-Programmed Federal Funding
19	120975	St. John Street Improvements	Roadway and pedestrian improvements along St. John Street in the City of Easton.	PE	PennDOT	\$215,412	\$212,000	\$427,412
NA	89055	Transportation Alternative/ Multimodal Project Management	Provides funding for a consultant contract to assist local sponsors in developing approved transportation enhancement/ alternative projects in Lehigh and Northampton Counties.	PE	PennDOT	\$236,948	\$150,052	\$387,000
NA	121551	Youth Bike Education- Community Bike Works	Bicycle education for children and teens in K-12 in the Lehigh Valley is offered through Earn-a-Bike and Junior Earn-a-Bike classes, as well as organized bike rides throughout the region in various municipalities in Lehigh and Northampton Counties.	CON	PennDOT	\$634,122	\$0	\$634,122

Total Deobligations for **HIGHWAY/BRIDGE ENHANCEMENTS/ GRANT PROJECTS**

October 1, 2024 through September 30, 2025

-\$7,563,600

Deobligated funds represent the amount a project came in under budget. These funds can be allocated for other projects. The deobligations may not reflect the current federal fiscal year obligations, and may have been from funds obligated several years prior as the project progressed through previous phases.

HIGHWAY/BRIDGE DEOBLIGATIONS

October 1, 2024 through September 30, 2025

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Deobligation	Federal Funds Remaining	TIP-Programmed Federal Funding
34	79554	Route 222 & Shantz Road & Route 863 Improvements	Improve safety, traffic operations and mobility at the Independent Road (Route 222/Route 863)/ Schantz Road (Route 3012) intersection through installation of a roundabout. Will include widening on Route 222, and eliminate the structural deficiency of the bridges on Schantz Road (Route 3012) and Route 222.	FD	PennDOT	\$37,212	\$0	\$0
34	79554	Route 222 & Shantz Road & Route 863 Improvements	Improve safety, traffic operations and mobility at the Independent Road (Route 222/Route 863)/ Schantz Road (Route 3012) intersection through installation of a roundabout. Will include widening on Route 222, and eliminate the structural deficiency of the bridges on Schantz Road (Route 3012) and Route 222.	ROW	PennDOT	-\$2,452,684	\$0	\$0
50	110055	Route 611 Culvert Replacement	Replacement of the South Delaware Drive (Route 611) culvert over a tributary to the Delaware River in Williams Township.	PE	PennDOT	-\$118,061	\$0	\$0

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Deobligation	Federal Funds Remaining	TIP-Programmed Federal Funding
35	111442	Allentown Jordan Creek Greenway Trail	Construction of Jordan Creek Greenway Trail segment in the City of Allentown, from Turner Street along the Jordan Creek to Sumner Avenue.	CON	PennDOT	-\$115	\$0	\$0
51	98094	Broad Street Nazareth Railroad Crossing	Safety improvements to upgrade railroad safety equipment where Route 191 crosses the track of Norfolk Southern Railway in the Borough of Nazareth. Work includes replacement of antiquated equipment with one mast arm and one cantilever to cover three lanes of southbound traffic.	CON	PennDOT	-\$193,896	\$0	\$0
36	117879	Cedar Crest Corridor Improvements Study	Corridor safety improvements study to include signal upgrades, widening, adding turn lanes, conversion of signalized intersections into roundabouts (where warranted) along Cedar Crest Boulevard from South Drive to Shrewsbury Road in South Whitehall Township. A corridor evaluation study will be performed during the study phase, which will include a Roadway Safety Audit. Recommendations in the phase will be used to determine alternatives to move ahead within the design phase.	S/P	PennDOT	-\$34,475	\$0	\$0

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Deobligation	Federal Funds Remaining	TIP-Programmed Federal Funding
52	11419	Chestnut Street over Norfolk Southern Railroad Bridge	Replacement of the bridge carrying Route 29 over the Reading Railroad in Upper Milford Township.	CON	PennDOT	-\$2,366	\$0	\$0
53	12310	Indian Trail Road over Hokendauqua Creek	Replacement of the bridge carrying Indian Trail Road (Route 3016) over Hokendauqua Creek in Allen Township.	CON	PennDOT	-\$1,006,306	\$0	\$0
37	11981	Linden Street Improvements	Selective highway reconstruction and paving of Linden Street (Route 3015) from Elizabeth Avenue to Brodhead Road within the City of Bethlehem and Bethlehem Township. The proposed roadway improvements include mill and overlay throughout the corridor with select sections of base repair. Will also include Americans with Disabilities Act (ADA) ramps updated to current standards, traffic signal updates, signal retiming, pedestrian crossing improvements, signing and pavement marking improvements, and drainage improvements.	FD	PennDOT	-\$127,600	\$0	\$0

