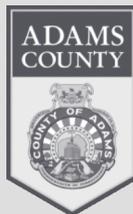




2021 - 2024 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

ADAMS COUNTY MPO



Adams County Transportation
Planning Organization (ACTPO)

July 2020

ABOUT THE 2021-2024 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)

WHAT IS THE TIP?

The Transportation Improvement Program (TIP) proposes where projected transportation funding sources will be spent over the next four (4) years in all of Adams County. The Adams County Transportation Planning Organization (ACTPO) approves projects for the twenty (20) years; the TIP is simply the first four of those twenty years.

WHAT TYPES OF PROJECTS ARE ON THE TIP?

The types of eligible projects include repaving projects, bridge rehabilitation projects, major interchange upgrades, intersection improvements, and new road alignments. The projects listed on the TIP have at least \$1 of public monies.

WHO RECOMMENDS PROJECTS FOR THE TIP?

PennDOT and Adams County municipalities submit projects to ACTPO, who then approves, dismisses, or recommends other funding sources for each project. ACTPO is an organization consisting of representatives from PennDOT, the Adams County Commissioners, Rabbitransit, the Gettysburg Chamber of Commerce, the Adams County Industrial Development Authority (IDA), and multiple municipal representatives.

WHERE DOES THE FUNDING COME FROM?

The Federal legislation for transportation (FAST Act) distributes formula-driven funding to each state. Much of this funding has restrictions on where in Adams County it can be used, or on what types of projects can be funded. Recently passed state transportation funding legislation (Act 89) also distributes a substantial amount of funds to each area of the Commonwealth. Local funding from municipalities, developers, or companies can be used to supplement the Federal and State funding sources.

WHAT IS THE NEXT STEP?

The public should review the projects on the Highway and Transit TIPS and maps, available from the Adams County Office of Planning and Development in paper form or online at www.adamscounty.us. Any comments about specific projects or general comments about the program can be sent to the Adams County Office of Planning and Development located at 670 Old Harrisburg Road, Suite 100, Gettysburg, PA 17325. ACTPO will address all comments received between June 15th and July 17th, 2020. ACTPO will vote to approve the TIP on July 29, 2020. If approved, the TIP will be in effect October 1, 2020.

TABLE OF CONTENTS

Glossary	1
Executive Summary	5
Project Selection Process	10
TIP Development Timeline	12
Performance Measures Narrative	13
Transit Performance Measures	42
2021 TIP Projects	46
2021—2032 Twelve Year Plan (TYP)	69
TIP Financial Constraint Chart.....	74
Public Transit Financial Capacity Analysis	75
Environmental Justice Core Elements Analysis.....	78
Air Quality Conformity Determination Report.....	102
Draft Air Quality Resolution.....	111
Title VI Policy Statement	112
TIP Revision Procedures.....	113
APPENDIX A.....	119
• 2021 Interstate TIP	
APPENDIX B.....	213
• 2021 Statewide TIP	

GLOSSARY—TERMS AND ACRONYMS

ORGANIZATIONS:

ACOPD – Adams County Office of Planning and Development. Staff of ACTPO.

ACTPO – Adams County Transportation Planning Organization

CPTA – Central Pennsylvania Transportation Authority. The local governing board of rabbittransit and its shared ride programs.

DCNR – Department of Conservation and Natural Resources. A state agency.

DEP – Pennsylvania Department of Environmental Protection. A state agency.

FAA – Federal Aviation Administration

FHWA – Federal Highway Administration

FTA – Federal Transit Administration

PennDOT – Pennsylvania Department of Transportation. A state agency.

SRTP – Susquehanna Regional Transportation Partnership. A multi-MPO governing body that funds PA Commuter Services.

USDOT – United States Department of Transportation

USEPA – United States Environmental Protection Agency

LEGISLATION:

ISTEA (1991) – Intermodal Surface Transportation Efficiency Act of 1991

TEA-21 (1998) – Transportation Equity Act for the 21st Century

SAFETEA-LU (2005) – Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users

MAP-21 (2012) – Moving Ahead for Progress in the 21st Century.

FAST Act (2105) – Fixing America’s Surface Transportation.

ACT 89 of 2013 – State transportation funding legislation.

