

Roanoke Valley Transportation  
**PLANNING ORGANIZATION**

Staffed by the  
**REGIONAL commission**



# TRANSPORTATION IMPROVEMENT PROGRAM

for the  
**ROANOKE VALLEY  
TRANSPORTATION PLANNING ORGANIZATION**

Federal Fiscal Years 2021-2024

APPROVED: June 25, 2020

AMENDED: June 24, 2021  
ADJUSTED: August 14, 2023

[WWW.RVTPO.ORG](http://WWW.RVTPO.ORG)



# RVTPO FY 2021-24 Transportation Improvement Program



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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: Federal Highway Administration (FHWA), Federal Transit Administration (FTA), Virginia Department of Rail and Public Transportation (DRPT), Virginia Department of Transportation (VDOT), Roanoke Valley Transportation Planning Organization (RVTPO) 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 Area Metropolitan Planning Organization. The 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 FHWA, FTA, VDOT, DRPT, 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.

## Roanoke Valley Transportation Planning Organization RVTPO Policy Board Membership – as of October 14, 2021

### **VOTING MEMBERS**

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The Honorable Mickey Johnson

#### **Botetourt County Representatives**

The Honorable Steve Clinton

The Honorable Billy Martin, Sr.\*

#### **Montgomery County Representative**

The Honorable Steve Fijalkowski

#### **Roanoke County Representatives**

The Honorable Phil North\*\*

The Honorable David Radford

#### **City of Roanoke Representatives**

The Honorable Robert L. Jeffrey, Jr.

The Honorable Stephanie Moon Reynolds

#### **City of Salem Representatives**

The Honorable Renee Turk

The Honorable Bill Jones

(Alternate: The Honorable Randy Foley)

#### **Town of Vinton Representatives**

The Honorable Keith Liles

The Honorable Mike Stovall

#### **Greater Roanoke Transit Company**

#### **(Valley Metro) Representative**

Kevin Price

#### **Roanoke-Blacksburg Regional Airport Representative**

Vacancy

#### **Virginia Department of Rail and**

#### **Public Transportation Representative**

Dan Sonenklar (Alternate: Grant Sparks)

#### **Virginia Department of Transportation**

#### **(Salem District) Representative**

Kenneth H. King, PE

(Alternate: Michael Gray)

### **NON-VOTING MEMBERS**

#### **Federal Highway Administration**

Kevin Jones

#### **Federal Transit Administration**

Vacancy

#### **Roanoke Valley-Alleghany Regional Commission**

J. Lee E. Osborne

#### **Chair of the RVTPO Transportation Technical Committee (Ex-Officio)**

Mark Jamison (Current TTC Chair)

#### **Local Government Chief Administrative Official/Designee (Ex-Officio)**

Richard Caywood (Roanoke County Designee)

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

Cristina D. Finch,

AICP, LEED AP, Director of Transportation

\*Chair

\*\*Vice-Chair

## FY 2021-2024 Transportation Improvement Program Revisions

Although the Transportation Improvement Program (TIP) is updated every four years, revisions to it are periodically made. These revisions are in the form of amendments and administrative modifications (adjustments). For more information on the types of revisions, see 3.1 Making Changes to the TIP.

Date	Description
10/5/20	Adjustment to Operating Assistance (RADAR) STIP ID RAD0001, to decrease FY21 funding \$62K (decrease FTA 5310 \$31K, decrease State \$25K, increase local \$6K, decrease revenues \$12K). In FY22, funding decrease of \$142K (decrease FTA 5310 \$49K, decrease State \$92K, and decrease Local \$11K).
10/5/20	Adjustment to Paratransit Vehicles (RADAR) STIP ID RAD0002, to Increase FY21 funding \$15K (increase FTA 5310 \$12K, Local \$3K).
10/5/20	Adjustment to Paratransit Vehicles (Lutheran Family Services) STIP ID LFS0001, to increase FY21 funding \$15K (increase FTA 5310 \$12K, Local \$3K).
12/17/20	Adjustment to UPC 688, 13 <sup>th</sup> Street Improvements, to remove the noted match and FY21 allocation since all funding for this project has been allocated in previous years. Preliminary Engineering and Right-of-Way phases are complete and construction is expected to begin in the FY21 cycle. The FY18-21 TIP reflects a previous total cost of \$63.2M. In FY19, the project scope and cost were revised to remove the bridge replacement.
3/12/21	Adjustment to Paratransit Vehicles STIP ID RAD0002, to decrease FY22 funding \$30K (increase FTA 5310 \$2K, decrease Local \$32K).
4/7/21	Adjustment to UPC 688, 13 <sup>th</sup> Street Improvements, to update the project cost from \$23,960,970 to \$25,034,586 and reflect the obligation and release of federal funding in FY21.
6/2/21	Adjustment to Valley Metro Operating Assistance Project STIP ID GRT0001, to increase FY22 FTA 5311 funding by \$193K.
6/4/21	Adjustment to Radio Communications System Project STIP ID GRT0018, to revise obligations as follows: remove \$260K from Flexible STP and add it to State.
6/8/21	Adjustment to New Downtown Roanoke Multimodal Facility – Engineering, Construction, Equipment Project STIP ID GRT0013, to revise obligations as follows: remove \$5.98 million from Federal, renaming it Flexible STP; add \$5.52 million to State; and add Local match of \$460K.
6/11/21	Adjustment to Rehab/Renovation of Administration/Maintenance Building Project STIP ID GRT0009, for HVAC system upgrades, to revise obligations as follows: increase FTA 5339 funding by \$49,486 in FY21.
6/24/21	Amendment to add Operating Assistance Project STIP ID ROA0001, to provide operating assistance for the Roanoke County CORTRAN service; and to add \$119,000 in FTA 5310 funds in FY22.

