



Roanoke Valley Transportation
PLANNING ORGANIZATION

A Program of the
REGIONALcommission

Transportation Improvement Program

for the

ROANOKE VALLEY TRANSPORTATION PLANNING ORGANIZATION

Federal Fiscal Years 2024-2027

Adopted April 27, 2023

Amended:
Adjusted: June 1, 2023

**Roanoke Valley Transportation Planning Organization
Federal Fiscal Years 2024-2027 Transportation Improvement Program
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 Bob Cowell (City of Roanoke CAO)
 Craig Meadows (Montgomery County CAO)
 Cody Sexton (Town of Vinton Designee)
 Gary Larrowe or Jon Lanford (Botetourt County)

RVTPO SECRETARY

Jeremy Holmes, RVARC Executive Director

PROJECT STAFF

Bryan W. Hill, AICP, CZA, Regional Planner III,
 TIP Administrator
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Acknowledgement

This report was prepared by the Roanoke Valley-Alleghany Regional Commission (RVARC) staff in cooperation with and assistance by the: Virginia Department of Rail and Public Transportation (DRPT), Virginia Department of Transportation (VDOT), Roanoke Valley Transportation Planning Organization (RVTPPO) member localities, Greater Roanoke Transit Company (GRTC/Valley Metro), and RADAR (Unified Human Services Transportation Systems, Inc.).

Disclaimer

The contents of this report reflect the views of the Roanoke Valley Transportation Planning Organization. The Roanoke Valley-Alleghany Regional Commission (RVARC) staff is responsible for the facts and the accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the Federal Highway Administration, Federal Transit Administration, Virginia Department of Transportation, Virginia Department of Rail and Public Transportation, Valley Metro, RADAR, or the RVARC. This report does not constitute a standard, specification, or regulation. FHWA, FTA, VDOT and DRPT acceptance of this report as evidence of fulfillment of the objectives of this program does not constitute endorsement/approval of the need for any recommended improvements nor does it constitute approval of their location and design or a commitment to fund any such improvements. Additional project level environmental impact assessments and/or studies of alternatives may be necessary.

The data presented in this report is provided by VDOT, DRPT, GRTC and RADAR; and the data is compiled and presented by RVARC staff.

Non-Discrimination

The Roanoke Valley Transportation Planning Organization (RVTPPO) fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. The RVTPPO will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. For more information on meeting accessibility, or to obtain a Title VI Complaint Form, see www.rvarc.org or call the Title VI Coordinator at 540-343-4417.

Transportation Improvement Program Abstract

The Roanoke Valley Transportation Planning Organization (RVTPPO) is recognized as the official transportation planning agency for the Roanoke, Virginia Urbanized Area as required by federal law. For the region to receive federal funds for use on highway, transit, non-motorized, and multimodal systems, the RVTPPO is required to develop a Transportation Improvement Program (TIP). The Transportation Improvement Program (TIP) is a four-year financial program that describes the schedule for obligating federal funds to state and local projects. For all non-transit projects in the region, the TIP serves as the document to obtain authority from the Federal Highway Administration to commit obligate (or commit) funds to a project.

The TIP contains federal funding information for all modes of transportation including highways, transit and pedestrian facilities. Additionally, the TIP also reflects projects and priorities identified in the Roanoke Valley Transportation Plan. The RVTPPO works closely with the Virginia Departments of Transportation and Rail & Public Transportation, as well as local transit operators, to update and amend the TIP each year as funding conditions change. Finally, the RVTPPO publishes an annual listing of TIP projects for which have federal funds have been obligated.

The 27th day of April 2023

RESOLUTION

Adoption of the FFY2024-2027 Transportation Improvement Program as a Component of the Roanoke Valley Transportation Plan

WHEREAS, federal regulations implemented as a result of the 2021 Infrastructure Investment and Jobs Act require urbanized area metropolitan planning organizations to develop and approve a fiscally constrained four-year transportation improvement program documenting planned obligations for transportation investments in the Roanoke Valley; and,

WHEREAS, the Federal Fiscal Year (FFY) 2024-2027 Transportation Improvement Program (TIP) satisfies these federal requirements; and,

WHEREAS, the TIP is the result of a continuing, comprehensive, and cooperative (3-C) performance-based transportation planning and programming (PBPP) process; and,

WHEREAS, federal transportation performance measures have been integrated into the RVTPO's PBPP process and are aligned with the region's transportation system goals and objectives; and,

WHEREAS, the RVTPO acknowledges the region's current transportation system performance and considered system performance targets and limitations on funding availability to obligate in the TIP in support of funded projects approved in the Roanoke Valley Transportation Plan (RVTP); and,

WHEREAS, in accordance with the Roanoke Valley Transportation Planning Organization's Public Participation Plan from May 27, 2021, public input has been sought on the TIP and public input on the RVTP's funded projects with planned obligations in FFY24-27 have been considered.

NOW, THEREFORE BE IT RESOLVED, that the Policy Board of the Roanoke Valley Transportation Planning Organization adopts the FFY2024-2027 Transportation Improvement Program as a component of the Roanoke Valley Transportation Plan.



