

Reading Area Transportation Study

ANNUAL LIST OF OBLIGATED PROJECTS FOR FEDERAL FISCAL YEAR 2022

December, 2022



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The contents of this report reflect the views of the authors who are responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official policies of either the U.S. Department of Transportation, Federal Highway Administration (FHWA), Federal Transit Administration (FTA) or the Commonwealth of Pennsylvania at the time of publication. This report does not constitute a standard, specification or regulation.

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Annual List of Obligated Projects for Federal Fiscal Year 2022

Purpose of this Report

In accordance with the Fixing America's Surface Transportation (FAST Act) legislation, this document will identify the projects that received obligated federal funding during the Federal Fiscal Year (FFY) October 1, 2021 to September 30, 2022. The Federal Highway Administration defines 'obligated' as "the Federal government's promise to pay a State for the Federal share of a project's eligible cost." These funds are typically a portion of the overall project cost. The overall funded project cost generally consists of Federal funds and funds matched from other sources obtained by the State or local project sponsor. In some instances, the obligated funds for a project become deobligated as a result of lower than expected costs, project removal or withdrawal, and other factors. The FHWA defines 'deobligation' as "the downward adjustment or cancellation and removal of a previously recorded Federal fund obligation associated with a project." The deobligated funds are then reapportioned to other projects. Deobligation amounts in all tables throughout this document are identified in red and parentheses.

Figures included in this report only apply federal dollars to referenced projects. Projects may also include state and/or local funding that is not reflected in project totals.

As an outgrowth of developing the statewide financial guidance during the FFY 2007 Program update, an Interstate Management Program was recommended and eventually agreed to by the planning partners. This program is centrally managed by PennDOT and sets aside annual funding to address statewide Interstate highway and bridge projects. Interstate Management Program funds assigned to a region are separate and in addition to those used in developing the regional TIP. No interstate projects are included in this report.

The FFY 2022 Transit Annual List of Obligated Projects table is located at the end of this document.

Reading Area Transportation Study MPO

The Reading Area Transportation Study (RATS) Coordinating Committee is the designated Metropolitan Planning Organization (MPO) for transportation in Berks County. RATS facilitates the regional, performance-based planning process that serves as the basis for spending state and federal transportation funds for improvements to streets, highways, bridges, public transit, bicycle and pedestrian networks allocated to Berks County. RATS is currently responsible for prioritizing approximately \$75 million annually to advance transportation improvement projects throughout the county.

To receive federal funding, transportation projects must be identified in the Long Range Transportation Plan (LRTP). The LRTP examines socioeconomic trends that affect travel, the current state of the county transportation network, and describes multimodal transportation strategies to address identified transportation needs. The plan outlines the region's long-range transportation vision and projects the transportation needs of the county through the year 2045. The plan must be updated every four years and must project at least 20 years into the future to meet federal requirements.

RATS also approves the Transportation Improvement Program (TIP) which is the capital-funding program that contains all surface transportation projects eligible for federal funding that are programmed for implementation over the next four years. Projects scheduled in the TIP were first identified in the LRTP

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as projects that would impact transportation needs in the county. The most recently adopted TIP (FFY 2023-2026, locally approved July 14, 2022) was approved by FHWA/FTA on September 29, 2022. The TIP lists 131 projects totaling \$303.2 million for highway, bridge, and transit projects over the four-year period from 2023 to 2026. The obligated funds identified within this plan were programmed while the previous TIP was in effect. The previous TIP, effective October 1, 2020 through September 30, 2022, identified 128 projects totaling \$274.8 million for highway, bridge, and transit projects.

In addition to the material included in the TIP, PennDOT created an internet-based mapping tool that allows interested parties to view the projects included in the TIP and to obtain more information about a proposed project. Users may zoom in or out to view project locations. Clicking on the project link provides a pop-up screen giving project specific information. To view this tool, click here or type/paste the following address in your browser: <https://gis.penndot.gov/OneMap>. To view the most recent TIP for Berks County, select the Area of Interest as Berks County. Select Planning for the Category. Finally, choose TIP Map as the Map Template.

Public Involvement

RATS continually strives to actively engage public participation in every aspect possible of the transportation planning process. In July, 2017, RATS adopted a Public Participation Plan that details strategies and procedures to ensure specific opportunities exist for the public to offer input and provide feedback as active participants in the decision-making process. RATS uses a wide range of methods and media to enhance the public's participation in the process. An update to the Public Participation Plan will occur in 2023.

Codes and Abbreviations

A variety of codes and abbreviations are used to describe both the phase of work and the funding source of a project. The following identifies and describes the codes used in the FFY 2022 Annual Obligated Funds table at the end of this document.

Phase of Work

| | |
|-------|--------------------------|
| CON | Construction |
| FD | Final Design |
| PE | Preliminary Engineering |
| ROW | Right-of-way Acquisition |
| STUDY | Traffic Study |
| UTL | Utility |

Other Definitions

MPMS – Multimodal Project Management System number

Project Title – the name given to a project

Phase – the stage of work for a project

Annual List of Obligated Projects for Federal Fiscal Year 2022

SR – State Route number

SEC – the section of the route

Obligation* FFY 2022 – the amount of obligated federal funds associated for the project during FFY 2022

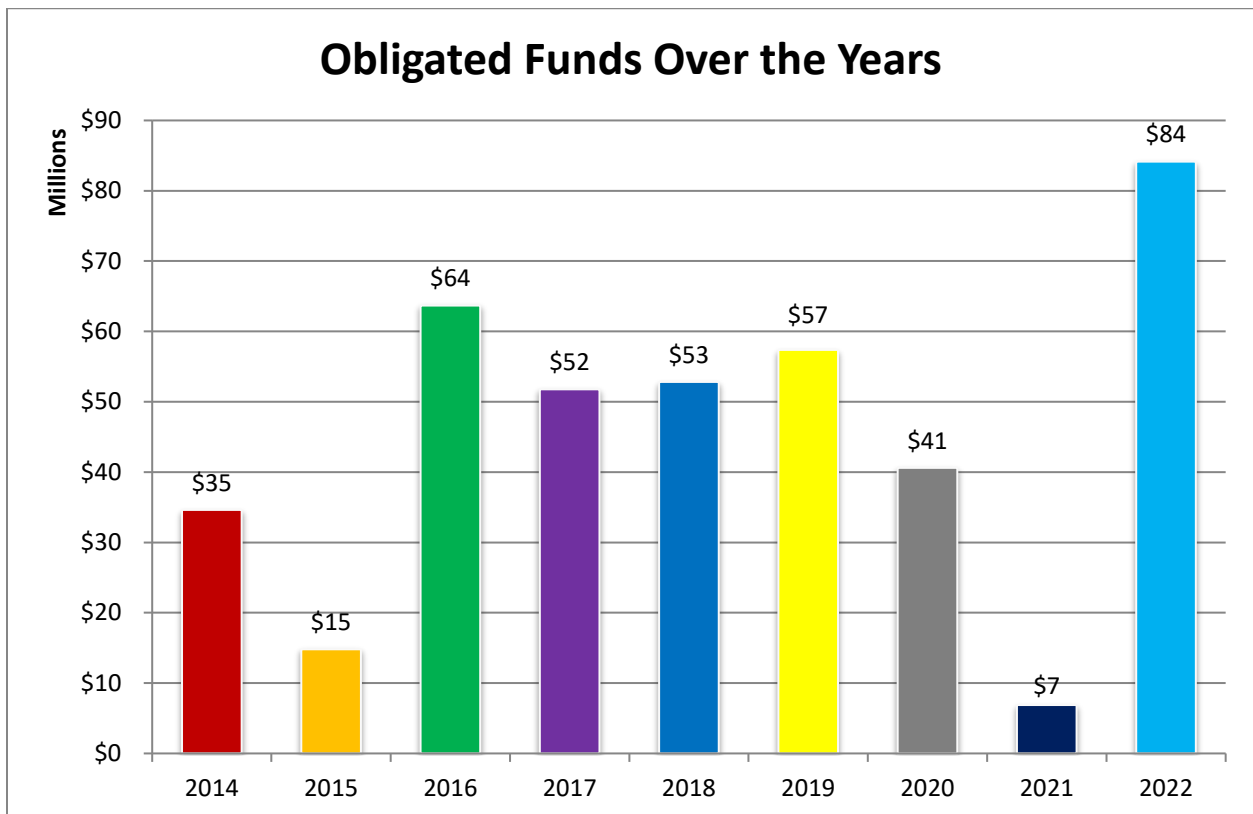
Prog. Total FFY 2021-2024 – the amount of money programmed on the TIP over the identified years for a project