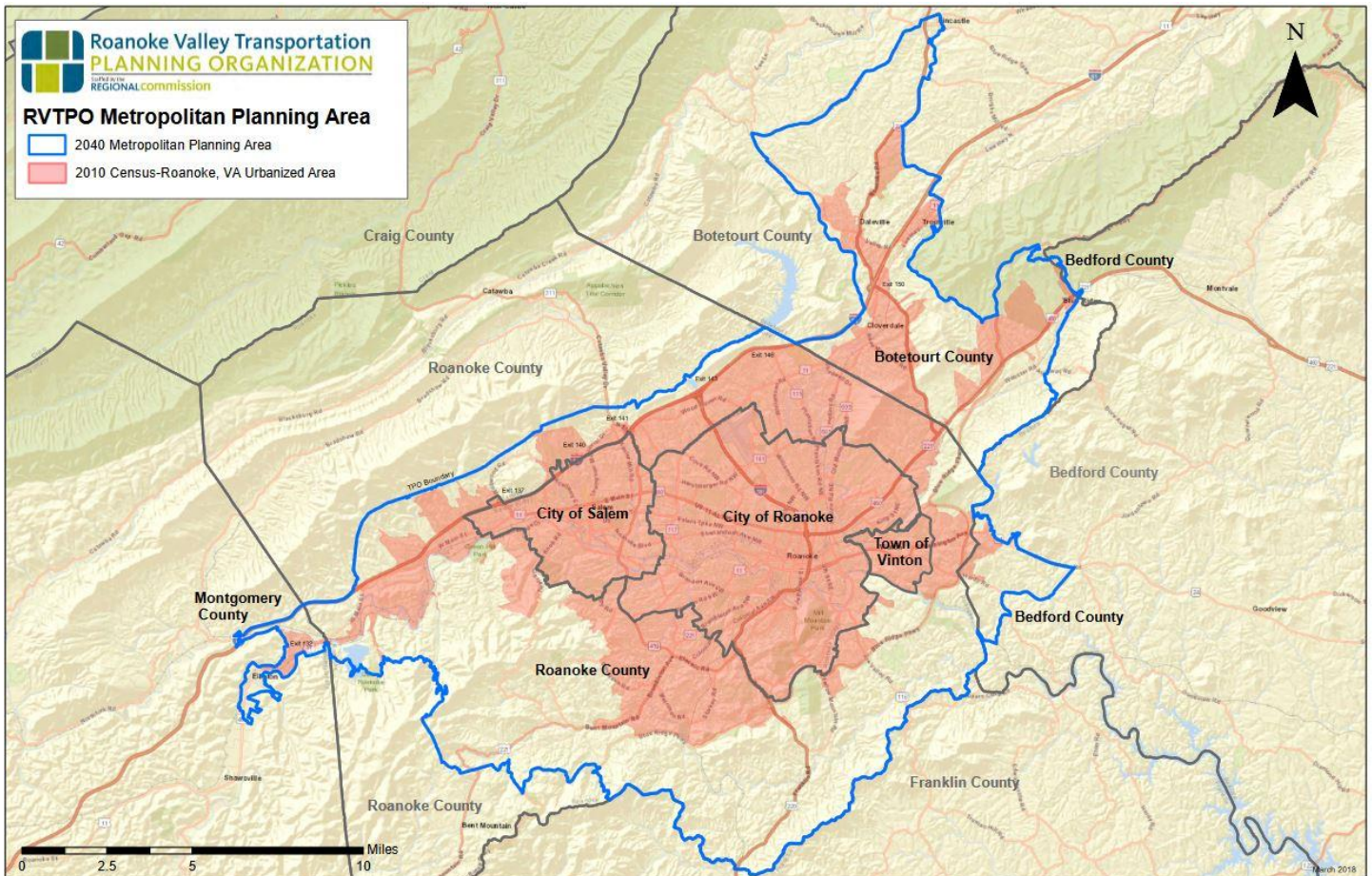
Date	Description																																																																																	
8/5/21	<p>Adjustments to add various grouped projects from the VDOT adopted Six-Year Improvement Program (7/1/21).</p> <table border="1"> <thead> <tr> <th>UPC</th> <th>Project Name</th> <th>Project Cost</th> </tr> </thead> <tbody> <tr> <td>110624</td> <td>#SGR18 - Rte. 11 over Norfolk Southern Railroad - Deck Replacement</td> <td>\$2,632,000</td> </tr> <tr> <td>110887</td> <td>Rte. 220 Access Management Improvements Project</td> <td>\$10,196,000</td> </tr> <tr> <td>115473</td> <td>#SGR17 - Rte. 813 over Roanoke River Sub Repairs</td> <td>\$2,411,000</td> </tr> <tr> <td>116077</td> <td>Safety Prescoping – Salem</td> <td>\$1,512,000</td> </tr> <tr> <td>116197</td> <td>#I81CIP Add NB Lane between Exit 128 and Exit 137</td> <td>\$265,372,000</td> </tr> <tr> <td>117211</td> <td>FY21 Curve Delineation – Districtwide</td> <td>\$854,000</td> </tr> <tr> <td>117214</td> <td>FY21 Centerline Rumble Strips Installation – Districtwide</td> <td>\$1,014,000</td> </tr> <tr> <td>117215</td> <td>FY21 Edgeline Rumble Strips Installation – Districtwide</td> <td>\$791,000</td> </tr> <tr> <td>117221</td> <td>Franklin Road Sidewalk Improvements - Rte. 220 B- Phase 2</td> <td>\$1,791,000</td> </tr> <tr> <td>117994</td> <td>9th Street Multimodal Improvements</td> <td>\$625,000</td> </tr> <tr> <td>117995</td> <td>Glade Creek Greenway Phase 2B</td> <td>\$476,000</td> </tr> <tr> <td>118858</td> <td>#SGR22 FY22 Plant Mix Districtwide Primaries</td> <td>\$1,500,000</td> </tr> <tr> <td>119586</td> <td>Greenway Connection – Riverland Road</td> <td>\$1,313,000</td> </tr> <tr> <td>T23422</td> <td>FY 23 Curve Delineation – Districtwide</td> <td>\$8,188,000</td> </tr> <tr> <td>T23423</td> <td>FY 24 Pedestrian Crossing Improvements – Districtwide</td> <td>\$1,226,000</td> </tr> <tr> <td>T23424</td> <td>FY 23 Unsignalized Intersections – Districtwide</td> <td>\$222,000</td> </tr> <tr> <td>T23425</td> <td>FY 22 Centerline Rumble Strips Installation – Districtwide</td> <td>\$209,000</td> </tr> <tr> <td>T23426</td> <td>FY 23 Centerline Rumble Strips Installation – Districtwide</td> <td>\$209,000</td> </tr> <tr> <td>T23427</td> <td>FY 24 Centerline Rumble Strips Installation – Districtwide</td> <td>\$209,000</td> </tr> <tr> <td>T23428</td> <td>FY 25 Centerline Rumble Strips Installation – Districtwide</td> <td>\$209,000</td> </tr> <tr> <td>T23429</td> <td>FY 22 Edgeline Rumble Strips Installation – Districtwide</td> <td>\$575,000</td> </tr> <tr> <td>T23430</td> <td>FY 23 Edgeline Rumble Strips Installation – Districtwide</td> <td>\$575,000</td> </tr> <tr> <td>T23431</td> <td>FY 24 Edgeline Rumble Strips Installation – Districtwide</td> <td>\$1,735,000</td> </tr> <tr> <td>T23432</td> <td>FY 25 Edgeline Rumble Strips Installation – Districtwide</td> <td>\$575,000</td> </tr> <tr> <td>T24579</td> <td>Orange Market Park and Ride/Parking Lot Improvements</td> <td>\$344,000</td> </tr> <tr> <td>T24740</td> <td>Route 220 Superstreet Improvement</td> <td>\$15,461,000</td> </tr> </tbody> </table>	UPC	Project Name	Project Cost	110624	#SGR18 - Rte. 11 over Norfolk Southern Railroad - Deck Replacement	\$2,632,000	110887	Rte. 220 Access Management Improvements Project	\$10,196,000	115473	#SGR17 - Rte. 813 over Roanoke River Sub Repairs	\$2,411,000	116077	Safety Prescoping – Salem	\$1,512,000	116197	#I81CIP Add NB Lane between Exit 128 and Exit 137	\$265,372,000	117211	FY21 Curve Delineation – Districtwide	\$854,000	117214	FY21 Centerline Rumble Strips Installation – Districtwide	\$1,014,000	117215	FY21 Edgeline Rumble Strips Installation – Districtwide	\$791,000	117221	Franklin Road Sidewalk Improvements - Rte. 220 B- Phase 2	\$1,791,000	117994	9th Street Multimodal Improvements	\$625,000	117995	Glade Creek Greenway Phase 2B	\$476,000	118858	#SGR22 FY22 Plant Mix Districtwide Primaries	\$1,500,000	119586	Greenway Connection – Riverland Road	\$1,313,000	T23422	FY 23 Curve Delineation – Districtwide	\$8,188,000	T23423	FY 24 Pedestrian Crossing Improvements – Districtwide	\$1,226,000	T23424	FY 23 Unsignalized Intersections – Districtwide	\$222,000	T23425	FY 22 Centerline Rumble Strips Installation – Districtwide	\$209,000	T23426	FY 23 Centerline Rumble Strips Installation – Districtwide	\$209,000	T23427	FY 24 Centerline Rumble Strips Installation – Districtwide	\$209,000	T23428	FY 25 Centerline Rumble Strips Installation – Districtwide	\$209,000	T23429	FY 22 Edgeline Rumble Strips Installation – Districtwide	\$575,000	T23430	FY 23 Edgeline Rumble Strips Installation – Districtwide	\$575,000	T23431	FY 24 Edgeline Rumble Strips Installation – Districtwide	\$1,735,000	T23432	FY 25 Edgeline Rumble Strips Installation – Districtwide	\$575,000	T24579	Orange Market Park and Ride/Parking Lot Improvements	\$344,000	T24740	Route 220 Superstreet Improvement	\$15,461,000
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10/14/21	Adjustment to section 5.0, Table 5, and section 5.4, Table 12 to remove erroneously listed performance measure <i>Percentage of track segments with performance (speed) restrictions, by mode</i> .																																																																																	
10/26/21	Adjustment to Replacement Bus Project STIP ID GRT0004, to revise obligations as follows: decrease STBG and State funding by \$1,564,351 and \$391,088 (respectively) in FY21; and increase STBG and State funding by \$1,564,351 and \$391,088 (respectively) in FY22.																																																																																	
12/14/21	Adjustment to section 2.0, to add a statement regarding the Transit Program of Projects and that Valley Metro satisfies FTA public hearing requirements through the RVTPO's TIP development process.																																																																																	
12/16/21	Adjustment to Automatic Vehicle Locator Project STIP ID GRT0016, to revise obligations as follows: decrease State funding in FY21 by \$1.7 million and increase FY22 by \$1.7 million; and increase FTA 5339 funding by \$300K in FY22.																																																																																	