Billy W. Martin, Sr.
Chair

***METROPOLITAN TRANSPORTATION PLANNING AND PROGRAMMING PROCESS
SELF-CERTIFICATION STATEMENT***

In accordance with 23 CFR 450.336, the Virginia Department of Transportation, the Virginia Department of Rail and Public Transportation, and the Roanoke Valley Transportation Planning Organization (d.b.a. RVTPO), but officially known as the Roanoke Valley Area Metropolitan Planning Organization) for the Roanoke, VA urbanized area hereby certify that the transportation planning and programming process is being conducted in accordance with all applicable requirements of:

- (1) 23 U.S.C. 134, 49 U.S.C. 5303, and 23 CFR part 450 Subpart C (Metropolitan Planning);
- (2) In nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93 (Conformity Determination);
- (3) Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d–1) & 49 CFR part 21;
- (4) 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- (5) Section 1101(b) of the FAST ACT (Pub. L. 114–357) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects (DBE Involvement);
- (6) 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- (7) The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37, and 38;
- (8) The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- (9) Section 324 of Title 23 U.S.C., regarding the prohibition of discrimination based on gender; and
- (10) Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

TPO POLICY BOARD: Cities of Roanoke and Salem; Counties of Bedford, Botetourt, Montgomery and Roanoke; Town of Vinton; Greater Roanoke Transit Company (*Valley Metro*); Roanoke-Blacksburg Regional Airport; Virginia Department of Rail & Public Transportation; Virginia Department of Transportation

Roanoke Valley Area MPO

Jeremy Holmes

Signature

Jeremy Holmes
Printed Name

Executive Director
Title

June 29, 2023
Date

Virginia Department of Transportation

Kenneth H. King Jr.

Signature

Kenneth H. King Jr. PE
Printed Name

Salem District Engineer
Title

6-26-2023
Date

Introduction

The Roanoke Valley Transportation Planning Organization (RVTPO) is recognized as the official transportation planning agency for the Roanoke, Virginia Urbanized Area as required by federal law. For the region to receive federal funds for use on highway, transit, non-motorized, and multimodal systems, the RVTPO is required to develop a Transportation Improvement Program (TIP). Staff at the RVTPO developed this TIP for the MPO area which includes the 2010 Census urbanized area as well as the area projected to be urbanized by 2045. The RVTPO TIP was developed in cooperation with the Virginia Department of Transportation (VDOT), the Virginia Passenger Rail Authority (VPR), the Virginia Department of Rail and Public Transportation (DRPT), local public transportation operators, and the local governments within the urbanized area. These officials, through the Metropolitan Planning Process, select and schedule projects for endorsement in the TIP. The Transportation Improvement Program may be modified as described in the [Amendment/Adjustment Process](#).

The Transportation Improvement Program (TIP) is a four-year financial program that describes the schedule for obligating federal funds to state and local projects. For all non-transit projects in the region, the TIP serves as the document to obtain authority from the Federal Highway Administration to commit obligate (or commit) funds to a project.

The TIP contains federal planned obligation information for all modes of transportation including highways, transit and pedestrian facilities and is consistent with the projects and priorities identified in the Roanoke Valley Transportation Plan (RVTP). The RVTPO works closely with VDOT and DRPT, as well as local transit operators, to update and amend the TIP as funding conditions change. Finally, the RVTPO annually updates project information in the RVTP and TIP to reflect actual obligations of federal funds to funded projects/services.

The TIP identifies capital and operating projects/services with planned federal obligations over a four-year period during federal fiscal years 2024 through 2027 (October 1, 2023 to September 30, 2027). The TIP serves as the transit “program of projects” for which public involvement is conducted through the RVTPO’s Public Participation Plan.

In accordance with 23 CFR 450.318(i), any project included in the TIP shall be consistent with the approved Metropolitan Transportation Plan (Roanoke Valley Transportation Plan). Once approved, the TIP is incorporated without change into the Statewide Transportation Improvement Program or STIP. The TIP makes progress toward achieving the RVTPO’s adopted performance measure targets as shown in the [System Performance Report Attachment](#).

Public and Stakeholder Involvement

In accordance with the RVTPO’s Public Participation Plan, the public has been afforded several opportunities to comment upon the development of the TIP. For more information on the public engagement process for the TIP, please refer to the [Public Engagement Summary](#).

The Comprehensive, Continuing, Cooperative, or “3C” Process of the RVTPO, provides a natural mechanism by which the TIP can be carefully reviewed and updated. Changes to the TIP are handled via administrative adjustments for minor changes or amendments for major changes to ungrouped projects or a project grouping category as described in the [Amendments/Adjustments Process](#). Amendments to the TIP also offer the opportunity for public involvement.