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Deobligation	Federal Funds Remaining	TIP-Programmed Federal Funding
37	11981	Linden Street Improvements	Selective highway reconstruction and paving of Linden Street (Route 3015) from Elizabeth Avenue to Brodhead Road within the City of Bethlehem and Bethlehem Township. The proposed roadway improvements include mill and overlay throughout the corridor with select sections of base repair. Will also include Americans with Disabilities Act (ADA) ramps updated to current standards, traffic signal updates, signal retiming, pedestrian crossing improvements, signing and pavement marking improvements, and drainage improvements.	UTL	PennDOT	-\$41,884	\$0	\$0
38	114342	All Weather Pavement Markers 2021	Installation of all weather pavement markings in various locations throughout Lehigh and Northampton Counties.	CON	PennDOT	-\$34,460	\$0	\$0
39	117521	All Weather Pavement Markers 2023	Installation of all weather pavement markings at various locations in Lehigh and Northampton Counties.	CON	PennDOT	-\$80,348	\$0	\$0
40	116659	High Friction Surface - 2023	Application of epoxy high friction surface treatment with bauxite aggregate to various locations in Lehigh and Northampton Counties.	CON	PennDOT	-\$31,511	\$0	\$0

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Deobligation	Federal Funds Remaining	TIP-Programmed Federal Funding
41	119413	LVTS Vulnerable Road User Project - Tier 1	Implementation of a systemwide safety improvement for Vulnerable Road User by implementing pedestrian countdown timers on various routes in Lehigh and Northampton Counties.	PE	PennDOT	-\$100,206	\$0	\$0
42	96387	MacArthur Road Resurface	This partial design/build project involves mill and overlay of MacArthur Road (Route 145) from a quarter-mile south of Grape Street to Main Street (Route 329), including pavement markings, crack-seal, guide rail updates and concrete ADA ramps in Whitehall Township.	CON	PennDOT	-\$236,539	\$0	\$0
43	101560	Nazareth Pike Resurface	Milling, base repair, ADA ramps, resurfacing and new pavement markings on Route 191 from Newburg Road in Lower Nazareth Township to North New Street in Nazareth Borough.	CON	PennDOT	-\$134,269	\$0	\$0
54	85941	Newburg Road over E. Branch Monocacy Creek	Replacement of the bridge that carries Newburg Road (Route 3020) over the East Branch of Monocacy Creek in Upper Nazareth Township.	ROW	PennDOT	-\$74,009	\$0	\$0

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Deobligation	Federal Funds Remaining	TIP-Programmed Federal Funding
55	110058	Old Carriage Road Bridge Replacement	Replacement of the Old Carriage Road (Route 3018) bridge over a tributary of the Catasauqua Creek in East Allen Township.	ROW	PennDOT	-\$38,610	\$0	\$0
55	110058	Old Carriage Road Bridge Replacement	Replacement of the Old Carriage Road (Route 3018) bridge over a tributary of the Catasauqua Creek in East Allen Township.	CON	PennDOT	-\$52,747	\$0	\$0
44	102311	Route 100 Reconstruction	Roadway reconstruction Route 100 from Industrial Boulevard to Tilghman Street in Upper Macungie Township. The work will include overlay on the Interstate 78 ramps.	ROW	PennDOT	-\$112,843	\$0	\$0
44	102311	Route 100 Reconstruction	Roadway reconstruction Route 100 from Industrial Boulevard to Tilghman Street in Upper Macungie Township. The work will include overlay on the Interstate 78 ramps.	CON	PennDOT	-\$725,521	\$0	\$0
45	121093	Route 309 & Tilghman Interchange Demolition	Demolition of properties needed for the Route 309 and Tilghman Street Interchange project in South Whitehall Township.	CON	PennDOT	-\$92,920	\$0	\$0