2/2/22	Adjustment to Security Project STIP ID GRT0012, to increase FTA 5339 funding by \$17,585 and Local by \$4,397 in FY22.
3/15/22	Adjustment to UPC 688, 13 <sup>th</sup> Street Improvements, to update the project cost from \$25,034,586 to \$25,223,724 and reflect the obligation and release of federal funding in FY22.
5/26/22	Amendment adding \$888,000 for STIP ID ROA0002 – Capital Assistance as a turnkey set of services to operate its CORTRAN service for seniors and people with disabilities.
7/18/22	Adjustment to STIP ID RAD0001 to remove previously planned obligations for operating assistance to RADAR in FY22 as it was not awarded FTA 5310 funds in FY23. The resulting adjustment decreased 5310 funds by \$66,000 and revenues by \$12,000.
9/30/22	Adjustment to STIP ID GRT0001 – Operating Assistance to adhere to Federal Transit Administration requests to move Valley Metro’s available FY20 and 21 5307 funds up to FY23 and move FY22 amounts to FY24. As such, \$2,147,090 in 5307 funding was removed from FY21 and FY22; 5307 funding was increased by \$3,507,572 in FY23; and \$3,595,308 was added to FY24 in unspent prior FTA 5307 funding.
9/30/22	Adjustment to STIP ID GRT0005 – Expansion Bus to increase FTA 5339 funding by \$353,100 in FY23.
9/30/22	Adjustment to STIP ID GRT0019 – Real Time Passenger Information System to distinguish the Federal and State STBG match funding amounts. The adjustment reflect the move from FY21 to FY23 planned obligations, and illustrates the 80% Federal/20% State match.
1/12/23	Adjustment to STIP ID GRT0001 – Operating Assistance to reflect an increase in FTA 5307 funding in FY23 by \$645,689.
1/12/23	Adjustment to STIP ID GRT0002 – Preventative Maintenance to remove \$1,789,242 in FTA 5307 and Local funding in FY21 and FY22 and add \$697,968 in 5307 and Local funding to FY23.
6/27/23	Adjustment to TIP project groupings: 1. Maintenance: Traffic and Safety Operations 2. Maintenance: Preventive Maintenance for Bridges 3. Maintenance: Preventive Maintenance and System Preservation to allow VDOT to request obligation authority for certain projects in FFY23 before the end of the fiscal year.
8/14/23	Adjustment to TIP project groupings: 1. Maintenance: Preventive Maintenance for Bridges 2. Maintenance: Preventive Maintenance and System Preservation to allow VDOT to request obligation authority for certain projects in FFY23 before the end of the fiscal year.