Fed. Funds Remaining – amount of federal funding for a project for subsequent years

Project Description – the brief project description from MPMS

Summary of Obligated Funds over FFY 2014 - 2022

The chart and table below show the obligation/deobligation amounts and the number of highway and bridge projects funded for Federal Fiscal Years 2014-2022. The total obligated funds for FFY 2022 were \$87,360,744 with deobligations totaling **\$(3,214,244)**.

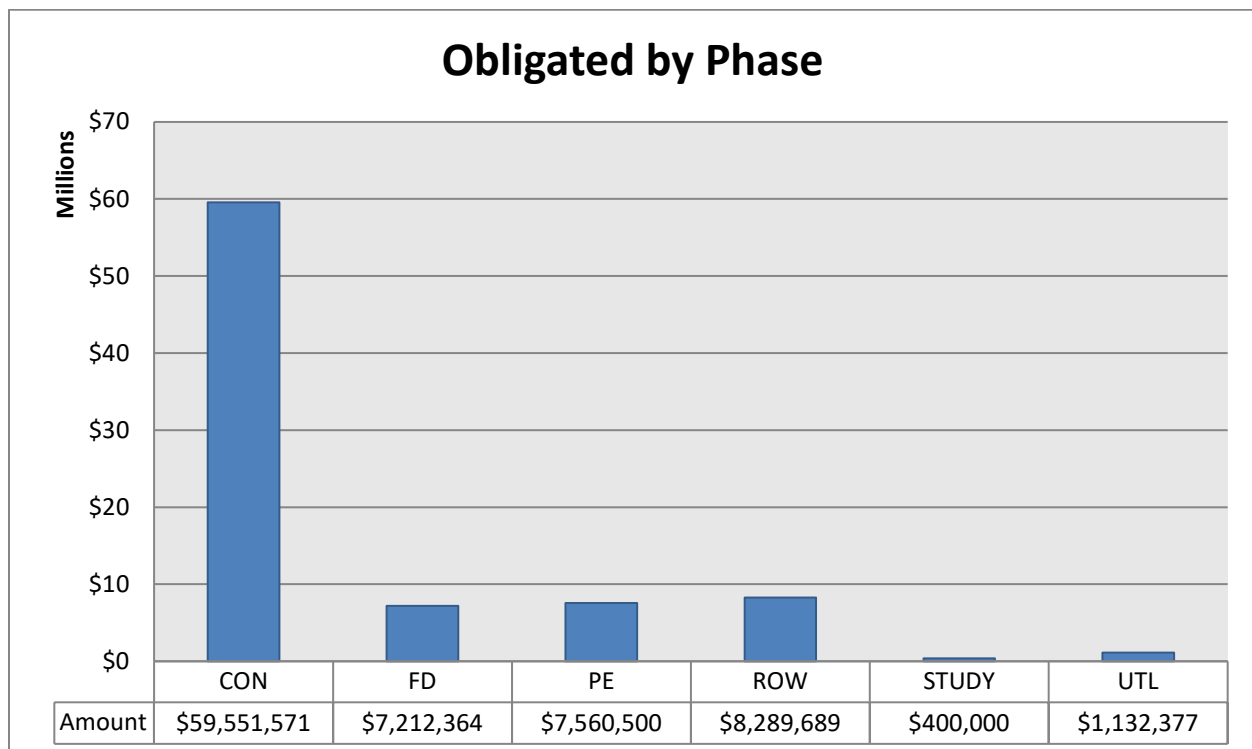


Annual List of Obligated Projects for Federal Fiscal Year 2022

| Year | Obligated Funds | Number of Projects |
|----------|-----------------|--------------------|
| FFY 2014 | \$34,624,159 | 65 |
| FFY 2015 | \$14,805,277 | 49 |
| FFY 2016 | \$63,679,793 | 56 |
| FFY 2017 | \$51,770,076 | 65 |
| FFY 2018 | \$52,822,224 | 58 |
| FFY 2019 | \$57,373,838 | 63 |
| FFY 2020 | \$40,603,657 | 57 |
| FFY 2021 | \$6,882,387 | 53 |
| FFY 2022 | \$84,146,500 | 63 |

Summary of Obligated Funds by Project Phase

The majority of highway and bridge obligated funds were for the Construction phase for projects in FFY 2022.