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Deobligation	Federal Funds Remaining	TIP-Programmed Federal Funding
46	96431	Route 33 Bushkill Creek Bridges	Route 33 Northbound and Southbound bridge replacements over Bushkill Creek in Stockertown Borough.	PE	PennDOT	-\$205,735	\$0	\$0
56	108134	Race Street over Lehigh River Rehabilitation	Precast deck replacement and rehabilitation of the Route 1004 (Race Street) bridge over the Lehigh River in Whitehall Township and in the Borough of Catasauqua.	ROW	PennDOT	-\$29,160	\$0	\$0
57	12084	Richmond Bridge Replacement	Replacement of the bridge that carries Route 611 over Oughoughton Creek in Washington Township.	PE	PennDOT	-\$174,007	\$0	\$0
47	101571	Route 512 Resurface South Main Street to Route 611	Resurfacing Bill Scott Boulevard, Central Avenue and Mount Bethel Highway (Route 512) from Main Street in Bangor through East Bangor to Route 611 in Upper Mount Bethel Township.	CON	PennDOT	-\$15,000	\$0	\$0
48	96385	Route 22 Resurface 15th Street to Route 309	Resurfacing of Route 22 from Route 309 to 15th Street in Whitehall and South Whitehall Townships.	CON	PennDOT	-\$712,880	\$0	\$0

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Deobligation	Federal Funds Remaining	TIP-Programmed Federal Funding
49	79468	Williams Township Canal Wall Replacements	Replacement of the retaining wall supporting Route 611 alongside the Delaware Canal in Williams Township. Will include the full depth pavement reconstruction of northbound and southbound Route 611 in the area of the newly constructed wall, as well as the installation of new guiderail, where applicable. A temporary traffic signal controlled, single lane pattern will be implemented during the construction.	CON	PennDOT	-\$609,428	\$0	\$80,000
58	94682	Wire Mill Bridge	Replacement/rehabilitation of the Wire Mill Bridge that carries Lehigh Street (Route 145) over the Little Lehigh Creek in the City of Allentown.	CON	PennDOT	-\$88,810	\$0	\$0

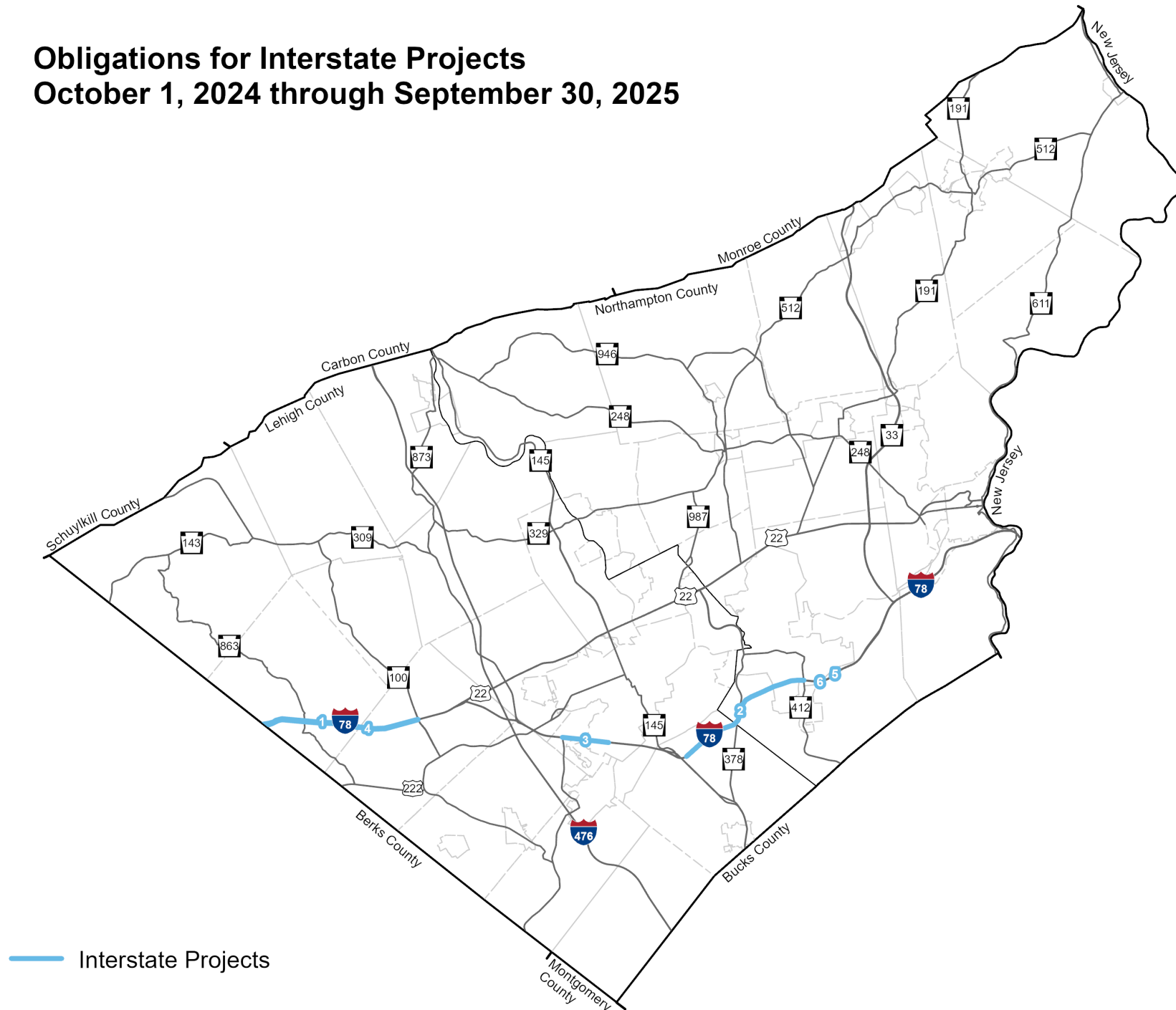
Total Obligations for **PENNDOT INTERSTATE PROJECTS**