## 1.0 Purpose of the TIP

The Federal Register defines the Transportation Improvement Program (TIP): a prioritized listing/program of transportation projects covering a period of four (4) years that is developed and formally adopted by a Metropolitan Planning Organization (MPO) or MPOs as part of the metropolitan transportation planning process for the MPA (Metropolitan Planning Area), consistent with the Metropolitan Transportation Plan (Vision 2040: Roanoke Valley Transportation), and required for projects to be eligible for funding under title 23 U.S.C. and title 49 U.S.C. chapter 53. Essentially, the TIP is a document that identifies how federal funds will be used for transportation projects in the Roanoke Valley's urbanized area over a four-year timeframe.

The Roanoke Valley Area Metropolitan Planning Organization (MPO) is an organization required to exist by federal law (§23 CFR Part 450, §49 CFR Part 613), which mandates that urbanized areas with a population greater than 50,000 persons establish an MPO to facilitate transportation planning. Following the adoption of the FY2015-18 TIP in 2014, the MPO Policy Board voted to change its name to the Roanoke Valley Transportation Planning Organization (RVTPO). The Roanoke Valley TPO area includes the urbanized portions of Bedford, Botetourt, Montgomery and Roanoke Counties, as well as the Cities of Roanoke and Salem, and the Town of Vinton. 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 2040 and 2045 as shown in the following map.



On December 4, 2015, the Fixing America's Surface Transportation Act or FAST Act was signed into law. This is the first legislation in over decade that provides long-term funding for federal transportation projects. As a part of the new legislation, 23 U.S.C. 134(k)(3), the FAST Act clarifies development of a Congestion Management Process (CMP) for Transportation Management Area (TMA) MPOs. The RVTPO adopted its first CMP as a TMA in 2014 and projects in this TIP reflect:

1. CMP regional goals for reducing peak hour vehicle miles traveled and improvement of transportation connections;
2. Identification of existing services and programs that support access to jobs in the region; and
3. Identification of proposed projects and programs to reduce congestion and increase job access opportunities.

Continuing with previous transportation legislation, the FY21-24 TIP accommodates for facilities that enable for the development and integrated management and operation of transportation systems and facilities (including accessible pedestrian walkways and bicycle transportation facilities) that will function as an intermodal transportation system for the metropolitan planning area.

The RVTPO TIP was developed in cooperation with the Virginia Department of Transportation, the Virginia Department of Rail and Public Transportation, 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 by amendments and adjustments at any time though at a minimum it is typically amended/adjusted in the summer months following the Commonwealth Transportation Board's approval of the Six-Year Improvement Program (SYIP).



## **2.0 Public and Stakeholder Involvement**

In accordance with the RVTPO's Public Involvement Policy, the public has been afforded several opportunities to comment upon the development of the TIP. Those opportunities are listed below:

1. Electronic access and updates to the Draft FY2021-2024 TIP through the RVTPO website at [www.rvarc.org](http://www.rvarc.org);
2. Two 15-day comment periods (ending April 16, 2020 and June 18, 2020) where the public submitted comments on the Draft FY 2021-24 TIP via e-mail, online survey, and regular mail; and
3. RVARC website notice and newspaper advertisements in the Roanoke Times and Roanoke Tribune, notifying the public of a public hearing on the adoption of the TIP on June 25, 2020.

Once the program is developed, the TPO Policy Board reviews and approves the program according to policies adopted by its member organizations. With few exceptions, any proposed transportation project should be included in the TIP to be considered eligible for federal funding. All phases of a project including preliminary engineering, right-of-way acquisitions, and construction should be documented in the TIP.

The Comprehensive, Continuing, Cooperative, or "3C" Process of the TPO, provides a natural mechanism by which the TIP can be carefully reviewed and updated annually. Annual development of this program helps to clarify future needs, allow revisions to accommodate changing conditions, and allow developing local and regional plans to be continually incorporated. Changes to the TIP are handled via administrative adjustments for minor changes or amendments for major changes (see section 3.1). Amendments to the TIP also offer the opportunity for public involvement.

### **Transit Program of Projects**

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.