The Greater Roanoke Transit Company (d.b.a. Valley Metro) satisfies the public hearing requirements per FTA Circular 9030.1E through the Transportation Improvement Program (TIP) development process

of the RVTPO. The TIP public notice of public involvement activities and time established for public review and comment on the TIP meets the requirements for the Program of Projects of the Urbanized Area Formula Program as outlined in 49 U.S.C. 5307. The FTA Circular 9030.1E, allows the RVTPO public participation requirements for the TIP to be used in lieu of a local process when developing the required FTA Program of Projects (POP). A POP is a list or program of projects utilizing FTA funds. The first year of an approved TIP constitutes a list of "agreed to" projects for FTA purposes. To make it clear to the public, the public notice for the POP will state the TIP process is being used and it satisfies the FTA public involvement requirements for developing a POP. Before any Section 5307 or Section 5339 projects are added to the TIP, a public hearing is advertised, allowing comments on the proposed POP. Once that process is complete, projects are approved for the TIP by the RVTPO Policy Board, through a recommendation of its Transportation Technical Committee.

Ungrouped vs. Grouped Projects

The TIP lists some individual (ungrouped) projects whereas most funded projects are grouped together as part of a grouping category. The grouping of funded projects allows flexibility to make funding adjustments more easily to projects that don't merit the need for oversight and public involvement thus reducing paperwork. These projects may be grouped by function, work type, and/or geographic area using applicable classifications under [23 CFR 771.117\(c\) and \(d\)](#).

The RVTPO, VDOT, and DRPT coordinate on grouping or ungrouping projects every three years during the TIP development process or as needed in the years between during the amendment/adjustment process.

Grouping of Funded Roadway/Bicycle/Pedestrian/Rail Projects

No funded roadway/bicycle/pedestrian projects in the RVTPO area are considered to be regionally significant by the Virginia Department of Transportation because the Roanoke Valley is in an air quality attainment region, and none of the projects need to be analyzed for air quality conformity. Regional significance is defined differently by the federal definition and by the adopted RVTPO definition, but the state interpretation is what is being applied in this Transportation Improvement Program (TIP). Moreover, as defined in [23 CFR 450.104](#), regionally significant projects exclude those that may be grouped in the TIP. Therefore, the majority of projects in the FFY24-27 TIP are not regionally significant based upon this regulation.

The FHWA and FTA give the RVTPO the ability to determine how much planned federal obligation funding information it wishes to exercise oversight for in the TIP. By grouping most roadway/bicycle/pedestrian/rail projects, the RVTPO will only be notified by VDOT if the total group cost estimate exceeds allowable overrun amounts upon which it would need to be approved by the Board with consideration of public comment. As such, the RVTPO will not monitor annual planned federal obligations and schedule information for virtually all roadway/bicycle/pedestrian/rail projects in the region.

RVTPO FFY24-27 Roadway/Bicycle/Pedestrian/Rail Total Cost Estimate by Project Groupings

Project Grouping Category	Total Cost Estimate of Group
Construction: Bridge Rehabilitation/Replacement/Reconstruction	\$43,170,414
Construction: Federal Lands Highway	\$1,733,750
Construction: Safety/ITS/Operational Improvements	\$1,093,287,898
Construction: Transportation Enhancement/Byway/Non-Traditional	\$73,727,803
Maintenance: Preventive Maintenance and System Preservation	\$104,336,573
Maintenance: Preventive Maintenance for Bridges	\$77,508,932

Maintenance: Traffic and Safety Operations	\$11,824,327
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Ungrouped Funded Roadway/Bicycle/Pedestrian/Rail Projects

One project required more environmental analysis, not related to air quality, and for that reason VDOT has requested it be listed individually or ungrouped in the TIP. RVTPO staff will track planned obligations and schedule for this project as information is provided by VDOT.

UPC NO	688	SCOPE	Reconstruction w/o Added Capacity			
SYSTEM	Urban	JURISDICTION	Roanoke	OVERSIGHT	NFO	
PROJECT	13TH STREET IMPROVEMENTS			ADMIN BY	VDOT	
DESCRIPTION	FROM: .046 MILE SOUTH OF CHURCH AVENUE TO: INT. OF NORFOLK AVENUE (0.2443 MI)					
ROUTE/STREET	13TH ST (U000)			TOTAL COST	\$25,294,957	
	FUND SOURCE	MATCH	FY24	FY25	FY26	FY27
CN	Federal – NHS/NHPP	\$0	\$3,074,186	\$0	\$0	\$0
	Federal – STP/STBG	\$59,323	\$237,291	\$0	\$0	\$0
	Other	\$450,619	\$450,619	\$0	\$0	\$0
CN TOTAL		\$509,942	\$3,762,096	\$0	\$0	\$0
CN AC	Federal – AC OTHER	\$0	\$3,172,621	\$0	\$0	\$0

Ungrouped Project: (Note: VDOT to provide updated annual planned obligations for FFY24-27 by mid-January 2023.)

Items Included for Administrative Purposes

The following non-project items are administrative in nature and are shown separately from ungrouped projects. This list includes GARVEE bond debt service for projects currently in the TIP.