ADA – Americans with Disabilities Act. A federal requirement.

CAA – Clean Air Act. A federal requirement.

NEPA – National Environmental Policy Act. A federal requirement.

Title VI – Title VI of the Civil Rights Act of 1964. A federal requirement.

FEDERAL TERMS:

3C – Continuing, Comprehensive and Cooperative. Federal requirements for the transportation planning process.

CRFC – Critical Rural Freight Corridors. A federal road designation.

CUFC – Critical Urban Freight Corridors. A federal road designation.

EA – Environmental Assessment

EIS – Environmental Impact Statement

EJ – Environmental Justice. A federal initiative.

FFY – Federal Fiscal Year (October 1 to September 30)

FEDERAL TERMS CONT'D:

HPMS – Highway Performance Management System. A federal data collection effort.

LFA – Local Federal Aid. A road classification.

MPO – Metropolitan Planning Organization.

MSA – Metropolitan Statistical Area

NAAQS – National Ambient Air Quality Standards

NHS – National Highway System

PBPP – Performance Based Planning and Programming.

PM-1 – Federal performance measures for safety.

PM-2 – Federal performance measures for asset management.

PM-3 – Federal performance measures for system performance.

RPO – Rural Planning Organization

SRS – Safe Routes to School

YOE – Year of Expenditure.

STATE TERMS:

BAMS – Bridge Asset Management System.

BMS – Bridge Management System. A PennDOT data collection effort.

LTAP – Local Technical Assistance Program

MPMS – Multimodal Project Management System. A PennDOT project management effort.

PAMS – Pavement Asset Management System.

RMS – Roadway Management System. A PennDOT data collection effort.

STC – State Transportation Commission

TAMP – Transportation Asset Management Plan.

RBR – Rapid Bridge Replacement Project. A statewide P3 to replace 558 structurally deficient bridges.

GRANTS & FUNDING CATEGORIES:

183 – State funds for Local bridges.

185 – State funds for State Bridges.

409 – PennDOT County Maintenance Office Funds from Act 89.

581 – State funds. Can be utilized on highway or bridge projects that have capital budget approval

BOF – Bridge Off System. Federal Funds to be utilized on bridges that are not on the Federal Aid System and the bridge is greater than 20 feet.

CMAQ/CAQ – Congestion Management Air Quality Federal Funds utilized to implement projects to improve air quality.

HSIP – Highway Safety Improvement Program. Federal Funds directed towards projects that will implement measures to reduce or prevent fatalities and.

NHPP – National Highway Performance Program. Federal funds directed towards the NHS for Bridge and Roadway Projects.

STP – Surface Transportation Program. Federal highway funds.

GRANTS & FUNDING CATEGORIES CONT'D:

SXF – Special Federal Funds. Typical Earmarked funds.

TAP/TAU – Transportation Alternative Program- Federal Funds primarily focused on Bicycle and Pedestrian Improvements. TAU is the TAP funding allocated to MPO's with a population greater than 200,000.

MTF – Multimodal Transportation Fund. A state grant program established by Act 89.

P3 – Public Private Partnership

PROJECT DELIVERY:

PE – Preliminary Engineering

FD – Final Design

UTL – Utility

ROW – Right of Way

CON – Construction

HOP – Highway Occupancy Permit. Required for a property to access a PennDOT road.

LOS – Level of Service

TIA – Traffic Impact Assessment

TIS – Traffic Impact Study. Balances the impact on the surrounding road system development.

PLANNING TOOLS

CIP – Capital Investment Program. A list of funding and major projects over the LRTP.

CMP – Congestion Management Process

GIS – Geographic Information System

LEP – Limited English Proficiency Plan

LRTP – Long Range Transportation Plan

MOU – Memorandum of Understanding

PPP – Public Participation Plan

RSA – Roadway Safety Audit

STIP – Statewide Transportation Improvement Program

TIP – Transportation Improvement Program. A four-year plan for all transportation projects.

UPWP – Unified Planning Work Program

GENERAL TRANSPORTATION TERMS:

AADT – Annual Average Daily Traffic

ADTT – Average Daily Truck Traffic

HOV – High Occupancy Vehicle

IRI – International Roughness Index. A road maintenance measure.