### **FY2021-2024 Transportation Improvement Program Timeline:**

The following are action items resulting in the adoption of the RVTPO TIP:

- Fall 2019 - Public meetings began in all nine VDOT Construction Districts and local administrators, legislators and citizens provided comments on the upcoming Six-Year Improvement Plan (of which TIP projects must be included).
- Fall/Winter 2019 - Localities (staffs and governing bodies), transit providers, VDOT and VDRPT staffs discuss project priorities for potential inclusion in the TIP.

- Spring 2020 - Transportation Technical Committee members review and provide advice on the draft TIP.
- Spring 2020 – The RVTPO Policy Board reviews the draft TIP and adopts it at its June 25, 2020 meeting.

### 3.0 Understanding the TIP

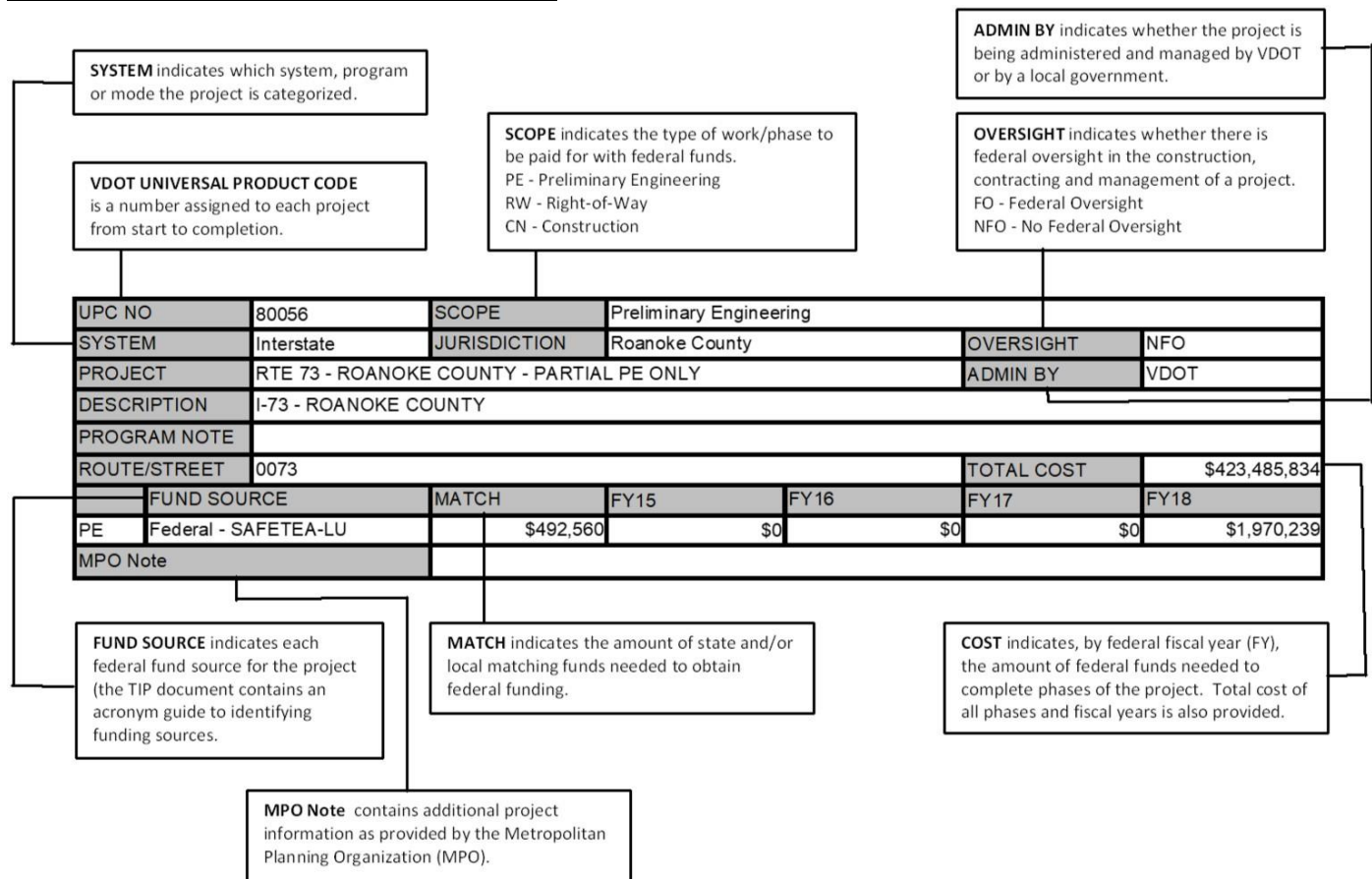
The Transportation Improvement Program (TIP) identifies capital and operating projects anticipated to receive federal funding over a four-year period during federal fiscal years 2021 through 2024 (October 1, 2020 to September 30, 2023). Projects that are funded only through state or local sources are not included unless they are considered to be regionally significant (see Section 8.0). In accordance with 23 CFR 450.318(i), any project included in the TIP shall be consistent with the approved fiscally constrained long-range multimodal transportation plan (CLRMTTP). Once approved, the TIP is incorporated without change into the [Statewide Transportation Improvement Program](#) or STIP.

#### Ungrouped vs. Grouped Projects

Some projects in the TIP are identified as individual (ungrouped) projects whereas others are grouped together and may be shown as a single item. The grouping of projects allows flexibility to make funding adjustments more easily to minor projects that don't merit the need for extensive oversight and public involvement thus reducing paperwork. Projects that are not considered to be of appropriate scale for individual ungrouped identification in a given program year may be grouped by function, work type, and/or geographic area using applicable classifications under 23 CFR 771.117(c) and (d) and/or 40 CFR part 93.