UPC NO	110395		SCOPE			
SYSTEM	Interstate	JURISDICTION	Roanoke County		OVERSIGHT	NFO
PROJECT	#HB2 FY17 I-81 AUX LN FR EXIT 141 - 143 GARVEE DEBT SERVICE				ADMIN BY	VDOT
DESCRIPTION						
PROGRAM NOTE	Includes \$3,480,347 GARVEE Debt Service Interest Prev, \$695,246 FFY24 GARVEE Debt Service Interest, \$667,675 GARVEE Debt Service Interest FFY25, \$607,737 GARVEE Debt Service Interest FFY26, \$544,853 GARVEE Debt Service Interest FFY27, \$2,140,800 GARVEE Debt Service Interest FFY28-38. Total GARVEE Debt Service Interest \$8,136,658. Corresponding CN UPC 108906.					
ROUTE/STREET	0081				TOTAL COST	\$16,827,213
	FUND SOURCE	MATCH	FY24	FY25	FY26	FY27
PE	Federal – AC CONVERSION	\$0	\$0	\$667,675	\$607,737	\$544,853
RW	Federal – NHS/NHPP	\$0	\$695,246	\$0	\$0	\$0
CN TOTAL		\$0	\$695,246	\$667,675	\$607,737	\$544,853
PE AC	Federal – AC	\$0	\$3,961,065	\$0	\$0	\$0

UPC NO	111983		SCOPE			
SYSTEM	Interstate	JURISDICTION	Roanoke County		OVERSIGHT	NFO
PROJECT	#SMART18 – 81 SB Aux Ln frm Exit 143 -141 GARVEE Debt Service				ADMIN BY	VDOT
DESCRIPTION						
PROGRAM NOTE	Includes \$424,071 FFY24 GARVEE Debt Service Interest, \$464,749 GARVEE Debt Service Interest FFY25, \$439,246 GARVEE Debt Service Interest FFY26, \$412,640 GARVEE Debt Service Interest FFY27, \$2,418,619 GARVEE Debt Service Interest FFY28-38. Total GARVEE Debt Service Interest \$4,159,325. Corresponding CN UPC 111373.					
ROUTE/STREET	0081				TOTAL COST	\$5,791,593
	FUND SOURCE	MATCH	FY24	FY25	FY26	FY27
PE	Federal – AC CONVERSION	\$0	\$0	\$464,749	\$439,246	\$412,640
RW	Federal – NHS/NHPP	\$0	\$424,071	\$0	\$0	\$0
CN TOTAL		\$0	\$424,071	\$464,749	\$439,246	\$412,640
PE AC	Federal – AC	\$0	\$3,735,254	\$0	\$0	\$0

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UPC NO	121433	SCOPE				
SYSTEM	Primary	JURISDICTION	Roanoke County	OVERSIGHT	NFO	
PROJECT	#SMART20 RTE 419&220 DIVERGING DIAMOND GARVEE DEBT SERVICE			ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.5 Mi. W. Rte. 220 TO: 0.23 Mi. E.. Rte. 220 (0.7300 MI)					
PROGRAM NOTE	Includes \$108,628 GARVEE Debt Service Interest FFY24, \$119,047 GARVEE Debt Service Interest FFY25, \$112,515 GARVEE Debt Service Interest FFY26, \$105,700 GARVEE Debt Service Interest FFY27, \$619,539 GARVEE Debt Service Interest FFY28-38, Total GARVEE Debt Service Interest \$1,065,429. Corresponding CN UPC 115460					
ROUTE/STREET	ELECTRIC ROAD (0419)			TOTAL COST	\$1,213,841	
	FUND SOURCE	MATCH	FY24	FY25	FY26	FY27
PE	Federal – AC CONVERSION	\$0	\$0	\$119,047	\$112,515	\$105,700
RW	Federal – NHS/NHPP	\$0	\$108,628	\$0	\$0	\$0
CN TOTAL		\$0	\$108,628	\$119,047	\$112,515	\$105,700
PE AC	Federal – AC	\$0	\$956,801	\$0	\$0	\$0

Ungrouped Funded Transit Projects and Services

Upon agreement by the FTA, DRPT, FHWA, and VDOT, the RVTPO Policy Board tracks and is requested to provide oversight over annual planned federal obligations for all transit projects. The ungrouped transit projects included in the FFY24-27 TIP are displayed in the following project sheets. For more detail on the information provided in the transit project sheets, as well as the most common federal funding programs for transit projects, or to better understand grouped and ungrouped projects, please refer to the [Acronyms/Definitions Attachment](#). Any administrative adjustments or amendments to grouped or ungrouped projects will be noted in the [Amendments/Adjustments Summary Attachment](#).