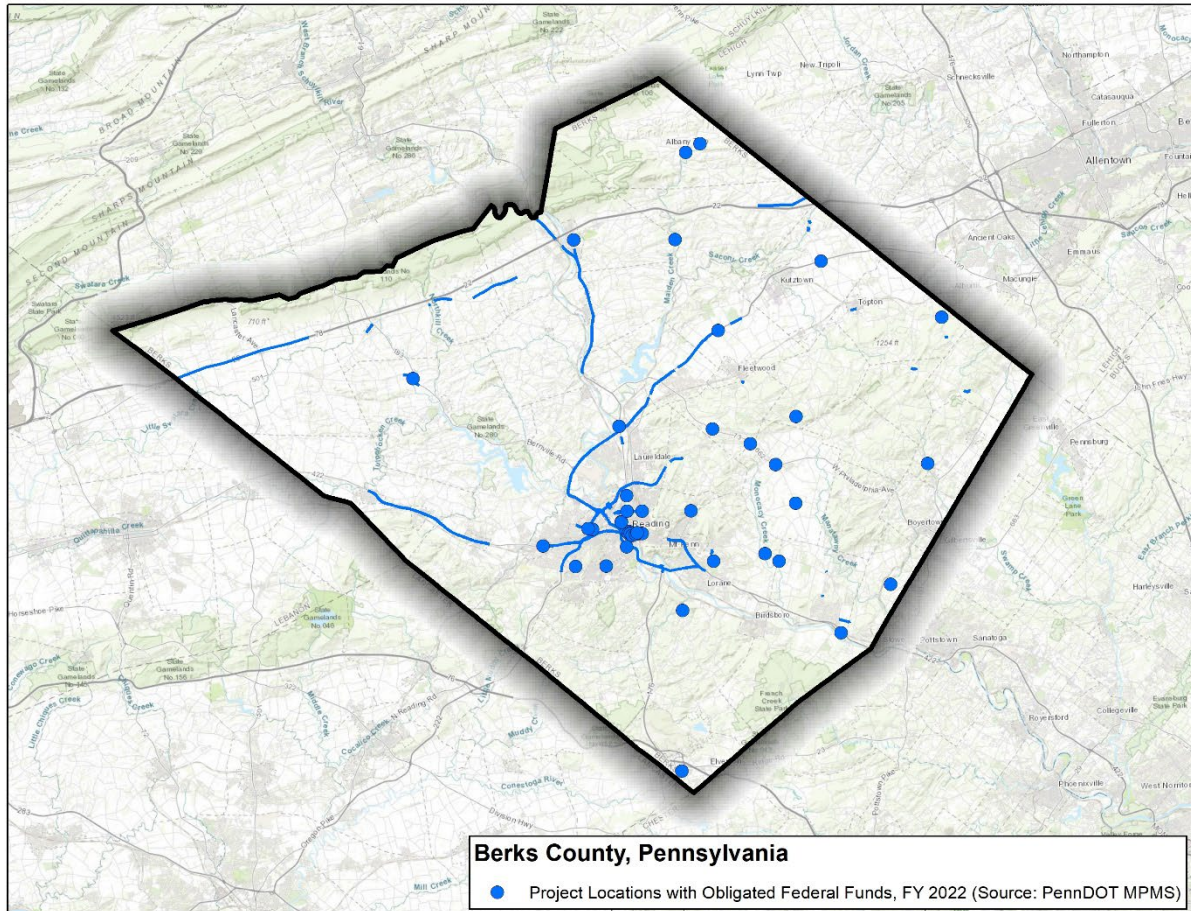


| Phase | Obligated Amount | Number of Projects |
|-------|------------------|--------------------|
| CON | \$59,551,571 | 33 |
| FD | \$7,212,364 | 9 |
| PE | \$7,560,500 | 15 |
| ROW | \$8,289,689 | 15 |
| STUDY | \$400,000 | 1 |
| UTL | \$1,132,377 | 5 |

Annual List of Obligated Projects for Federal Fiscal Year 2022

Project Locations

The map below identifies the distribution of mappable projects across Berks County that received Obligated Federal Funds in FFY 2022.



FFY 2022 HIGHWAY AND BRIDGE ANNUAL LIST OF OBLIGATED PROJECTS

| MPMS | PROJECT TITLE | PROJECT DESCRIPTION | PROJECT ADMINISTRATOR | PHASE | STATE ROUTE | OBLIGATION* FFY 2022 | PROG. TOTAL FFY 2021-2024 | FED FUNDS REMAINING |
|-------------|--|---|------------------------------|--------------|--------------------|---------------------------------|--|--------------------------------|
| 10328 | PA 61 Restoration Phase 2A | Highway restoration of State Route (SR) 61 from 4th Street to the SR 4028(West State Street)/Schuylkill River Bridge in Hamburg Borough, Berks County. Median barrier will be installed between 4th Street and Grand Street. The project also includes the rehabilitation of both the SR 61 over Reading Blue Mountain & Northern (RBMN) bridge and the SR 61 over Mill Creek bridge, and the replacement of the SR 61 over Kaerchers Creek bridge. This project to be let with MPMS 109894 (SR 61 Bridge Rehabilitation). | PENNDOT | Right of Way | 61 | \$37,200 | \$120,480 | \$83,280 |
| 10579 | Dreibelbis Covered Bridge | This project will involve replacement of abutments and deteriorated structural components, repair siding, and installing lighting to keep this historic bridge in a state of good repair and allow it to continue to carry vehicular traffic in Greenwich Township, Berks County. | PENNDOT | Construction | 7215 | \$(134,024) | \$0 | \$0 |
| 10588 | Stumps Bridge over Kistler Creek | This project involves a bridge replacement on State Route 1017 (Creek Road) over Kistler Creek in Albany Township, Berks County. | PENNDOT | Construction | 1017 | \$1,580,607 | \$1,942,410 | \$361,803 |
| 10616 | East Chestnut St over Branch of W. Swamp Creek | This project includes a bridge replacement on State Route 2032 (East Chestnut Street) over a branch of West Swamp Creek in Washington Township, Berks County. | PENNDOT | Construction | 2032 | \$956,264 | \$1,240,000 | \$283,736 |
| 10693 | State Street Bridge over Mill Creek-Hamburg | This project involves the replacement of the bridge carrying SR 4028 (State Street) over Mill Creek in Hamburg Borough, Berks County. | PENNDOT | Final Design | 4028 | \$(42,799) | \$0 | \$0 |
| 10740 | Penn St Bridge | This project involves the rehabilitation of the Penn Street Bridge on Business 422 (State Route 3422) over the Schuylkill River in the City of Reading, Berks County. | PENNDOT | Construction | 3422 | \$(86,295) | \$0 | \$0 |
| 10746 | Forgedale Road Bridge | This project involves the bridge replacement of State Route 1021 (Forgedale Road) over Beiber Creek in Rockland Township, Berks County. | PENNDOT | Construction | 1021 | \$2,159,744 | \$2,159,744 | \$0 |
| 10753 | Weavertown Road Bridge | This project involves a bridge replacement on State Route 2041 (Weavertown Road) over Monocacy Creek in Amity Township, Berks County. | PENNDOT | Utility | 2041 | \$8,912 | \$32,960 | \$24,048 |
| 10753 | Weavertown Road Bridge | This project involves a bridge replacement on State Route 2041 (Weavertown Road) over Monocacy Creek in Amity Township, Berks County. | PENNDOT | Right of Way | 2041 | \$90,160 | \$90,160 | \$0 |

*Negative amounts in the obligation column are a result of de-obligating unused funds for a project. De-obligation is a release of funds due to either the cancelation or completion of a project.