ITS – Intelligent Transportation Systems

SOV – Single Occupancy Vehicle

TDM – Travel Demand Model

TSMO – Transportation Systems Management and Operations.

GENERAL TRANSPORTATION TERMS CONT'D:

TTI – Travel Time Index

VMT – Vehicle Miles Traveled

PROJECT TYPE SYMBOLS:



Bridge



Roadway



Interchange

EXECUTIVE SUMMARY

2021-2024 ADAMS COUNTY TRANSPORTATION IMPROVEMENT PROGRAM

Draft 2021 TIP FFY 2021-2024

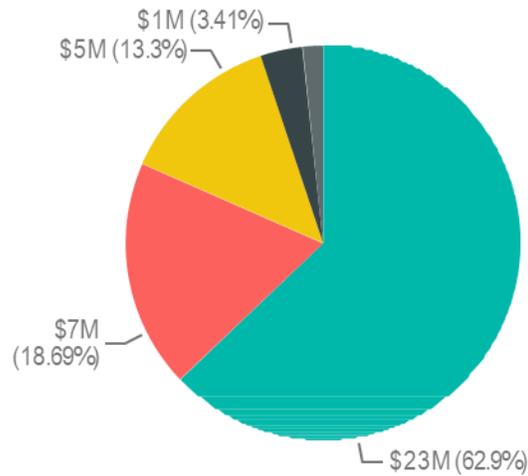
Program Phase Amount by Planning Partner

Phase CON FD ROW PE UTL

Number of MPMS
Projects (Includes Line
Items)
21

Construction Program
Amt (Includes Line
Items)
\$23M

Program Phase Amount
(Includes Line Items)
\$36M



New Projects (Excludes
Line Items)
1

Carryover Projects
(Excludes Line Items)
16

MPMS - PROJECT ID IN THE MULTIMODAL PROJECT MANAGMENT SYSTEM

EXECUTIVE SUMMARY

2021-2024 ADAMS COUNTY TRANSPORTATION IMPROVEMENT PROGRAM

2021 MPO TIP BREAKDOWN

Funding Type and Number of MPMS

Fund Type	Count of MPMS	Program Phase Amount
183	2	\$387,201
185	7	\$4,241,799
581	5	\$11,277,000
BOF	4	\$2,348,000
HSIP	1	\$3,516,000
LOC	2	\$128,944
NHPP	4	\$7,557,000
STP	8	\$6,430,000
Total	21	\$35,885,944

Count of MPMS by Improvement

Improvement	Count of MPMS
Bridge Preservation Activities	1
Interchange Improvement	1
New Roadway	1
Safety Improvement	1
Miscellaneous	2
Bridge Rehabilitation	4
Bridge Replacement	5
Bridge Improvement	6
Total	21

Programmed Amount by Improvement and Year

Improvement	1	2	3	4	Total
Bridge Improvement	\$1,749,117	\$2,447,715	\$3,643,737	\$2,141,712	\$9,982,281
Bridge Preservation Activities	\$600,000	\$600,000			\$1,200,000
Bridge Rehabilitation	\$950,000	\$1,088,000	\$1,913,000		\$3,951,000
Bridge Replacement	\$2,361,233	\$1,453,000	\$424,000	\$1,000,000	\$5,238,233
Interchange Improvement				\$2,000,000	\$2,000,000
Miscellaneous	\$61,650	\$253,266	\$538,888	\$85,517	\$939,321
New Roadway	\$1,126,000	\$1,044,000	\$2,759,000	\$4,130,109	\$9,059,109
Safety Improvement	\$879,000	\$879,000	\$879,000	\$879,000	\$3,516,000
Total	\$7,727,000	\$7,764,981	\$10,157,625	\$10,236,338	\$35,885,944