October 1, 2024 through September 30, 2025

\$5,603,640

The following \$5,603,640 in Obligated Interstate Projects are for projects located on Interstate 78 that are programmed on the State Transportation Improvement Program (STIP). These projects are programmed by PennDOT Central Office and are reported to the LVTS as a point of information and to meet federal guidelines for the PennDOT Interstate Management Program.

Obligations for Interstate Projects October 1, 2024 through September 30, 2025



INTERSTATE OBLIGATIONS

October 1, 2024 through September 30, 2025

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	TIP-Programmed Federal Funding
5	75849	Dual Bridges over Easton Road	Engineering study for substructure conditions on dual structures that carry Interstate 78 over Route 2006 in Lower Saucon Township.	FD	PennDOT District 5	\$0	\$0
6	75849	Dual Bridges over Easton Road	Engineering study for substructure conditions on dual structures that carry Interstate 78 over Route 2006 in Lower Saucon Township.	CON	PennDOT District 5	\$0	\$10,609,000
4	92780	Interstate 78 Reconstruction	Full reconstruction of Interstate 78 from the Berks County Line to Route 100 Interchange with ramps reconfiguration, including drainage system improvements, guide rail updates, safety barriers, signing, pavement marking, delineators and truck climbing lanes, in Weisenberg and Upper Macungie Townships.	PE	PennDOT District 5	\$0	\$0

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Obligation	TIP-Programmed Federal Funding
NA	120146	Districtwide Interstate Concrete Patching	Isolated concrete patching of failed slabs on Interstate 78 in Northampton County, Interstate Interstate 76 in Berks County, and Interstates 80 and 380 in Monroe County.	CON		\$4,740,600	\$4,740,600
1	120648	Interstate Berks County Line to Route 100 Patching	Patching of failed slabs and resurfacing of eastbound and westbound lanes of Interstate 78 from Berks/ Lehigh County Line to the Route 100 Interchange in Weisenberg and Upper Macungie Townships.	CON		\$863,040	\$863,040

INTERSTATE DEOBLIGATIONS

October 1, 2024 through September 30, 2025

Map ID	MPMS #	Project Title	Project Description	Phase	Project Administrator/ Owner	Deobligation	TIP-Programmed Federal Funding
2	72822	Interstate 78 Eastbound - Route 309 S to Saucon Viaduct Alkali- Silica Reaction	The treatment of rough pavement along eastbound mainline and shoulders of Interstate 78 with Ultra Thin Bonded Wearing Course and Stone Matrix Asphalt overlay, bituminous milling, concrete patching, guiderails, reflective tape pavement markers, line painting and bridge preservation activities, along with other miscellaneous construction items, in Upper and Lower Saucon Townships and the City of Bethlehem.	CON	PennDOT District 5	-\$1,380,535	\$0
3	11551	Interstate 78 in Lehigh County Improvements	Roadway improvements from Cedar Crest Boulevard to Lehigh Street, in Salisbury Township and the City of Allentown.	CON	PennDOT District 5	-\$890,128	\$0