Summary of Ungrouped Transit Projects

State ID	Locality	RVTPO Title	Description
GRT0001	City of Roanoke	VM Fixed-Routes: 11, 12, 15, 16, 21, 22, 25, 26, 31, 32, 35, 36, 41, 42, 51, 52, 55, 56, 61, 62, 65, 66, 71, 72, 75, 76, 85, 86, 91, 92. SmartWay: Base, Express and Connector. Starline Trolley.	See the list of all fixed-route buses, SmartWay Base, Express and Connector and Starline Trolley.
GRT0002	City of Roanoke	Preventative Maintenance for Valley Metro Vehicles	Maintenance to keep vehicles/equipment running smoothly.
GRT0003	City of Roanoke	Replace Valley Metro transit vehicles	Fixed-route buses and paratransit service vehicles utilized by RADAR under contract to Valley Metro.
GRT0004	City of Roanoke	Valley Metro Support Vehicles	These are vehicles used by supervisors, dispatch, maintenance, admin, etc. that support the service but don't carry passengers.
GRT0005	City of Roanoke	Bus Stop Enhancements	Bus stop amenities may include trashcans, lights, benches, or shelters. The specific stops have not been identified.
GRT0006	City of Roanoke	Construction Maintenance Service Lot	A construction maintenance service lot designed for vehicles, equipment, and other maintenance related activities at Valley Metro.
GRT0007	City of Roanoke	ADP Software	Purchase of Automated Data Processing software of administrative purposes at Valley Metro.
GRT0008	Systemwide	Shop Equipment	Equipment used to maintain buses and non-bus support vehicles.
GRT0009	Systemwide	Electric Charging Infrastructure	Electric charging stations and equipment designed to accommodate future electric bus purchases.
RAD0001	Roanoke County	Purchase of RADAR paratransit vehicles	Capital assistance to support transportation for people with disabilities in the City of Roanoke, City of Salem, and the Town of Vinton beyond the 3/4-mile area around fixed routes to destinations within those localities.
ROA0001	Roanoke County	CORTRAN turnkey third-party provided operating assistance	Operating assistance for Via Transportation, Inc. under contract with Roanoke County to provide on-demand transit services for Roanoke County residents 70+ or of any age with a disability.

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Summary of Ungrouped Transit Project's Planned Obligations

		FY 2024	FY 2025	FY 2026	FY 2027	Total FY 2024-2027	
ROANOKE VALLEY AREA METROPOLITAN PLANNING ORGANIZATION							
STIP ID:	GRT0001	Title: Operating Assistance			Recipient: Greater Roanoke Transit Company		
FTA 5307		5,742,398	2,696,481	2,696,481	2,696,481	FTA 5307	13,831,841
FTA 5311		354,000	354,000	354,000	354,000	FTA 5311	1,416,000
State		3,100,000	3,100,000	3,100,000	3,100,000	State	12,400,000
Local		1,700,000	1,700,000	1,700,000	1,700,000	Local	6,800,000
Revenues		2,314,000	2,314,000	2,314,000	2,314,000	Revenues	9,256,000
Year Total:		13,210,398	10,164,481	10,164,481	10,164,481	Total Funds:	43,703,841
STIP ID:	GRT0002	Title: Preventative Maintenance			Recipient: Greater Roanoke Transit Company		
FTA 5307		719,062	719,062	719,062	719,062	FTA 5307	2,876,248
State		-	-	-	-	State	-
Local		179,765	179,765	179,765	179,765	Local	719,060
Year Total:	-	898,827	898,827	898,827	898,827	Total Funds:	3,595,308
STIP ID:	GRT0003	Title: Replacement Bus			Recipient: Greater Roanoke Transit Company		
FTA 5339			97,200			FTA 5339	97,200
FTA 5307				1,036,000	1,036,000	FTA 5307	2,072,000
STBG		4,768,121				STBG	4,768,121
State		1,192,031	248,400	2,516,000	2,516,000	State	6,472,431
Local			14,400	148,000	148,000	Local	310,400
Year Total:	-	5,960,152	360,000	3,700,000	3,700,000	Total Funds:	13,720,152
STIP ID:	GRT0004	Title: Support Vehicles			Recipient: Greater Roanoke Transit Company		
FTA 5339		48,000	48,000	48,000	48,000	FTA 5339	192,000
Flexible STP						Flexible STP	-
State		6,000	6,000	6,000	6,000	State	24,000
Local		6,000	6,000	6,000	6,000	Local	24,000
Year Total:	-	60,000	60,000	60,000	60,000	Total Funds:	240,000
STIP ID:	GRT0005	Title: Bus Stop Enhancements			Recipient: Greater Roanoke Transit Company		
FTA 5339		40,500	40,500	40,500	40,500	FTA 5339	162,000
State		103,500	103,500	103,500	103,500	State	414,000
Local		6,000	6,000	6,000	6,000	Local	24,000
Year Total:	-	150,000	150,000	150,000	150,000	Total Funds:	600,000
STIP ID:	GRT0006	Title: Rehab/Renovation of Admin/Maint Building			Recipient: Greater Roanoke Transit Company		
FTA 5307						FTA 5307	
State						State	
Local						Local	
Year Total:	-	-	-	-	-	Total Funds:	-
STIP ID:	GRT0006	Title: Construction Maintenance Service Lot			Recipient: Greater Roanoke Transit Company		
FTA 5339			680,000			FTA 5339	680,000
STBG						STBG	-
State			280,000			State	280,000
Local			40,000			Local	40,000
Year Total:	-	-	1,000,000	-	-	Total Funds:	1,000,000
Description:							
STIP ID:	GRT0007	Title: ADP Hardware			Recipient: Greater Roanoke Transit Company		
FTA 5339		4,000	4,000	4,000	4,000	FTA 5339	16,000
State						State	-
Local		1,000	1,000	1,000	1,000	Local	4,000
Year Total:	-	5,000	5,000	5,000	5,000	Total Funds:	20,000
Description:							