EXECUTIVE SUMMARY

2021-2024 ADAMS COUNTY TRANSPORTATION IMPROVEMENT PROGRAM

2021 MPO TIP BREAKDOWN

Improvement by Funding Type Amount

Improvement	183	185	581	BOF	HSIP	LOC	NHPP	STP	Total
Bridge Improvement	\$237,201	\$2,506,690		\$2,242,000		\$78,944		\$4,917,446	\$9,982,281
Bridge Preservation Activities			\$1,200,000						\$1,200,000
Bridge Rehabilitation		\$213,000	\$1,450,000	\$106,000			\$1,913,000	\$269,000	\$3,951,000
Bridge Replacement	\$150,000	\$838,000	\$252,000			\$50,000	\$2,955,000	\$993,233	\$5,238,233
Interchange Improvement							\$2,000,000		\$2,000,000
Miscellaneous							\$689,000	\$250,321	\$939,321
New Roadway		\$684,109	\$8,375,000						\$9,059,109
Safety Improvement					\$3,516,000				\$3,516,000
Total	\$387,201	\$4,241,799	\$11,277,000	\$2,348,000	\$3,516,000	\$128,944	\$7,557,000	\$6,430,000	\$35,885,944

Miscellaneous Improvement Projects

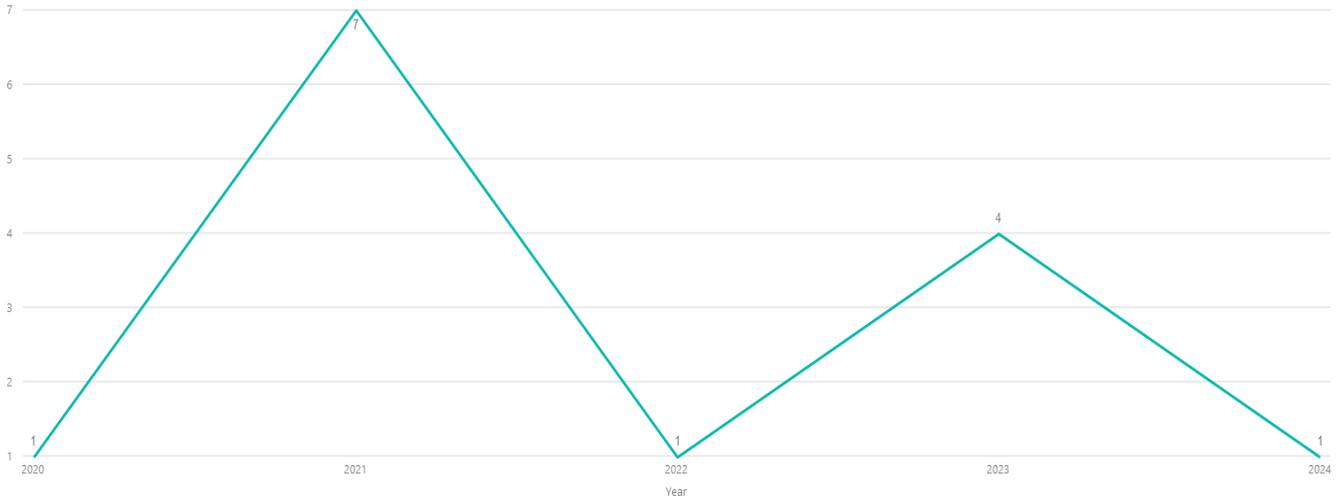
Program Year	82372-SRTP Rideshare Program	87793-Highway Reserve
1	\$61,650	
STP	\$61,650	
2	\$62,266	\$191,000
NHPP		\$191,000
STP	\$62,266	
3	\$62,888	\$476,000
NHPP		\$476,000
STP	\$62,888	
4	\$63,517	\$22,000
NHPP		\$22,000
STP	\$63,517	
Total	\$250,321	\$689,000

EXECUTIVE SUMMARY

2021-2024 ADAMS COUNTY TRANSPORTATION IMPROVEMENT PROGRAM

TIP ESTIMATED LET BY YEAR

Number of Projects Being Let By Year



EXECUTIVE SUMMARY

2021-2024 ADAMS COUNTY TRANSPORTATION IMPROVEMENT PROGRAM

TIP PROJECTS (FIRST FOUR YEARS)

The following chart lists the types of projects and locations of the projects on the 2021—2024 TIP.