Total Obligations for **LANTA TRANSIT PROJECTS**

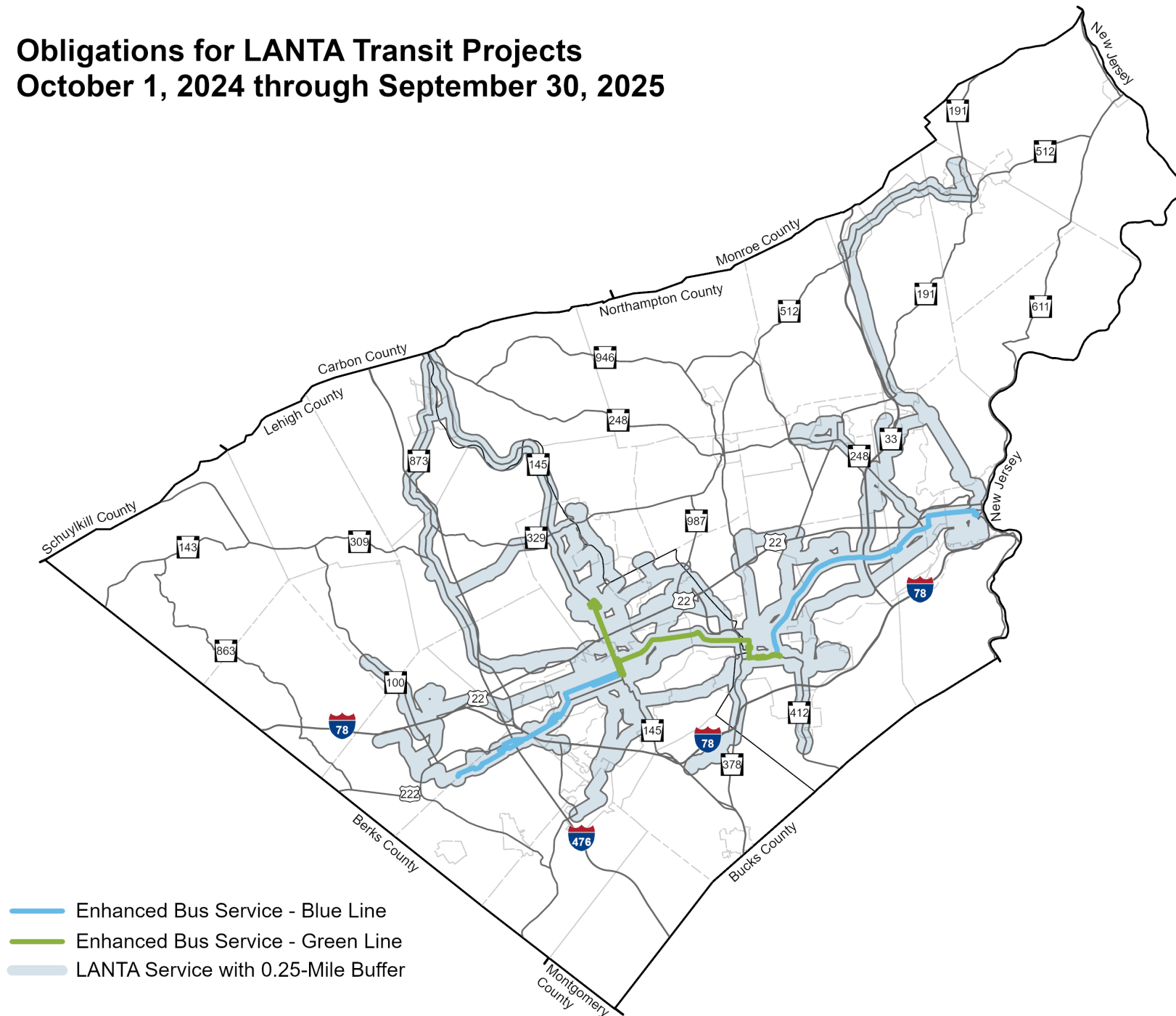
October 1, 2024 through September 30, 2025

\$2,031,823

The Lehigh and Northampton Transportation Authority (LANTA) was the recipient of \$2,031,823 in Federal Transit Administration (FTA) funding obligations for various public transit grants that were awarded. These funding obligations differ from the FHWA obligations for highway, bridge and enhancements/grant projects. These Transit funding categories and authorizations ensure safe and efficient public transit for the Lehigh Valley as a whole. LANTA's services are to meet basic transportation needs, support desired economic and environmental goals, and appeal to an increasing number of people. Services are to be comprised of a range of types, provided directly or through contract. The Transit Obligations through FTA grants awarded to LANTA help provide these services and ensure a safe and efficient public transit system for the Lehigh Valley.