| MPMS | PROJECT TITLE | PROJECT DESCRIPTION | PROJECT ADMINISTRATOR | PHASE | STATE ROUTE | OBLIGATION* FFY 2022 | PROG. TOTAL FFY 2021-2024 | FED FUNDS REMAINING |
|-------|----------------------------|--|-----------------------|--------------|-------------|----------------------|---------------------------|---------------------|
| 10753 | Weavertown Road Bridge | This project involves a bridge replacement on State Route 2041 (Weavertown Road) over Monocacy Creek in Amity Township, Berks County. | PENNDOT | Construction | 2041 | \$3,280,624 | \$3,280,624 | \$0 |
| 10867 | PA 61 Restoration Phase 2B | This project involves the highway restoration of State Route (SR) 61 and median barrier installation from Zions Church Road to the SR 0061/4th Street intersection area in Hamburg Borough, Windsor Township and Perry Township, Berks County, including reconfiguration of the 4th Street intersection and extension of Hawk Ridge Road to SR 61. | PENNDOT | Final Design | 61 | \$1,512,000 | \$1,512,000 | \$0 |
| 10867 | PA 61 Restoration Phase 2B | This project involves the highway restoration of State Route (SR) 61 and median barrier installation from Zions Church Road to the SR 0061/4th Street intersection area in Hamburg Borough, Windsor Township and Perry Township, Berks County, including reconfiguration of the 4th Street intersection and extension of Hawk Ridge Road to SR 61. | PENNDOT | Right of Way | 61 | \$1,257,840 | \$1,257,840 | \$0 |
| 57840 | SR 183/4016 (Schaeffers) | This project involves intersection improvements at SR 183 (Bernville Road) and SR 4016 (New Schaefferstown Road), which will include an auxillary right turn lane and signal in order to improve safety and reduce crashes in Jefferson Township, Berks County. | PENNDOT | Final Design | 183 | \$(180,000) | \$0 | \$0 |
| 57840 | SR 183/4016 (Schaeffers) | This project involves intersection improvements at SR 183 (Bernville Road) and SR 4016 (New Schaefferstown Road), which will include an auxillary right turn lane and signal in order to improve safety and reduce crashes in Jefferson Township, Berks County. | PENNDOT | Right of Way | 183 | \$(14,633) | \$0 | \$0 |
| 61972 | US 222 Widening | This project involves the widening of US Route 222 from Schaeffer Road to the Kutztown Bypass in Richmond, Maiden creek and Maxatawny Townships, Berks County. The highway will be widened to four lanes, a median barrier will be installed, as well as roundabouts at Pleasant Hills Road and Richmond Road. Bridge replacement on US Route 222 over the tributary to Moselem Creek. | PENNDOT | Final Design | 222 | \$5,120,000 | \$5,120,000 | \$0 |
| 61972 | US 222 Widening | This project involves the widening of US Route 222 from Schaeffer Road to the Kutztown Bypass in Richmond, Maiden creek and Maxatawny Townships, Berks County. The highway will be widened to four lanes, a median barrier will be installed, as well as roundabouts at Pleasant Hills Road and Richmond Road. Bridge replacement on US Route 222 over the tributary to Moselem Creek. | PENNDOT | Right of Way | 222 | \$4,694,624 | \$5,194,624 | \$500,000 |

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|-------|-------------------------|---|-----------------------|-------------------------|-------------|----------------------|---------------------------|---------------------|
| 69991 | Bridge Review Asst RATS | Bridge Project Management Bridge replacement/rehabilitation contract with engineering firm to assist with management of bridge projects in Berks County. | PENNDOT | Preliminary Engineering | 100 | \$(120,662) | \$0 | \$0 |
| 70274 | River Road Extension | <p>The proposed project consists of constructing a new roadway on the vacant parcel located between W. Windsor Street and Spring Street that is currently owned by the City of Reading School District. The new roadway will intersect W. Spring Street approximately 400 feet west of Weiser Street and connect to the existing intersection of W. Windsor Street and Lincoln Street. The new roadway will provide two-way traffic access between W. Windsor Street and W. Spring Street, along with sidewalk on both sides of the road to accommodate pedestrians and 7-foot wide shoulders for bicyclists. In addition to the new roadway, improvements will be made to the intersection of W. Windsor Street and Schuylkill Avenue. The intersection at Schuylkill Avenue will be redesigned to a four-way intersection by restricting access from Eberhart Street and Bridge Street. The existing pedestrian facilities will be upgraded at this intersection to accommodate pedestrian crossings on all four corners of the intersection. W. Spring Street/River Road from Eberhart Street to the new connector roadway will also be upgraded by reconstructing the existing roadway and installing new curb and drainage facilities on both sides of the road. In addition, new sidewalk will be installed along eastbound W. Spring Street/River Road, while a designated bike lane will be provided along westbound W. Spring Street/River Road within the project limits and local federal aid route West Windsor Street will be resurfaced between Schuylkill Avenue and Lincoln Street. Upon project completion, all pedestrian facilities within the project limits will meet current ADA standards.</p> <p>The construction will be staged in phases to limit the disruption to the traveling public throughout the duration of the improvements. W. Spring Street will be detoured between the new connector road and Eberhart Street to construct the proposed improvements. Access will be maintained to all businesses and residential properties on W. Spring Street/River Road during construction.</p> | CITY OF READING | Utility | 183 | \$(200,000) | \$250,000 | \$0 |

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|-------|--|---|-----------------------|-------------------------|-------------|----------------------|---------------------------|---------------------|
| 72814 | West Shore (US 422) Reconstruction Phase 2 | <p>This project involves highway reconstruction/widening of US Route 422 (the West Shore Bypass) from PA 12 to the Schuylkill River Bridge east of Interstate 176 in Wyomissing and West Reading Boroughs, the City of Reading, Cumru and Exeter Townships, Berks County. The project will include widening of the roadway for a length of 5.5 miles to accommodate three travel lanes in each direction between the Warren Street Bypass and the Interstate 176 interchange. There will also be reconstruction of four travel lanes between the Interstate 176 interchange and the Schuylkill River Bridge east of the Interstate 176 interchange. The Penn Street and Lancaster Avenue interchanges will be realigned and reconstructed, while the Wyomissing and Interstate 176 interchanges will be reconstructed. This project will also include reconstruction of the Bingaman Street Bridge. This project includes completion of preliminary engineering for the entire corridor. Details for Phase 1 can be found under MPMS 114439.</p> <p>Construction commencement of phase 2 is undetermined at this time due to fiscal constraint/resources.</p> | PENNDOT | Preliminary Engineering | 422 | \$5,365,885 | \$5,365,888 | \$3 |
| 76614 | Penn St Crosswalks | Installation of two crosswalks at 2nd & 3rd Streets on Penn Street in the City of Reading, Berks County. | PENNDOT | Construction | | \$147,974 | \$147,974 | \$0 |
| 79086 | Green Hills Road over Allegheny Creek | This project involves the bridge replacement of State Route 568 (Green Hills Road) over Allegheny Creek in Robeson Township, Berks County. | PENNDOT | Construction | 568 | \$1,860,160 | \$1,860,160 | \$0 |
| 79467 | SR 12 Elizabeth Avenue | <p>This project involves safety improvements along the State Route 12 corridor from Hill View Road/Elizabeth Avenue to Skyline Drive (SR 2027) in Alsace Township, Berks County.</p> <p>The proposed corridor improvements include shoulder widening, utility relocation, embankment removal to improve curve sight distance, and super elevate curves.</p> <p>Additional proposed improvements include a hybrid roundabout at SR 12 and Hill View Road / Elizabeth Avenue, a traffic signal with realignment at Skyline Drive, and addition of a left turn lane for Route 12 west at Skyline Drive.</p> | PENNDOT | Preliminary Engineering | 12 | \$53,725 | \$1,000,000 | \$946,275 |
| 85637 | SR 1010 over Swabia Creek | Bridge replacement on State Street (State Route 1010) over Swabia Creek in Longswamp Township, Berks County. | PENNDOT | Right of Way | 1010 | \$(265) | \$0 | \$0 |