MUNICIPALITY	PROJECT TYPE	PROJECT LOCATION
Conewago Township		
	New Road/Highway Construction	Eisenhower Drive
Cumberland Township		
	Bridge Improvement	PA 116/ Tributary to Willoughby Run
	Bridge Superstructure Replacement	Millerstown Road
and Mt. Joy Township	Bridge Improvement	Mason Dixon Road / Rock Creek
Franklin Township		
	Bridge Replacement	Mummasburg Road
Germany Township		
	Bridge Improvement	PA 97 (Baltimore Pike)/ Piney Creek
	Bridge Improvement	Mengus Mill Road
and Mt. Joy Township	Bridge Replacement	Harney Road / Alloway Creek
Highland Township		
	Bridge Rehabilitation	PA 116/ Marsh Creek
Huntington Township		
	Bridge Replacement	Weirmans Mill Road
Latimore Township		
	Bridge Rehabilitation	Latimore Valley Road
Menallen Township		
	Bridge Improvement	Carlisle Road/ Opossum Creek
Mount Joy Township		
and Cumberland Township	Bridge Improvement	Mason Dixon Road / Rock Creek
and Germany Township	Bridge Replacement	Harney Road / Alloway Creek
Reading Township		
	Bridge Improvement	Stoney Point Road/ Markel Run
Straban Township		
	Interchange Improvement	US 15/ US 30
	Bridge Replacement	Shrivers Corner Road/ Rock Creek
and Tyrone Township	Bridge Improvement	Oxford Road/ Conewago Creek
Tyrone Township		
and Straban Township	Bridge Improvement	Oxford Road/ Conewago Creek

PROJECT SELECTION PROCESS

PROJECT SELECTION PROCESS

The 2021 TIP update includes one (1) new bridge project that was not currently listed on the 2019 TIP. The following process was designed in the 2012 Long Range Transportation Plan (LRTP) to assist the Adams County Transportation Planning Organization (ACTPO) in selecting transportation projects. The process was not intended to be the sole input into the selection process. The final decision on project selection rests with the ACTPO Board.

NEW PROJECTS

Candidate projects involving PennDOT-owned and maintained structures were identified by the PennDOT District 8-0 staff. Candidate bridge projects involving County or Municipality-owned and maintained structures were identified by the ranking system approved by the ACTPO Board, working in conjunction with the County Bridge Engineer, who inspects all 67 local bridges. Adams County saw an 18% reduction in funding allocation between the 2019 and 2021 TIP's due to changes to the Statewide Financial Guidance. As a result, after considering the carryover of existing projects from the 2019 TIP, the following project was added to the 2021 TIP:

Bridge Projects

1. Alloway Creek Bridge – Harney Road (SR 1014)

PROJECTS IMPLEMENTED FROM THE 2019 TIP

Below is a list of the projects from the 2019-2022 TIP that were implemented during the TIP cycle and will not be carried over to the 2021-2024 TIP. These projects span the category list including Highway Maintenance, Bridge, At-grade Rail- road Crossings, and Bicycle and Pedestrian Projects.

1. US 15 Safety Improvements (MPMS# 102333) – **Anticipated Let on 5/18/20.**
2. PA 94 & 394 Intersection Improvement – **Under Construction**
3. Baltimore Pike Resurfacing 3 (105336) – **Completed**
4. Heidlersburg Road Bridge (87426) – **Completed**
5. PA 234 Bridge (90693) – **Completed**
6. Mud Run Bridge (78638) – **Completed**
7. Water Street Bridge (87430) – **Completed**
8. Gettysburg Area Trail System (Inner Loop) Phases A1 & A2 – **Completed**

PROJECTS DELAYED FROM THE 2019 TIP

This is a listing of projects from the 2019 TIP that are not on the 2021 TIP. Adams County saw an 18% reduction in funding allocation between the 2019 and 2021 TIP's due to changes to the Statewide Financial Guidance. As a result, the following projects had to be delayed to complete carryover projects that are already under design. These projects have been moved to either the 2021 Twelve Year Program or will completed by department forces.