Obligations for LANTA Transit Projects

October 1, 2024 through September 30, 2025



TRANSIT OBLIGATIONS

October 1, 2024 through September 30, 2025

MPMS #	Project Title	Project Description	Project Administrator/ Owner	Obligation	TIP- Programmed Federal Funding
95008	Revenue Rolling Stock - 30-Foot Buses	Acquiring seven buses to provide shared ride service.	LANTA	\$626,994	\$0
95008	Revenue Rolling Stock - 30-Foot Buses	Acquiring three buses to provide shared ride service.	LANTA	\$536,592	\$0
95183	Bus Passenger Shelters	Bus Passenger Shelters	LANTA	\$128,042	\$32,842
110172	Easton Garage Gate Reader	Easton Garage Gate Reader	LANTA	\$5,504	\$1,264
110172	Allentown Garage Gate Reader	Allentown Garage Gate Reader	LANTA	\$5,800	\$0
110172	Allentown Gate Replacement	Allentown Gate Replacement	LANTA	\$13,804	\$0
110172	Easton Garage Tire Mounting Equipment	Easton Garage Tire Mounting Equipment	LANTA	\$16,450	\$0

MPMS #	Project Title	Project Description	Project Administrator/ Owner	Obligation	TIP- Programmed Federal Funding
95178	Fixed Route Scheduling Software	Fixed Route Scheduling Software	LANTA	\$19,752	\$0
110172	Easton Garage Security Camera Additions	Easton Garage Security Camera Additions	LANTA	\$21,320	\$0
110172	Allentown HQ Interior Door Access Controls	Allentown Headquarters Interior Door Access Controls	LANTA	\$12,520	\$2,200
110172	Bethlehem Transportation Center (BTC) Door Access Control	Bethlehem Transportation Center (BTC) Door Access Control	LANTA	\$5,769	\$0
95178	Masabi Fare Collection Project	Masabi Fare Collection Project	LANTA	\$359,432	\$65,140
110172	Maintenance Department Tablets for AssetWorks	Maintenance Department Tablets for AssetWorks	LANTA	\$2,620	\$2,620
110171	2017 Buses - Operator Seat Replacement	2018 Buses - Operator Seat Replacement	LANTA	\$36,467	\$0
110171	2018 Buses - Operator Seat Replacement	2019 Buses - Operator Seat Replacement	LANTA	\$21,792	\$0
110172	Allentown Fuel Tank Monitoring Upgrade	Allentown Fuel Tank Monitoring Upgrade	LANTA	\$20,745	\$1

MPMS #	Project Title	Project Description	Project Administrator/ Owner	Obligation	TIP- Programmed Federal Funding
110172	Allentown Bus Wash Update	Allentown Bus Wash Update	LANTA	\$27,520	\$0
95178	Token Transit Fare Collection	Token Transit Fare Collection	LANTA	\$40,320	\$0
95178	South Bethlehem Transit Center Digital Display	South Bethlehem Transit Center Digital Display	LANTA	\$15,180	\$0
110171	Associated Capital Maintenance Items	Associated Capital Maintenance Items	LANTA	\$115,200	\$28,967



Lehigh Valley Transportation Study

CONCLUSION

Accomplishment + Annual Obligated Projects

The Accomplishments + Annual Listing of Obligated project is a product of the continuing, comprehensive and cooperative process of the LVTS, FHWA, FTA and other transportation stakeholders including the general public. This process is the foundation of the region's Long-Range Transportation Plan/Metropolitan Transportation Plan and Transportation Improvement Program which leads to projects being obligated or accomplished in this report.

Federal investments, or obligations, of \$53,754,280 were committed to 41 Highway, Bridge, and Enhancements/Grant projects during the federal fiscal year of 2025. During the same period, \$7,563,600 was deobligated, or saved, on 29 projects that came in under budget, enabling those funds to be committed to other approved projects in the region. Investments, or obligations, of \$5,603,640 were committed to five Interstate 78 projects, through the Interstate Management Program for projects that were included on the State Transportation Improvement Program. During the same period, \$2,260,663 was deobligated on two interstate projects in the region. In addition, another \$401,659,004 in projects remain under construction. Finally, \$2,031,823 was obligated to the Lehigh and Northampton Transportation Authority (LANTA) public transit operation through the Federal Transit Administration to ensure and equitable and robust public transportation system regionwide.

All together, these investments show a continuing federal and state commitment to maintaining the transportation network of a region of more than 700,000 people.



GLOSSARY

Activity Line Item (ALI) is the Federal Transit Administration (FTA) coding for specific activities related to grants and funding of transit projects and operations.

Agency Name identifies the public transportation agency responsible for administering and implementing projects sourced with public transportation funding streams.