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|-------|--|---|-----------------------|-------------------------|-------------|----------------------|---------------------------|---------------------|
| 85648 | Stoney Run Valley Road over Maiden Creek | This project involves the bridge replacement of State Route 1018 (Stoney Run Valley Road) over Maiden Creek in Albany Township, Berks County. The structure is located approximately 0.1 miles southeast of SR 143 and 3.5 miles northwest of SR 737 (Krumsville Road). For traffic control, the project will utilize separate detour plans for cars (6.9 miles) and trucks (14.6 miles) all on state-owned roadways. | PENNDOT | Final Design | 1018 | \$278,460 | \$360,000 | \$81,540 |
| 85648 | Stoney Run Valley Road over Maiden Creek | This project involves the bridge replacement of State Route 1018 (Stoney Run Valley Road) over Maiden Creek in Albany Township, Berks County. The structure is located approximately 0.1 miles southeast of SR 143 and 3.5 miles northwest of SR 737 (Krumsville Road). For traffic control, the project will utilize separate detour plans for cars (6.9 miles) and trucks (14.6 miles) all on state-owned roadways. | PENNDOT | Right of Way | 1018 | \$17,104 | \$17,104 | \$0 |
| 85668 | SR 562 ovr Monocacy Creek | This project involves a bridge replacement / rehabilitation on SR 0562 (Boyertown Pike) over Monocacy Creek in Exeter Township, Berks County. | PENNDOT | Preliminary Engineering | 562 | \$(76,392) | \$0 | \$0 |
| 87688 | SR 422 in Sinking Spring | This project will re-align intersections at Penn Avenue and State Route 724 (Shillington Road) and Penn Avenue and State Route 3055 (Mull Avenue) to reduce congestion in the Borough of Sinking Spring, Berks County. | PENNDOT | Right of Way | 422 | \$1,799,520 | \$1,799,520 | \$0 |
| 88781 | SR 12 and SR 73 | This project involves installation of left turn standby lanes on all four approaches at the intersection of Pricetown Road (State Route 12) and Blandon Road (State Route 73) in Ruscombmanor Township, Berks County. | PENNDOT | Final Design | 12 | \$7,184 | \$35,280 | \$28,096 |
| 88781 | SR 12 and SR 73 | This project involves installation of left turn standby lanes on all four approaches at the intersection of Pricetown Road (State Route 12) and Blandon Road (State Route 73) in Ruscombmanor Township, Berks County. | PENNDOT | Utility | 12 | \$172,096 | \$172,096 | \$0 |
| 88781 | SR 12 and SR 73 | This project involves installation of left turn standby lanes on all four approaches at the intersection of Pricetown Road (State Route 12) and Blandon Road (State Route 73) in Ruscombmanor Township, Berks County. | PENNDOT | Construction | 12 | \$5,302,668 | \$5,422,946 | \$120,278 |
| 88792 | SR 61 and Tuckerton Road | Intersection improvements at State Route 61 and Tuckerton Road including signal upgrades and additional turning lanes to improve safety and reduce congestion in Muhlenberg Township, Berks County. | PENNDOT | Right of Way | 61 | \$(147,185) | \$0 | \$0 |

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|-------|--|--|-----------------------|-------------------------|-------------|----------------------|---------------------------|---------------------|
| 88792 | SR 61 and Tuckerton Road | Intersection improvements at State Route 61 and Tuckerton Road including signal upgrades and additional turning lanes to improve safety and reduce congestion in Muhlenberg Township, Berks County. | PENNDOT | Construction | 61 | \$(125,034) | \$0 | \$0 |
| 89056 | Transp Alternative Project Mngmt | This project is a Berks County Transportation Alternatives Program Management Contract to assist local sponsors in developing approved Transportation Alternative Projects. | PENNDOT | Preliminary Engineering | | \$9,975 | \$85,000 | \$75,025 |
| 89215 | PA 12 West Resurface- 422 WB Ramps to SR 183 | This project involves highway resurfacing of State Route 12 (Warren Street Bypass) in Berks County from US Route 422 West Bound (WB) ramps in Wyomissing Borough to State Route 183 (Schuylkill Avenue) in the City of Reading including driveway curb closures, guide rail and single face barrier upgrades, glare screen installation, pavement restriping to provide lengthened acceleration lanes and tree removal and trimming. Work includes preservation activities to Warren Street Bypass over Tulpehocken Creek and Warren Street Bypass over Reading Boulevard. | PENNDOT | Utility | 12 | \$57,104 | \$545,140 | \$488,036 |
| 89215 | PA 12 West Resurface- 422 WB Ramps to SR 183 | This project involves highway resurfacing of State Route 12 (Warren Street Bypass) in Berks County from US Route 422 West Bound (WB) ramps in Wyomissing Borough to State Route 183 (Schuylkill Avenue) in the City of Reading including driveway curb closures, guide rail and single face barrier upgrades, glare screen installation, pavement restriping to provide lengthened acceleration lanes and tree removal and trimming. Work includes preservation activities to Warren Street Bypass over Tulpehocken Creek and Warren Street Bypass over Reading Boulevard. | PENNDOT | Construction | 12 | \$8,420,539 | \$8,458,805 | \$38,266 |
| 90569 | SR 222 and Long Lane Intersection Improvements | This project involves the construction of a roundabout on US Route 222 and Long Lane (State Route 1024) to improve safety and reduce congestion in Maxatawny Township, Berks County. | PENNDOT | Final Design | 222 | \$227,227 | \$337,892 | \$110,665 |
| 90569 | SR 222 and Long Lane Intersection Improvements | This project involves the construction of a roundabout on US Route 222 and Long Lane (State Route 1024) to improve safety and reduce congestion in Maxatawny Township, Berks County. | PENNDOT | Right of Way | 222 | \$1,200,000 | \$1,200,000 | \$0 |
| 91091 | Schuylkill Ave Bridge SB | This project involves a bridge replacement on Schuylkill Avenue southbound (State Route 183) over the Norfolk Southern Railroad in the City of Reading, Berks County. | PENNDOT | Preliminary Engineering | 183 | \$68,222 | \$68,224 | \$2 |
| 91091 | Schuylkill Ave Bridge SB | This project involves a bridge replacement on Schuylkill Avenue southbound (State Route 183) over the Norfolk Southern Railroad in the City of Reading, Berks County. | PENNDOT | Final Design | 183 | \$153,664 | \$308,336 | \$154,672 |

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|-------|---|---|-----------------------|--------------|-------------|----------------------|---------------------------|---------------------|
| 91658 | TOC Operator-Berks | 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 I-78, I-176, US Route 222 and US Route 422 in Berks County. | PENNDOT | Construction | 78 | \$(48,677) | \$564,126 | \$0 |
| 91932 | Carsonia Avenue over Antietam Creek | This project involves bridge replacement on SR 2023 (Carsonia Avenue) over Antietam Creek in Lower Alsace Township, Berks County. | PENNDOT | Final Design | 2023 | \$136,628 | \$136,628 | \$0 |
| 92043 | Tollgate Rd over Unnamed Trib to Leaf Creek | This project involves the bridge replacement of State Route 2057 (Tollgate Road) over an unnamed Tributary to Leaf Creek in Amity Township, Berks County. Minor approach and roadway improvements will extend into Douglass Township. | PENNDOT | Construction | 2057 | \$1,013,184 | \$1,119,984 | \$106,800 |
| 92411 | SR 222 & 662 Intersection | This project involves construction of a roundabout on State Route 222 and 662 to improve safety and reduce congestion in Richmond Township, Berks County. | PENNDOT | Right of Way | 222 | \$(108,866) | \$0 | \$0 |
| 92414 | SR 222_73 & Genesis Drive | <p>This project involves intersection improvements at the intersection of US Route 222 and State Route 73, including additional turn lanes and signal improvements to reduce overall delay through the corridor and provide pedestrian accessibility. The intersections of US Route 222 and Tamarack / Genesis Drive and US Route 222 and Schaeffer Road will each receive a multilane roundabout. Ten (10') foot shoulders are to be provided for the accommodation of non-motorized traffic including horse and buggies and bicycles. At the southern end of the project, the existing structure over Willow Creek will be replaced.</p> <p>The limits of the SR 222 Section 22S project are 2,800 feet South of the intersection of SR 222 (Allentown Pike) and Snyder Road (SR 1001) to the intersection of SR 222 (Allentown Pike) and Evansville Road (T-759) in Maiden creek Township, Berks County.</p> | PENNDOT | Utility | 222 | \$1,094,265 | \$1,094,265 | \$0 |