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STIP ID:		GRT0008 Title: Shop Equipment				Recipient: Greater Roanoke Transit Company	
FTA 5339		5,400	5,400	5,400	5,400	FTA 5339	21,600
State		13,800	13,800	13,800	13,800	State	55,200
Local		800	800	800	800	Local	3,200
Year Total:	-	20,000	20,000	20,000	20,000	Total Funds:	80,000
STIP ID:		GRT0009 Title: Electric Charging Infrastructure				Recipient: Greater Roanoke Transit Company	
FTA 5307				140,000		FTA 5307	140,000
State				340,000		State	340,000
Local				20,000		Local	20,000
Year Total:	-	-	-	500,000	-	Total Funds:	500,000
STIP ID:		RAD0001 Title: Paratransit Vehicles				Recipient: RADAR - UHSTS, Inc. Roanoke County	
FTA 5310		128,000	128,000	128,000	128,000	FTA 5310	512,000
State						State	-
Local		32,000	32,000	32,000	32,000	Local	128,000
Year Total:	-	160,000	160,000	160,000	160,000	Total Funds:	640,000
STIP ID:		ROA0001 Title: Capital Assistance				Recipient: County of Roanoke	
FTA 5310		240,000	240,000	240,000	240,000	FTA 5310	960,000
State		48,000	48,000	48,000	48,000	State	192,000
Local		12,000	12,000	12,000	12,000	Local	48,000
Year Total:	-	300,000	300,000	300,000	300,000	Total Funds:	1,200,000

Funding for the TIP

The TIP financial plan summarizes by year and by funding source the projected and planned obligation authority of VDOT for fiscal years 2024-2027. Funding for transit projects are listed on the transit project sheets. The following tables show that the program is financially constrained by year. These revenue sources are all reasonably expected to be made available and committed to the project phase during the programmed year of the TIP.

RVTPPO Federal Funding Categories and Fiscal Constraint by Year: Roadway, Bicycle and Pedestrian Projects, FFY 2024-2027

**TABLE C : Roanoke MPO
FEDERAL FUNDING CATEGORIES
FISCAL CONSTRAINT BY YEAR**

Highway Projects
FFY 2024 - 2027

Fund Source	FFY 2024		FFY 2025		FFY 2026		FFY 2027		TOTAL	
	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation
Federal										
BR	\$804,297	\$804,297	\$0	\$0	\$0	\$0	\$0	\$0	\$804,297	\$804,297
DEMO	\$1,644,075	\$1,644,075	\$0	\$0	\$0	\$0	\$0	\$0	\$1,644,075	\$1,644,075
HIP/F	\$67,473	\$67,473	\$580,436	\$580,436	\$0	\$0	\$0	\$0	\$647,909	\$647,909
HSIP	\$1,990,272	\$1,990,272	\$367,182	\$367,182	\$0	\$0	\$0	\$0	\$2,357,454	\$2,357,454
NHS/NHPP	\$8,420,806	\$8,420,806	\$108,249	\$108,249	\$2,687,759	\$2,687,759	\$0	\$0	\$11,216,814	\$11,216,814
RSTP (2)	\$3,863,867	\$3,863,867	\$801,624	\$801,624	\$3,579,985	\$3,579,985	\$405,964	\$405,964	\$8,651,440	\$8,651,440
STP/STBG	\$513,193	\$513,193	\$60,000	\$60,000	\$2,307,749	\$2,307,749	\$387,372	\$387,372	\$3,268,314	\$3,268,314
TAP	\$364,799	\$364,799	\$359,999	\$359,999	\$0	\$0	\$0	\$0	\$724,798	\$724,798
Subtotal -- Federal	\$17,668,782	\$17,668,782	\$2,277,490	\$2,277,490	\$8,575,493	\$8,575,493	\$793,336	\$793,336	\$29,315,101	\$29,315,101
Other										
Non-Federal	\$450,619	\$450,619	\$0	\$0	\$0	\$0	\$0	\$0	\$450,619	\$450,619
State Match	\$3,515,856	\$3,515,856	\$518,375	\$518,375	\$2,143,873	\$2,143,873	\$198,334	\$198,334	\$6,376,438	\$6,376,438
Subtotal -- Other	\$3,966,475	\$3,966,475	\$518,375	\$518,375	\$2,143,873	\$2,143,873	\$198,334	\$198,334	\$6,827,057	\$6,827,057
Total	\$21,635,257	\$21,635,257	\$2,795,865	\$2,795,865	\$10,719,366	\$10,719,366	\$991,670	\$991,670	\$36,142,158	\$36,142,158
Federal - ACC (1)										
HSIP	\$1,416,420	\$1,416,420	\$253,382	\$253,382	\$0	\$0	\$0	\$0	\$1,669,802	\$1,669,802
NHS/NHPP	\$1,600,000	\$1,600,000	\$4,470,737	\$4,470,737	\$5,482,336	\$5,482,336	\$4,263,193	\$4,263,193	\$15,816,266	\$15,816,266
RSTP (2)	\$0	\$0	\$782,862	\$782,862	\$979,944	\$979,944	\$1,675,941	\$1,675,941	\$3,438,747	\$3,438,747
STP/STBG	\$1,067,339	\$1,067,339	\$0	\$0	\$0	\$0	\$2,012,628	\$2,012,628	\$3,079,967	\$3,079,967
Subtotal -- Federal - ACC (1)	\$4,083,759	\$4,083,759	\$5,506,981	\$5,506,981	\$6,462,280	\$6,462,280	\$7,951,762	\$7,951,762	\$24,004,782	\$24,004,782
Statewide and/or Multiple MPO - Federal (3)										
NHS/NHPP	\$1,031,697	\$1,031,697	\$0	\$0	\$0	\$0	\$0	\$0	\$1,031,697	\$1,031,697
Subtotal -- Statewide and/or Multiple MPO - Federal (3)	\$1,031,697	\$1,031,697	\$0	\$0	\$0	\$0	\$0	\$0	\$1,031,697	\$1,031,697
Maintenance - Federal (4)										
BR	\$850,620	\$850,620	\$6,450,972	\$6,450,972	\$19,947,300	\$19,947,300	\$11,502,750	\$11,502,750	\$38,751,642	\$38,751,642
NHFP	\$4,147,232	\$4,147,232	\$4,147,232	\$4,147,232	\$4,147,232	\$4,147,232	\$4,147,232	\$4,147,232	\$16,588,928	\$16,588,928
NHS/NHPP	\$4,678,788	\$4,678,788	\$10,709,744	\$10,709,744	\$4,678,788	\$4,678,788	\$4,678,788	\$4,678,788	\$24,746,108	\$24,746,108