Annual Listing of Obligated Projects (ALOP) is a federally required listing of highway, bridge and transportation projects, including investments in pedestrian walkways and bicycle infrastructure transportation facilities, for which federal funds have been obligated in the preceding year, which shall be published or otherwise made available by the cooperative effort of state, transit operators and metropolitan planning organizations for public review. In accordance with regulations 23 U.S.C. 134 (j)(7)(B), 49 U.S.C. 5303 (j)(7)(B) or 23 CFR §450.334.

Category describes the type of project.

- **Highways** are roadway projects that restore an existing highway to an acceptable condition or improves the roadway through the following types of work: pavement resurfacing, widening, shoulders, alignments, stormwater management, guiderails and other infrastructure.
- **Bridges** are projects related to elevated structures carrying modes of transportation over another physical feature such as another roadway, natural features such as a river or other transportation facilities such as rail lines.
- **Enhancements/Grants** are projects that received competitive grant awards for alternative transportation projects and improvements. They may also involve substantial grants awarded to projects from federal competitive grant award(s) that must be reported by the LVTS and the Annual Listing of Obligated Projects.
- **All** are generally line-item projects that support all aspects of transportation projects Highway, Bridge and Enhancements / Grants.

CMAQ is Congestion Mitigation and Air Quality.

Congressional District is a territorial division of a state from which a member of the United States House of Representatives is elected.

County is the geographic county in which the project is taking place. Specific locations are geographically categorized by PennDOT. All projects for LVTS are of regional importance to both Lehigh and Northampton Counties identified during collaboration through the project selection process during TIP development.

Deobligations represent the amount of federal authorizations no longer need for a specific phase of a project during federal fiscal year 2025. These funds may be reallocated to other regional projects that meet the funding criteria.

Federal Fiscal Year is the calendar timeframe from October 1, 2024 through September 30, 2025.

Federal Funds Awarded is the amount of funding associated with a specific public transit project or task for a certain time period.

Federal Fund Category is funding associated with specific tasks related to implementation of various public transit projects.

Federal Funding Code is the numerical number for a specific fund category related to public transit funding

Federal Funds Remaining is the amount of funding remaining not obligated to a prior phase or year(s) from the overall allocation of funding for the project.

Federal Transit Funding Codes

- **5339 Funds** are Federal grants to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities, including technological changes or innovations to modify low or no emission vehicles or facilities.
- **5307/5340 Funds** are funds for transit capital and operating assistance in urbanized areas and for transportation related planning
- **5310 Funds** provide formula funding to states and designated recipients to meet the transportation needs of older adults and people with disabilities when the public transportation service provided is unavailable, insufficient, or inappropriate to meeting the needs of these individuals.

FHWA is the Federal Highway Administration.

FTA is the Federal Transit Administration.

FTA Grant Number is the Federal Transit Administration Identification number for a specific grant allocation source.

ITS are intelligent transportation systems.

LANTA is the Lehigh and Northampton Transportation Authority.

LVTS is the Lehigh Valley Transportation Study, the federally designated Metropolitan Planning Organization for Lehigh and Northampton Counties.

Map Identification Number represents the location number on the map depicting the location of the project.

MPMS is the project identification number in the PennDOT Multimodal Project Management System for locating, tracking and reporting on the status of phases of various projects.

MPO is the Metropolitan Planning Organization, an organization created and designated to carry out the metropolitan transportation planning process. MPOs are required to represent localities in all urbanized areas (UZAs) with populations over 50,000, as determined by the U.S. Census.

Municipality is the county, city, town, borough, or township of the Commonwealth of Pennsylvania associated with the project general location.

Obligations represent federal authorizations to proceed with specific project phases for the federal fiscal year of 2025.

Obligated Federal Amount FFY 2025 is the amount obligated towards public transportation for a specific project or task during Federal Fiscal Year 2025.

OTH-Flex CMAQ are funds provided by LVTS to the public transit operator LANTA utilizing CMAQ funding to support various public transit projects.

PennDOT is the Pennsylvania Department of Transportation.

PennDOT District is the PennDOT engineering District in which the project is taking place. PennDOT District 5-0 is the engineering district that encompasses Lehigh and Northampton counties for the LVTS.

Performance Based Planning and Programming (PBPP) is a process focused on collaboration between PennDOT, FHWA, and MPOs at the county and regional levels.

Performance Measures are adopted metrics for evaluating various transportation aspects related to safety, mobility, infrastructure condition and air quality.

- **PM1:** Safety
- **PM2:** Asset Condition
- **PM3:** Mobility and Congestion Mitigation and Air Quality (CMAQ)

Phase of Work is the list of phases associated with a particular project that is on the Transportation Improvement Program (TIP).