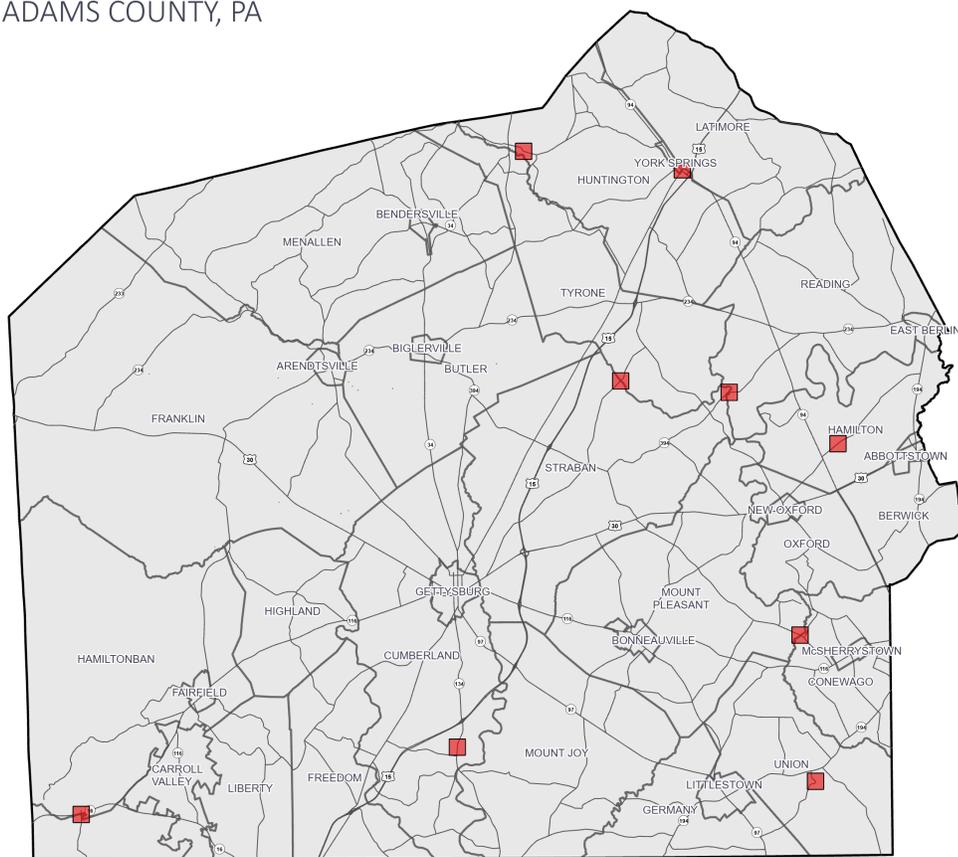
1. Conewago Creek Bridge 2, Red Bridge Road (MPMS# 78642) – Bridge Improvement
2. State Street Bridge, York Springs, SR 3001 (87432) – Bridge Improvement
3. Conewago Creek Bridge, SR 394 (90698) – Bridge Improvement
4. Pine Run Road Bridge (90702) – Bridge Improvement
5. Bermudian Creek Bridge (90707) – Bridge Improvement
6. Centennial Road Bridge PM (99743) – Bridge Preservation
7. Bollinger Road Bridge PM (99756) – Bridge Preservation
8. Taneytown Road Bridge (99815) – Bridge Improvement
9. Harbaugh Valley Road Bridge (99862) – Bridge Preservation

2021 - 2024 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)



PROJECTS DELAYED FROM 2019 TIP

ADAMS COUNTY, PA



Legend

- Delayed Project
- State Route
- Municipal Boundary

Source: PennDOT, ACOPI

TIP DEVELOPMENT TIMELINE

Date	Activity
July 2019	Receive TIP General and Procedural Guidance and Financial Guidance from PennDOT
July 2019	2021 TIP Update Kickoff Meeting (ACTPO)
October 2019	Discussion of Candidate HSIP Project with District 8-0 staff.
October 2019	Review of Candidate Local Bridge Projects with Adams County Bridge Engineer and ACTPO Board.
November 2019	Draft 2021 TIP carryover projects received from District 8-0.
January 2020	Draft 2021 TIP presented to ACTPO Board
April/May 2020	Prepare Final Draft TIP and related documents for public comment period.
June/July 2020	Hold 30-day public comment period and public meeting.
July 2020	Present Final TIP, Air Quality Conformity, Environmental Justice and other required reports to ACTPO for approval/adoption.
July 2020	Prepare TIP submission package for transmission to PennDOT Central Office.