FFY 2024 - 2027

Fund Source	FFY 2024		FFY 2025		FFY 2026		FFY 2027		TOTAL	
	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation
STP/STBG	\$26,126,590	\$26,126,590	\$30,360,410	\$30,360,410	\$26,335,798	\$26,335,798	\$26,443,076	\$26,443,076	\$109,265,874	\$109,265,874
Subtotal -- Maintenance - Federal (4)	\$35,803,230	\$35,803,230	\$51,668,358	\$51,668,358	\$55,109,118	\$55,109,118	\$46,771,846	\$46,771,846	\$189,352,552	\$189,352,552

- (1) ACC -- Advance Construction -- Funding included in Federal Category based on year of AC Conversion
- (2) CMAQ/RSTP includes funds for TRANSIT projects
- (3) Statewide and/or Multiple MPO - Federal - Funding to be obligated in Multiple MPO Regions and/or Statewide for projects as identified
- (4) Maintenance Projects - Funding to be obligated for maintenance projects as identified

RVTPO Federal Funding Categories and Fiscal Constraint Summary by Transit Agency

Roanoke Valley Transportation Plan
 Transportation Improvement Program FFY 2024-2027



Greater Roanoke Transit Company	FFY 2024	FFY 2025	FFY 2026	FFY 2027	TOTAL FFY 2024-2027	
FTA 5307	6,461,460	3,415,543	4,591,543	4,451,543	FTA 5307	18,920,089
FTA 5309	-	-	-	-	FTA 5309	-
FTA 5310	-	-	-	-	FTA 5310	-
FTA 5311	354,000	354,000	354,000	354,000	FTA 5311	1,416,000
FTA 5314	-	-	-	-	FTA 5314	-
FTA 5337	-	-	-	-	FTA 5337	-
FTA 5339	97,900	875,100	97,900	97,900	FTA 5339	1,168,800
FTA ADTAP	-	-	-	-	FTA ADTAP	-
FTA DPF	-	-	-	-	FTA DPF	-
FTA TIGER	-	-	-	-	FTA TIGER	-
FBD	-	-	-	-	FBD	-
Flexible STP	-	-	-	-	Flexible STP	-
STBG	4,768,121	-	-	-	STBG	4,768,121
FHWA TAP	-	-	-	-	FHWA TAP	-
Other Federal	-	-	-	-	Other Federal	-
State	4,415,331	3,751,700	6,079,300	5,739,300	State	19,985,631
Local	1,893,565	1,947,965	2,061,565	2,041,565	Local	7,944,660
Revenues	2,314,000	2,314,000	2,314,000	2,314,000	Revenues	9,256,000
Totals	-	20,304,377	12,658,308	15,498,308		63,459,301
RADAR - UHSTS, Inc. Roanoke County	FFY 2024	FFY 2025	FFY 2026	FFY 2027	TOTAL FFY 2024-2027	
FTA 5307	-	-	-	-	FTA 5307	-
FTA 5309	-	-	-	-	FTA 5309	-
FTA 5310	128,000	128,000	128,000	128,000	FTA 5310	512,000
FTA 5311	-	-	-	-	FTA 5311	-
FTA 5314	-	-	-	-	FTA 5314	-
FTA 5337	-	-	-	-	FTA 5337	-
FTA 5339	-	-	-	-	FTA 5339	-
FTA ADTAP	-	-	-	-	FTA ADTAP	-
FTA DPF	-	-	-	-	FTA DPF	-
FTA TIGER	-	-	-	-	FTA TIGER	-
FBD	-	-	-	-	FBD	-
Flexible STP	-	-	-	-	Flexible STP	-
STBG	-	-	-	-	STBG	-
FHWA TAP	-	-	-	-	FHWA TAP	-
Other Federal	-	-	-	-	Other Federal	-
State	-	-	-	-	State	-
Local	32,000	32,000	32,000	32,000	Local	128,000
Revenues	-	-	-	-	Revenues	-
Totals	-	160,000	160,000	160,000		640,000
County of Roanoke	FFY 2024	FFY 2025	FFY 2026	FFY 2027	TOTAL FFY 2024-2027	
FTA 5307	-	-	-	-	FTA 5307	-
FTA 5309	-	-	-	-	FTA 5309	-
FTA 5310	240,000	240,000	240,000	240,000	FTA 5310	960,000
FTA 5311	-	-	-	-	FTA 5311	-
FTA 5314	-	-	-	-	FTA 5314	-
FTA 5337	-	-	-	-	FTA 5337	-
FTA 5339	-	-	-	-	FTA 5339	-
FTA ADTAP	-	-	-	-	FTA ADTAP	-
FTA DPF	-	-	-	-	FTA DPF	-
FTA TIGER	-	-	-	-	FTA TIGER	-
FBD	-	-	-	-	FBD	-
Flexible STP	-	-	-	-	Flexible STP	-
STBG	-	-	-	-	STBG	-
FHWA TAP	-	-	-	-	FHWA TAP	-
Other Federal	-	-	-	-	Other Federal	-
State	48,000	48,000	48,000	48,000	State	192,000
Local	12,000	12,000	12,000	12,000	Local	48,000
Revenues	-	-	-	-	Revenues	-
Totals	-	300,000	300,000	300,000		1,200,000