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| MPMS | PROJECT TITLE | PROJECT DESCRIPTION | PROJECT ADMINISTRATOR | PHASE | STATE ROUTE | OBLIGATION* FFY 2022 | PROG. TOTAL FFY 2021-2024 | FED FUNDS REMAINING |
|-------|-----------------------------|--|-----------------------|-------------------------|-------------|----------------------|---------------------------|---------------------|
| 92414 | SR 222_73 & Genesis Drive | <p>This project involves intersection improvements at the intersection of US Route 222 and State Route 73, including additional turn lanes and signal improvements to reduce overall delay through the corridor and provide pedestrian accessibility. The intersections of US Route 222 and Tamarack / Genesis Drive and US Route 222 and Schaeffer Road will each receive a multilane roundabout. Ten (10') foot shoulders are to be provided for the accommodation of non-motorized traffic including horse and buggies and bicycles. At the southern end of the project, the existing structure over Willow Creek will be replaced.</p> <p>The limits of the SR 222 Section 22S project are 2,800 feet South of the intersection of SR 222 (Allentown Pike) and Snyder Road (SR 1001) to the intersection of SR 222 (Allentown Pike) and Evansville Road (T-759) in Maidencreek Township, Berks County.</p> | PENNDOT | Construction | 222 | \$424,716 | \$3,955,932 | \$3,531,216 |
| 92921 | SR 73/662 Corridor Safety | This project involves construction of a 4-leg single lane roundabout at both intersections of State Route 73 and 662 in Oley Township, Berks County. | PENNDOT | Construction | 73 | \$(472,131) | \$0 | \$0 |
| 94857 | 422 Resurf-419-Wernersville | Resurfacing to State Route 422 from State Route 419 to Wernersville Borough Line. Additional work includes Mill, pave, base repair, ADA compliant curb ramps, and multiple signalized intersections in Heidelberg Township; Robesonia Borough; Lower Heidelberg Township; South Heidelberg Township, Wernersville Borough, Berks County. | PENNDOT | Preliminary Engineering | 422 | \$(21,103) | \$0 | \$0 |
| 94900 | Freeway Service Patrol | This project funds the freeway service patrol on US Route 422, US Route 222 and PA 12 in the urban area in Berks County. | PENNDOT | Construction | 422 | \$510,300 | \$1,019,389 | \$509,089 |

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| MPMS | PROJECT TITLE | PROJECT DESCRIPTION | PROJECT ADMINISTRATOR | PHASE | STATE ROUTE | OBLIGATION* FFY 2022 | PROG. TOTAL FFY 2021-2024 | FED FUNDS REMAINING |
|-------|---|---|-----------------------|-------------------------|-------------|----------------------|---------------------------|---------------------|
| 96373 | PA 61 Restoration Phase 1 | <p>This project involves the highway restoration of State Route 61 from approximately 1700 feet south of Cabela Drive in Tilden Township, Berks County to south end of the bridge over the Reading Blue Mountain & Northern Railroad (RR) and Schuylkill River with maintenance, protection and traffic extending into Port Clinton Borough, Schuylkill County. Bridge preservation activities -- to include minor deck repairs and application of a waterproofing membrane -- will occur on the structure over Bartram Trail.</p> <p>Installation of a median barrier from the Walmart entrance at Lowland Road to a point approximately 0.4 miles north under MPMS #109337 is intended to be let with this project contract.</p> | PENNDOT | Right of Way | 61 | \$81,040 | \$81,040 | \$0 |
| 96376 | Shoemaker Ave/Pottsville Pike Restoration | This project involves highway restoration of Shoemaker Avenue/Pottsville Pike (SR 61) from Indian Manor Drive to Zion's Church Road in Shoemakersville Borough, Ontelaunee and Perry Townships, Berks County. | PENNDOT | Right of Way | 61 | \$(430,061) | \$0 | \$0 |
| 96377 | Bus 422 Resurface | The proposed roadway improvements for this project within Mt. Penn Borough include full depth pavement reconstruction, milling and overlay of the existing pavement, and curb and sidewalk replacements. Throughout Exeter Township, a center turn lane will be added to the roadway footprint. Inlets will be added, removed and/or replaced throughout the sections of full depth reconstruction and the Exeter Township center turn lane. Curb ramps will be updated to meet current ADA standards. Signing and sign lighting improvements and traffic signal retiming related to ADA curb ramp construction (pedestrian push buttons, junction box replacement, etc.) will be included in the project as well. The retiming will address pedestrian crossing and ADA requirements but not affect other signals. | PENNDOT | Right of Way | 2021 | \$(171,920) | \$0 | \$0 |
| 97258 | SR 61 Med Barrier - Perry Wind | This project involves the installation of a median barrier and pavement markings on State Route 61 anticipated to be from Zion's Church Road to 4th Street in conjunction with the SR 61 Restoration phase 2B (MPMS #10867) in Perry and Windsor Townships and Hamburg Borough, Berks County. | PENNDOT | Preliminary Engineering | 61 | \$(45,318) | \$0 | \$0 |