Projects are summarized by locality in Sections 6.0 and 7.0 and listed independently in Appendix A, Grouped Projects and Appendix B, Ungrouped Projects. The diagram below explains the type of detailed information provided for individually listed projects in Section 6.0

#### Diagram of Highway Project Information



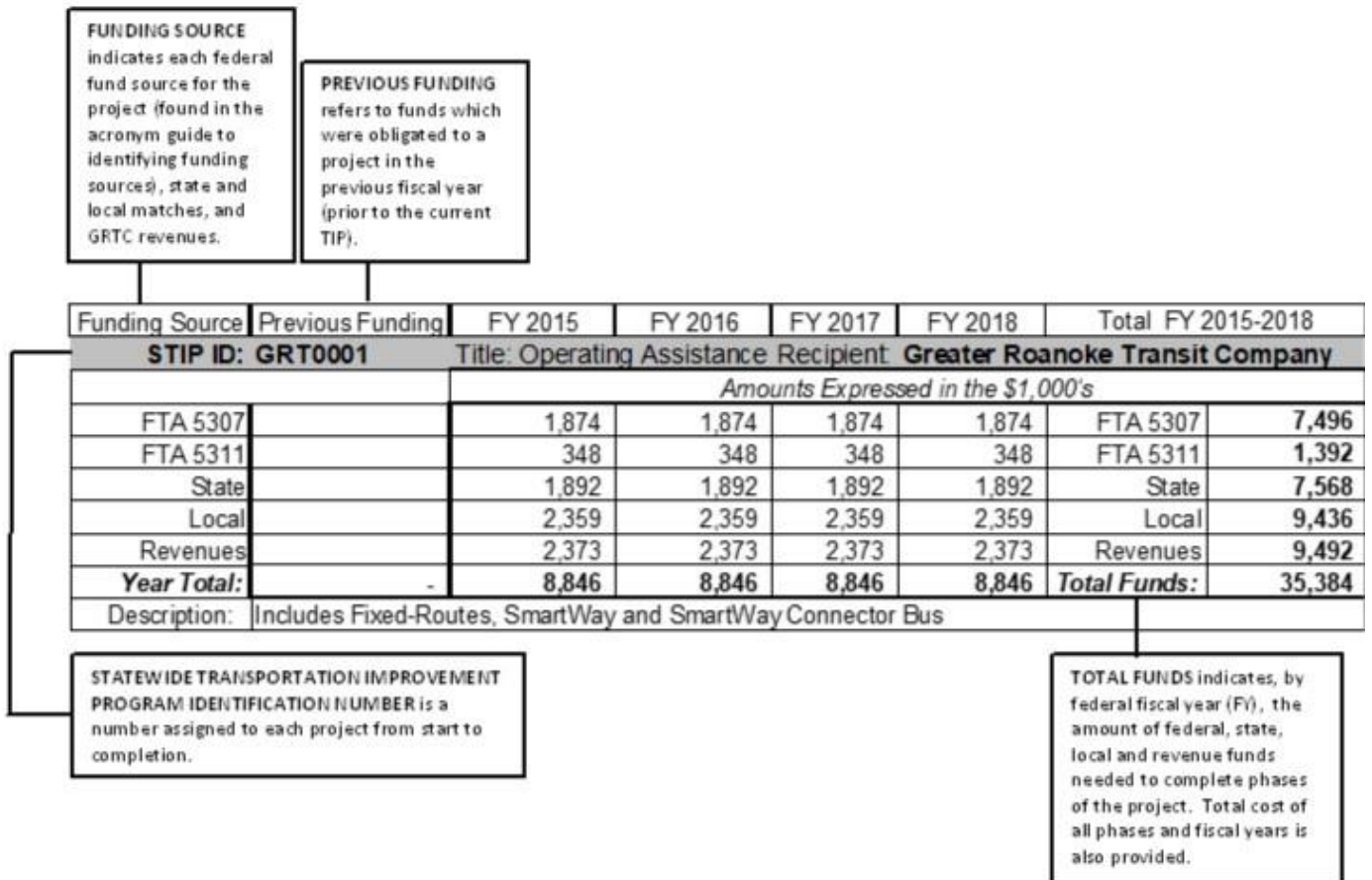
References to the project system are explained in the table below.

**Table 1: Project System**

<b>System</b>	<b>Description</b>
Interstate	The Interstate System contains projects identified as being part of the limited-access system of highways that carry route designations such as I-81 and I-64.
Primary Roads	The Primary System contains projects located along major roadways which carry a route designation of less than 600. Projects listed in this category are primarily located within counties and are listed in numerical order by route number without regard to jurisdiction.
Secondary Roads	The Secondary System contains projects located along minor roadways which carry a route designation of 600 or greater. Projects listed in this category are primarily located within counties and are listed in numerical order by route number without regard to jurisdiction.
Urban Roads	The Urban System contains projects located within cities and towns. Projects are organized by jurisdiction and listed by street name.
Miscellaneous	Miscellaneous Projects are regional in nature and are not associated with one of the previous Systems.
Rail Safety	Rail safety projects include those related to safety such as gates, flashing lights, etc. at railroad crossings.
Transportation Enhancement / Alternative	Transportation enhancement or alternative projects may include greenway trails, sidewalks, improvements to safety and aesthetics.
Public Transit Projects	The Public Transit section contains the operating and capital funding for Valley Metro and RADAR, the two public transit operators in the RVTPO area as well as Lutheran Family Services.

The diagram below explains the type of detailed information provided for individually listed projects in Section 7.0.

**Diagram of Transit Project Information**



In Appendix A, the tables entitled "Project Groupings" contains aggregated funding information for projects within a similar funding category such as bridge construction, rail, safety improvements, trails, and operations.

### **3.1 Making Changes to the TIP**

Text changes or revisions to projects listed in the TIP (including addition/deletion of projects) occur on an ongoing basis and are classified as either administrative modifications (or adjustments) or as amendments. On a general basis, the RVTPO follows the State's schedule for developing the TIP; Virginia updates the Statewide TIP, which includes all Metropolitan Planning Organization TIPs, on a three-year basis. Federal law requires the TIP to be updated at least every four years.