Roanoke Valley TPO		FFY 2024	FFY 2025	FFY 2026	FFY 2027	TOTAL FFY 2024-2027	
FTA 5307		6,461,460	3,415,543	4,591,543	4,451,543	FTA 5307	18,920,089
FTA 5309		-	-	-	-	FTA 5309	-
FTA 5310		368,000	368,000	368,000	368,000	FTA 5310	1,472,000
FTA 5311		354,000	354,000	354,000	354,000	FTA 5311	1,416,000
FTA 5314		-	-	-	-	FTA 5314	-
FTA 5337		-	-	-	-	FTA 5337	-
FTA 5339		97,900	875,100	97,900	97,900	FTA 5339	1,168,800
FTA ADTAP		-	-	-	-	FTA ADTAP	-
FTA DPF		-	-	-	-	FTA DPF	-
FTA TIGER		-	-	-	-	FTA TIGER	-
FBD		-	-	-	-	FBD	-
Flexible STP		-	-	-	-	Flexible STP	-
STBG		4,768,121	-	-	-	STBG	4,768,121
FHWA TAP		-	-	-	-	FHWA TAP	-
Other Federal		-	-	-	-	Other Federal	-
State		4,463,331	3,799,700	6,127,300	5,787,300	State	20,177,631
Local		1,937,565	1,991,965	2,105,565	2,085,565	Local	8,120,660
Revenues		2,314,000	2,314,000	2,314,000	2,314,000	Revenues	9,256,000
Totals	-	20,764,377	13,118,308	15,958,308	15,458,308		65,299,301

As illustrated in the previous tables, there are a number of federal funding sources with which projects/services/studies could be and are funded. Please refer to [Acronyms/Definitions Attachment](#) for more information on the most common federal funding programs. Funded projects make up the first part of the region’s transportation financial plan followed by the second part of unfunded projects to be pursued. Project details are included in the Roanoke Valley Transportation Plan for each RVTPO approved project eligible for funding through the TIP.

Performance Measures Targets

Beginning in 2018, and pursuant to 23 CFR §450.306(d)(2), each MPO shall establish performance targets that address the performance measures or standards established under 23 CFR part 490 to use in tracking progress toward attainment of critical outcomes for the MPO region.

Beginning in the fall of 2017, the RVTPO has coordinated with VDOT, DRPT, Valley Metro, RADAR, the Federal Highway Administration, and the Federal Transit Administration to set and adopt performance measure targets. The target establishment dates vary based on the effective date of the federal Final Rule, the establishment of state targets by VDOT (no later than one year following effective date of Final Rule), and the development or acceptance of VDOT targets by the MPO (no later than 180 days after VDOT target is set). Regarding the performance measures targets and their relationship to the TIP, and pursuant to 23 CFR §450.326(c) and (d):

(c) The TIP shall be designed such that once implemented, it makes progress toward achieving the performance targets established under §450.306(d).

(d) The TIP shall include, to the maximum extent practicable, a description of the anticipated effect of the TIP toward achieving the performance targets identified in the metropolitan transportation plan, linking investment priorities to those performance targets.

Metropolitan Planning Organizations have the option to create their own Performance Targets or adopt those developed by VDOT. The RVTPO has historically adopted the VDOT and VDRPT targets for the required performance measures applicable to the RVTPO study area. The 2045 Roanoke Valley Transportation Plan includes a discussion of the performance measures and targets. Additionally, refer to the [System Performance Report Attachment](#) for a system performance report current to the time of most recent RVTTP adoption.