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| MPMS | PROJECT TITLE | PROJECT DESCRIPTION | PROJECT ADMINISTRATOR | PHASE | STATE ROUTE | OBLIGATION* FFY 2022 | PROG. TOTAL FFY 2021-2024 | FED FUNDS REMAINING |
|--------|--|--|-----------------------|-------------------------|-------------|----------------------|---------------------------|---------------------|
| 102162 | SR 2014 (Spring St) Corridor Improvements | This project involves corridor improvements to the entire length of State Route 2014 (Spring Street) from Centre Avenue (State Route 61) to 13th Street in the City of Reading, Berks County. This project will upgrade traffic signals to provide higher visibility by adding larger signal heads, brighter illumination with LED modules, and additional signal heads over travel lanes with protected phasing where needed. Signal Coordination using new controller equipment will reduce congestion and improve safety through radio interconnection. Ten existing signals either have small heads, are dim or are poorly positioned on old supporting equipment. | PENNDOT | Construction | 2014 | \$3,003,270 | \$3,067,179 | \$63,909 |
| 103141 | Hartz Mill Bridge | This project involves the replacement / rehabilitation of the Hartz Mill Bridge on Mill Road (State Route 7207) over the Conestoga Creek in Caernarvon Township, Berks County. | PENNDOT | Preliminary Engineering | 7207 | \$(25,063) | \$0 | \$0 |
| 103141 | Hartz Mill Bridge | This project involves the replacement / rehabilitation of the Hartz Mill Bridge on Mill Road (State Route 7207) over the Conestoga Creek in Caernarvon Township, Berks County. | PENNDOT | Right of Way | 7207 | \$(14,870) | \$0 | \$0 |
| 103884 | Gibraltar Road Bridge | This project involves the superstructure rehabilitation of county owned (#45A) Gibraltar Road (T-578) Bridge over Antietam Creek in Exeter Township, Berks County. A companion project under MPMS #110206 addresses the reconfiguration of the adjacent intersection with SR 2033 (Shelbourne Road) improvements including an addition of eastbound left turn lane and new traffic signal. | PENNDOT | Construction | 7214 | \$1,718,096 | \$1,718,096 | \$0 |
| 105954 | State Hill Rd from Colony Dr. to SR 222 SB Ramps | Corridor safety improvements along State Route 3023 (State Hill Road) between the State Route 222 southbound on-ramp and Colony Drive in Wyomissing Borough. Improvements to be considered include widening, access management, roundabout(s), traffic signal updates and coordination. | PENNDOT | Preliminary Engineering | 3023 | \$850,000 | \$850,000 | \$0 |
| 105963 | Route 662 and Oley Turnpike Intersection | Construct a roundabout at the intersection of State Route 622 (Memorial Highway) and State Route 2020 (Oley Turnpike Road). | PENNDOT | Study | 662 | \$400,000 | \$400,000 | \$0 |
| 106140 | Reading NS RRX Corridor | This project involves rail crossing signalization upgrades in the City of Reading, Berks County. The rail crossing signals to be upgraded cross Chestnut Street, Franklin Street and Cherry Street. | PENNDOT | Construction | 2006 | \$280,349 | \$1,185,828 | \$905,479 |
| 106496 | 222 Slab Stabilization | This project involves slab stabilization as well as bridge resurfacing and repairs on ten structures located on US Route 222 between the Schuylkill River and US Route 422 in Spring, Bern, Muhlenberg Townships and Wyomissing Borough, Berks County. | PENNDOT | Construction | 222 | \$(114,698) | \$0 | \$0 |

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|--------|---|--|-----------------------|-------------------------|-------------|----------------------|---------------------------|---------------------|
| 109788 | 222 SB Auxiliary Lane | This project will eliminate the tapers and widen southbound US Route 222 to connect the southbound on-ramp at Broadcasting Road to the southbound off-ramp onto westbound US Route 422 at Berkshire Boulevard in Spring Township and Wyomissing Borough, Berks County. | PENNDOT | Preliminary Engineering | 222 | \$361 | \$0 | \$(361) |
| 109788 | 222 SB Auxiliary Lane | This project will eliminate the tapers and widen southbound US Route 222 to connect the southbound on-ramp at Broadcasting Road to the southbound off-ramp onto westbound US Route 422 at Berkshire Boulevard in Spring Township and Wyomissing Borough, Berks County. | PENNDOT | Construction | 222 | \$(79,425) | \$0 | \$0 |
| 109991 | District 5 AWPM Berks 2019 | This project involves the installation and maintenance of all-weather pavement markings (AWPM) at various locations within the planning region. | PENNDOT | Construction | 78 | \$(52,602) | \$0 | \$0 |
| 110007 | 222 Warren Street Wyomissing | This project involves concrete patching and ultra-thin overlay of US Route 222 from the Wyomissing Borough Line, near the Reading Boulevard overpass, to a point between the State Hill Road and Paper Mill Road / Crossing Drive interchanges. Project also includes similar improvements to the Penn Avenue and State Hill Road interchange ramps and preventative maintenance measures to the Penn Avenue and State Hill Road overpasses. | PENNDOT | Construction | 222 | \$14,665,341 | \$14,665,341 | \$0 |
| 110008 | 222 Auxiliary Lane-Wyomissing "Hard Shoulder" | This project involves the addition of an auxiliary lane along US Route 222 Southbound between Paper Mill Road and the US Routes 222 and 422 Interchanges in Wyomissing Borough, Berks County. The project begins where Berkshire Boulevard passes over US Route 222 and continues up and around the hard curve to the Paper Mill Road exit. This project also involves the creation of a corresponding northbound auxiliary lane from the entrance ramp of the State Hill Road interchange to the SR 422 eastbound exit ramp. The additional northbound lane will be created through a combination of minor widening , existing shoulder conversion, minor cross slope adjustments and rechannelization of the existing lane configuration. The project also includes concrete patching, bituminous overlay (including portions of the associated ramps), and preventative maintenance to the bridge spanning Crossing Drive in both directions. | PENNDOT | Preliminary Engineering | 222 | \$480,000 | \$798,624 | \$318,624 |

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| MPMS | PROJECT TITLE | PROJECT DESCRIPTION | PROJECT ADMINISTRATOR | PHASE | STATE ROUTE | OBLIGATION* FFY 2022 | PROG. TOTAL FFY 2021-2024 | FED FUNDS REMAINING |
|--------|---|--|-----------------------|--------------|-------------|----------------------|---------------------------|---------------------|
| 110009 | 222 from 61 to BUS 222 | This project involves the roadway resurfacing of US Route 222 from Route 61 to Business Route 222 (5th Street Highway). Work will include concrete patching and diamond grinding, and bridge preservation activities on 6 structures in Muhlenberg and Ontelaunee Townships, Berks County. | PENNDOT | Construction | 222 | \$8,669,610 | \$8,669,610 | \$0 |
| 110010 | US 422 Business Resurface | This project involves the roadway resurface (concrete patching and bituminous overlay) / bridge preservation of SR 3422 (Business 422- Penn Avenue) from Route 422 to Shillington Road, guide rail, curb ramps, pavement markings and bridge work in Spring Township and Sinking Spring, Wyomissing and West Reading Boroughs, Berks County. | PENNDOT | Construction | 3422 | \$(88,955) | \$0 | \$0 |
| 110082 | SR 4040 Old Route 22 - Tulpehocken | This project involves the resurfacing and guide rail upgrades to State Route 4040 (Old Route 22) from the Bethel Township Line to State Route 4028 (St. Michaels Road) in Upper Tulpehocken, Upper Bern and Tilden Townships in Berks County. | PENNDOT | Construction | 4040 | \$2,630,831 | \$2,630,831 | \$0 |
| 110206 | Gibraltar and Shelbourne Intersection | This project is a companion project to MPMS #103884 - Gibraltar Road Bridge. The purpose is to improve the intersection adjacent to the bridge in order to reduce or eliminate recurring peak hour congestion. Improvements include the addition of an eastbound to northbound left turn lane and a new traffic signal at the intersection of State Route 2033 (Shelbourne Road) and Gibraltar Road, Berks County. | PENNDOT | Construction | 2033 | \$892,832 | \$964,932 | \$72,100 |
| 110247 | Glendale Bridge | This project consists of complete replacement of the Glendale Bridge that carries Winding Road over Ironstone Creek in Douglass Township, Berks County. | PENNDOT | Construction | 7212 | \$(235,083) | \$1,650,000 | \$0 |
| 111504 | Topton Pedestrian Connectivity | Creation of path through Topton Borough Community Park and sidewalk, crosswalks, and ADA ramps along W. Weis St. (SR 1010) and Callowhill St. for a safe route to the middle school in Topton Borough, Berks County. | PENNDOT | Construction | 1010 | \$1,420,515 | \$1,420,515 | \$0 |
| 113221 | SR 4028 Resurface Krumsville Rd to Old 22 | This project involves the resurfacing and guide rail upgrades along State Route 4028 (Old Route 22) from Krumsville Road (SR 737) to the Berks/Lehigh County line in Greenwich Township. | PENNDOT | Construction | 4028 | \$1,770,006 | \$2,729,500 | \$959,494 |
| 114388 | RATS High Friction Surface 2021 | This project involves application of a high friction surface treatment to various identified locations within Berks County. | PENNDOT | Construction | 2049 | \$(178,183) | \$809,869 | \$0 |
| 115858 | Tropical Isaias DF Emergency Response_Berks | August 4, 2020 Tropical Storm Isaias emergency flood repairs by Department Forces on various federal aid sites within Berks County on state routes 2027, 143, 73, 2036, 4028, and 222 | PENNDOT | Construction | 143 | \$123,048 | \$0 | \$(123,048) |