Federal regulations for the TPO's planning and programming process (see [CFR Part 450, Section 104](#)) define amendment and administrative modification (referred to as an adjustment) as follows:

**Amendment** A revision to a long-range statewide or metropolitan plan, Transportation Improvement Program (TIP) or Statewide Transportation Improvement Program (STIP) that involves a major change to a project included in a metropolitan plan, TIP, or STIP, including the addition or deletion of a project or a major change in project cost, project/project phase initiation dates, or a major change in design concept or design scope (e.g., changing project termini or the number of through traffic lanes or changing the number of stations in the case of fixed guideway transit projects). Changes to projects that are included only for illustrative purposes do not require an amendment. An amendment is a revision that requires public review and comment, and a redemonstration of fiscal constraint.

**Administrative Modification (Adjustment)** A minor revision to a long-range statewide or metropolitan transportation plan, TIP, or STIP that includes minor changes to project/project phase costs, minor changes to funding sources of previously included projects, and minor changes to project/project phase initiation dates. An administrative modification is a revision that does not require public review and comment, or a redemonstration of fiscal constraint.

In addition, technical corrections or formatting updates may be made to the TIP by staff as needed and don't require approval. Technical corrections may include typographical, grammatical, or syntactical errors that address, for example, an error in spelling, grammar, or deletion of a redundant word. It does not include changes to funding amounts.

For purposes of simplification and, in keeping with Federal regulations, amendments and adjustments to the RVTPO TIP **must** include any of the following:

#### **Changes requiring a TIP Amendment**

- Adding or removing an ungrouped project.
- Changes in project phasing.
- noA significant change in project description or scope.
- Funding changes greater than allowable under the sliding scale (defined on the next page).

#### **Changes which may be handled via a TIP Adjustment**

- Adding or removing a grouped project.
- Minor changes in project description.
- Moving a project from year to year within the TIP.
- Minor changes within a project phase.
- Funding changes less than the threshold established in the sliding scale.

In order to facilitate determination of limits requiring amendments, the sliding scale shown in the following table will be used. The sliding scale is a minimum guideline for determining TIP amendments. RVARC staff may at any time determine that any proposed change to the TIP will be handled as an amendment.

**Table 2: Sliding Scale of TIP Amendment and Adjustment Thresholds**

<b>TIP Project Estimated Cost</b>	<b>Minimum Cost Increase Requiring Amendment</b>
\$2 million or less	100%
>\$2 million to \$10 million	50%
>\$10 million to \$20 million	25%
>\$20 million to \$35 million	15%
>\$35 million	10%

The following briefly describes the RVTPO procedure for administrative modifications (adjustments) and amendments to the TIP.

RVARC staff may initiate adjustments or amendments for any project(s) in the TIP. Additionally, adjustments or amendments may also be requested by:

- Localities for projects within their jurisdiction;
- VDOT for roadway, bicycle or pedestrian projects; and
- DRPT, Valley Metro, RADAR, and/or other service providers for transit projects.

Any request for an adjustment or amendment to the TIP must be submitted in writing to the RVARC Director of Transportation. RVARC staff will review the request and determine if it meets the required definitions and thresholds for an adjustment or an amendment.

**Administrative Modifications (Adjustments) to TIP Projects**

- If RVARC staff determine an adjustment is appropriate, RVARC staff will coordinate with appropriate local and state agencies and, in writing, submit a response on the TIP adjustment request to the initiating agency within ten (10) working days of the request. the TIP will be updated to reflect the proposed adjustment and documentation of the adjustment action will be summarized in an appropriate section of the TIP.
- The updated/adjusted TIP document will be posted on the RVTPO website.

**Amendments to TIP Projects**

- If RVARC staff determine an amendment is warranted, the initiating agency will be notified within five (5) working days that the requested change will be handled as a TIP amendment.
- For amendments to TIP Projects, RVARC staff will initiate the public involvement process including a public comment period and a public hearing conducted per the RVTPO Public Participation Plan.
- Upon the RVTPO Policy Board’s approval of the project amendment, the TIP is updated to reflect the amendment and documentation of the amendment action will be summarized in an appropriate section of the TIP.
- The updated TIP will be posted on the RVTPO website.

### 3.2 Project Allocations vs. Project Obligations

Often there is confusion surrounding the different funding states for projects in the TIP. Regarding the highway portion of the TIP, once a project is placed into the VDOT Six-Year Improvement Plan (SYIP) it must have funds allocated to it.

The table is titled "Six-Year Improvement Program" and is part of the "Required Allocations" section. It shows funding sources and their allocations from FY2020 to FY2025. The "Required After FY2025" column shows a total of \$0.

Fund Sources	Required Allocations						Required After FY2025
	Previous Allocations	FY2020	FY2021	FY2022	FY2023	FY2024	
Values in Thousands of Dollars							
District Grant Program: Federal	\$0	\$0	\$0	\$0	\$790	\$0	\$0
District Grant Program: State	\$0	\$0	\$72	\$0	\$0	\$800	\$0
Other Funds: Other	\$54	\$0	\$0	\$0	\$0	\$0	\$0
Specialized State and Federal: Federal	\$86	\$0	\$0	\$0	\$0	\$0	\$0
Specialized State and Federal: MPO TAP	\$132	\$0	\$0	\$0	\$0	\$0	\$0
<b>Total Funding</b>	<b>\$272</b>	<b>\$0</b>	<b>\$72</b>	<b>\$0</b>	<b>\$790</b>	<b>\$800</b>	<b>\$0</b>

Project allocations are the funds available each fiscal year as identified in VDOT’s budget and SYIP. Allocation amounts include federal funds, state funds, and local/state matching funds. Funds are allocated for Preliminary Engineering (PE), Right-of-Way Acquisition (ROW) and Construction (CN).

An obligation is the Federal government’s legal commitment to pay the Federal share of a project’s cost. An obligated project is one that has been authorized by the Federal agency and for which funds have been committed. Projects for which funds have been obligated are not necessarily initiated or completed during the program year, and the amount of the obligation will not necessarily equal the total cost of the project. For projects under the auspices of the FTA, obligation occurs when the FTA grant is awarded. For projects under the auspices of the FHWA, obligation occurs when a project agreement is executed and the State/grantee requests that the funds be obligated.