Not every project will have every phase of a project. However, generally, the projects will have several of the following phases:

- **Study/Planning (S/P)** – In this phase, a general overview or analysis is performed to identify elements for improvements to an identified project. This phase can be for corridors, potential connections and for enhancing and improving the projected need of a transportation asset.
- **Preliminary Engineering (PE)** – In this phase, a preliminary field survey, utility location, environmental/historical studies, road design alternatives, drawings, final field inspections, and initial public engagement are done. This process can take a few months to several years to complete.
- **Right-of-Way (ROW)** – This is the portion of the project in which negotiations with property owners take place, payments are made, and arrangements with utility companies are finalized to obtain the land necessary for the project. Right-of-Way work does not begin until most of the Preliminary Engineering steps are complete.
- **Utilities (UTL)** – In this phase, ownership of existing or potential new utilities are identified. Coordination of infrastructure that may need to be relocated or otherwise changed to accommodate the project are done with the entities responsible for various utilities. Electric, telecommunications and pipelines are examples of utilities.
- **Final Design (FD)** – is the phase that identifies project-related improvements, materials, quantities and activities. The plans must include sufficient detail to inform project stakeholders (designers, reviewers, contractors, suppliers, etc.) of the actions required to advance the project from design through completion of construction and to satisfy permit conditions. Final Design Plans must also provide reasonable information needed by the contractor to submit a sound, equitable bid and to build the project to PennDOT's standards.
- **Construction (CON)** – In this phase, the project is advertised to prospective contractors for bids. Once the bids are opened and a contract is awarded, construction can begin.

Program Total is the overall cost associated and programmed for a project on the Transportation Improvement Program (TIP). Entries that contain “0” are for projects that were deobligated funds and had no obligations associated with it.

Projects Administrator/Owner is the agency responsible for implementation of the project/owner of the project location or structure.

Project Title is the name assigned to the project.

Project Description provides details and the intent of the project as applicable.

Public Narrative is a version of the Project Description simplified.

Requested Federal Amount FFY 2025 is the amount of funding requested by the public transit operator for Federal Fiscal Year 2025 projects and tasks.

State Match are Commonwealth of Pennsylvania funds to match certain federal funding requirements.

State Route (SR) is the State Route identification number of a PennDOT owned or supported roadway associated with the project if applicable.

Sub-Recipient is the public transportation provider receiving the transit funds

TIP is the Transportation Improvement Program.

Transportation Improvement Program (TIP) is a list of transportation projects—covering a period of at least four years. The TIP must be developed in cooperation with the MPO, state and public transit providers. The TIP should include capital and non-capital surface transportation projects, bicycle and pedestrian facilities and other transportation enhancements to address various Transportation Performance Management requirements.

Transportation Performance Management is a strategic approach that uses transportation system information to make investment and policy decisions to achieve national transportation performance goals for safety, asset condition and mobility / air quality. (see Performance Measures)

Becky A. Bradley, AICP
Executive Director

David Cohen, AICP
Director of Regional Planning

Tracy L. Oscavich
Director of Administration

Susan Myerov, AICP
Director of Environmental Planning

Samantha Pearson
Director of Development

Vicki Weidenhammer
Controller

Matt Assad
Managing Editor

Denjam Khadka
Senior Civil/Environmental Engineer

Subham Kharel, PhD
Senior Data and Analytics Planner

Geoffrey A. Reese, PE
Master Planner and Engineer

Jill Seitz
Chief Community and Regional Planner

Faria Urmey, AICP, CNU-A, LEED AP
Regional Plan Program Manager

Chris Embert
Creative Manager

Minsoo Park
Economist

Giovanna Rizkallah
*Artificial Intelligence (AI) Engineer
and Innovation Planner*

Evan Gardi
Transportation Planner

Peter Lantz
Environmental Engineer

Taylor Beasley
*Graphic Design and
Publications Coordinator*

Mary Grace Collins
Community and Regional Planner

Mackenzie Geisner
Geographic Information Systems (GIS) Planner

Clay Karnis
Geographic Information Systems (GIS) Planner

Christian Martinez
Environmental Planner

Hannah Milagio
*Regional Planner for
Community Engagement*

Corinne Ruggiero, SEO
Environmental Planner

Jacob Weinberg
Community and Regional Planner



**615 Waterfront Drive
Suite 201
Allentown, PA 18102**

(610) 264-4544

www.lvpc.org

planning@lvpc.org

Follow Us on Social Media
@lvpcommish