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|--------|--|---|-----------------------|-------------------------|-------------|----------------------|---------------------------|---------------------|
| 116746 | Low Cost Signal Upgrades - RATS | The project consists of adding retroreflective backplates and increasing signal head size from 8" to 12" lens at urban intersections in Berks County for safety and the reduction of crashes. | PENNDOT | Preliminary Engineering | 422 | \$7,500 | \$7,500 | \$0 |
| 117603 | State Hill Road - SR 222 SB to Norfolk Southern RR | This project involves improvements to State Hill Road (SR 3023) intersections with State Route 222 southbound ramps, State Route 222 northbound ramps and Spring Street/Granite Point Drive with addition of a roundabout at State Route 222 southbound and addition of a roundabout combining the State Route 222 northbound and Spring Street intersections, in Wyomissing Borough, Berks County. | PENNDOT | Preliminary Engineering | 3023 | \$912,000 | \$912,000 | \$0 |
| 117927 | RATS Systemic Safety Improvements | This district-wide design build project involves implementing low-cost safety systemic countermeasures to address lane departure sites on curves in various locations in Berks County. This project will be grouped under MPMS # 117823 (Lehigh Valley sites in Lehigh and Northampton counties) and with MPMS #117861 (Northeastern Pennsylvania sites in Carbon, Monroe and Schuylkill counties). | PENNDOT | Preliminary Engineering | 1021 | \$101,370 | \$101,370 | \$0 |
| 118544 | ROW Advanced Demolition - 183/05B | This advanced break-out project, for the Schuylkill Avenue bridge project over Norfolk Southern Railroad (MPMS #91091) in the City of Reading, Berks County, consists of demolition of three three-story buildings, one multi-family residential three-story building with a block garage on southbound side of State Route 183 purchased in relation to the structure replacement. | PENNDOT | Construction | 183 | \$336,000 | \$336,000 | \$0 |

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FFY 2022 TRANSIT ANNUAL LIST OF OBLIGATED PROJECTS FOR BERKS AREA REGIONAL TRANSIT AUTHORITY (BARTA)

| <u>MPMS</u> | <u>PROJECT TITLE</u> | <u>PROJECT DESCRIPTION</u> | <u>FEDERAL FUND CATEGORY</u> | <u>FEDERAL PROGRAMMED AMOUNT 2017-2018</u> | <u>FEDERAL PROGRAMMED AMOUNT 2019-2020</u> | <u>FEDERAL PROGRAMMED AMOUNT 2021-2024</u> | <u>FEDERAL FUNDS PRIOR OBLIGATION</u> | <u>FFY 2022 OBLIGATION</u> | <u>FEDERAL FUNDS REMAINING</u> |
|--|---|--|------------------------------|--|--|--|---------------------------------------|----------------------------|--------------------------------|
| 102301 | BARTA Capital Improvements IT Equipment | Funds the purchase of computer hardware and software to support the implementation of a replacement Fleet Maintenance Management Software System capable of storing, managing and providing reports pertaining to vehicle and facility maintenance. | 5307 | \$0 | \$360,000 | \$0 | \$208,670 | \$48,345 | \$102,985 |
| 102302 | BARTA Facility Improvement(1) | Funds the design and rehabilitation of the PNT Parking Garage Expansion Joints and the BARTA Transportation Center (BTC) bus lane and parking garage ceiling. Additional funds provided to support the replacement and upgrade of the BTC lighting and additional BTC infrastructure . | 5307 | \$3,380,000 | \$1,847,565 | \$0 | \$4,833,183 | \$89,094 | \$305,288 |
| 106742 | Purchase Office Equipment | Upgrade and replace office equipment, furniture, and copiers that have exceeded their useful life and to support improved office operations. | 5307 | \$0 | \$12,000 | \$0 | \$8,293 | \$3,707 | \$0 |
| 110614 | Transit Development Plan Update | Transit Development Plan Update | 5307 | \$0 | \$0 | \$100,000 | \$0 | \$97,942 | \$2,058 |
| 114357 | Replace Communications Equipment | Replace Communications Equipment in buses | 5307 | \$0 | \$0 | \$200,000 | \$0 | \$115,445 | \$84,555 |
| 114372 | Paratransit Van Purchase | Purchase 4 Ford E450 Shared-ride vans to replace 2016 paratransit vehicles that have reached the end of their useful service life. | 5307 | \$0 | \$0 | \$900,471 | \$0 | \$246,518 | \$653,953 |
| 114374 | Vehicle Replacement 21-22 | Funds replacement of two 2009 fixed route buses that reached the end of their useful service life. | CMAQ | \$0 | \$0 | \$900,000 | \$0 | \$900,000 | \$0 |
| 114374 | Vehicle Replacement 21-22 | Funds replacement of three 2009 fixed route bus that has reached the end of its useful service life. | 5307 | \$0 | \$0 | \$1,655,436 | \$0 | \$1,016,858 | \$638,578 |
| 114374 | Vehicle Replacement 21-22 | Provided partial funding for the replacement of one 2009 fixed route bus that has reached the end of its useful service life. | 5339 | \$0 | \$0 | \$424,564 | \$0 | \$406,994 | \$17,570 |
| 114375 | Facility Improvement Program | Funds the preliminary design for the replacement of an underground diesel fuel tank and the purchase of communications support equipment. | 5307 | \$0 | \$0 | \$856,000 | \$85,502 | \$689,538 | \$80,960 |
| 114384 | Purchase Office Equipment | Upgrade and replace office equipment, furniture, and copiers that have exceeded their useful life and to support improved office operations. | 5307 | \$0 | \$0 | \$17,600 | \$0 | \$5,062 | \$12,538 |
| TOTAL FUNDS OBLIGATED IN FFY 2022 | | | | | | | | \$3,619,504 | |

Notes: The FTA definition of obligation was used to determine the funding amounts reported as obligated. For the FTA, funds are obligated when a contract is awarded for the purchase of goods or services. For example, a contract can be awarded for the purchase of buses and the funds obligated in one fiscal year but the actual expenditure of funds may not occur until the next fiscal year based on the production and delivery schedule for the bus.

Federal Funds Prior Obligation includes funds from the FFY 2017-2020 TIP and federal funds obligated in FFY 2021.

| | | |
|-------------------------|------|---|
| Funding Sources: | 5307 | Federal - Urbanized Area Formula Program |
| | 5339 | Federal - Bus and Bus Facilities Program |
| | CMAQ | Federal - Congestion Mitigation/Air Quality Program |