A good way to think of obligations is setting up a checking account for a specific purpose and then making an initial deposit. In order to begin work on any phase of a transportation project, federal funds must be obligated. This means that the money is set aside for that particular piece of work, and then can be used to pay bills. The project expenses may be bills from a design consultant, a construction contractor, or payroll costs for Virginia Department of Transportation (VDOT) employees working on the project.

An obligation removed from a project, or released, is usually the result of a decrease in the cost estimate, a project awarded for a lesser amount than originally authorized at advertisement, or an FHWA Financial Integrity Review and Evaluation (FIRE) project level review.

Project schedules often change as a result of personnel or consultant availability for design activities, or changes in budget resource availability. Thus, the TIP does not always yield an up-to-date picture of actual project expenditures. To ensure that the public will have an accurate understanding of how federal funds are being spent on transportation projects, Congress included in the 2012 Moving Ahead for Progress in the 21<sup>st</sup> Century Act (MAP-21), a requirement that the organizations responsible for approving the TIP publish an Annual List of Federally Obligated Transportation Funds, available at [rvarc.org/tip](http://rvarc.org/tip).

### 3.3 Do Project Obligations Mean the Work is Underway?

This is not always the case. Project accounts are set up, particularly for the initial phases of a project, to enable the work. It may take a while, for example, to select and hire a design consultant and then actually begin work.

Some projects listed in the TIP may show \$0 for planned obligations. There are several reasons this may occur and include:



- The project is complete and awaiting closeout
- Subsequent project phases are beyond the four-year TIP cycle
- Informational purposes only, funding being pursued
- The project is to be funded from [category] group funding

*Example Project Obligations Report:*

STIP Transactions										
Roanoke MPO Study Area										
Federal Obligated Funds: 10/01/2018 - 09/30/2019										
Funding Source/Amount										
Locality	UPC / Description	NHS/NHP	STP/STBG	EB/MG	CMAQ	RSTP	BROS	DEMO	SAFE	TOTAL
<b>Urban</b>										
Roanoke	688	13TH STREET AND HOLLINS ROAD - JAMISON AVE; .08 MILE NORTH INT. ORANGE AVENUE (0.9790 MI)								
	688	TIP:	\$0	(\$2,077,664)	\$561,239	\$0	\$0	\$0	\$0	(\$1,516,425)
		Obligated:	\$0	\$314,938	\$0	\$0	\$0	\$0	\$0	\$314,938
										<b>Remaining:</b>
<hr/>										
<b>URBAN SUBTOTAL</b>										
		TIP:	\$0	(\$2,077,664)	\$561,239	\$0	\$0	\$0	\$0	(\$1,516,425)
		Obligated:	\$0	\$314,938	\$0	\$0	\$0	\$0	\$0	\$314,938
		Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
										<b>Remaining:</b>

In addition to construction projects, financial projections have also been made to show revenues for maintaining and operating the region’s highway and transit systems during the same 4-year period. Funded TIP actions typically include, but are not limited to:

- Transportation studies
- Ground transportation system improvement projects (fixed-guide, highway, bicycle, pedestrian, commuter lots, etc.)
- Public transit systems and services, including the components of coordinated human service mobility plans
- System maintenance (monitoring, repair and/or replacement of system facilities and support sites; snow removal; mowing; painting; rest area or weigh station sites; etc.)
- System operations (ITS-TSM applications; traffic operations such as signalization, signal coordination, ramp meters, or message signs; roadside assistance; incident management; for the urbanized TMAs, their Congestion Management Process activities; VDOT traffic management centers; bridge-tunnel management; toll road or congestion pricing management; etc.)

**3.4 Financial Assumptions**

The TIP financial plan is federally required to include only committed and/or reasonably available transportation funding sources. The estimates on funding sources and costs are based on reasonable financial principles and recent information. The financial estimates for both revenues and costs are given in year of expenditure dollars and reflect growth and inflation factors. VDOT costs estimates are from the VDOT Project Cost Estimating System. For projects not administered by the state, cost estimates are developed cooperatively through the RVTPO or responsible local government. Maintenance and construction program financial planning assumptions used for the FY 2021-2024 TIP are consistent with assumptions and distribution methodologies used for Vision 2040: Roanoke Valley Transportation.

## **4.0 Funding the TIP**

§23 CFR 450.324(h) specifies the inclusion of a financial plan in the TIP that shows how the identified projects or project phases can reasonably be expected to be implemented, with the available public and private revenues. TIP projects or project phases are required to be consistent with the Constrained Long-Range Multimodal Transportation Plan (CLRMTTP) and must be fully funded in the TIP. To the extent that funding is available or shall be reasonably available, priority projects or project phases have been cooperatively selected for inclusion in this TIP. VDOT, DRPT, Valley Metro, RADAR and the RVTPO developed financial forecasts for the TIP based on the latest official planning assumptions and estimates of revenues and costs. The financial information is given by funding category for the projects listed and expected to be implemented during the four-year period beginning Fiscal Year 2021.

### ***4.1 Funding Sources***

The TIP funding summary table (Table 3) summarize by year and by funding source the revenue amounts estimated and committed for fiscal years 2021-2024. The table includes expenditures and estimated revenues expected for each funding source and show that the program is financially constrained by year. The financial summary tables are based on total funds available, which include annual allocations of funds including any state and local matching dollars. These revenue sources are all reasonably expected to be made available and committed to the project phase during the programmed year of the TIP.

**Table 3: RVTPO Federal Funding Categories and Fiscal Constraint by Year: Roadway, Bicycle and Pedestrian Projects, Federal Fiscal Years 2021-2024**

Fund Source	FFY 2021		FFY 2022		FFY 2023		FFY 2024		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
<b>Federal</b>										
BR	\$75,000	\$75,000	\$1,198,091	\$1,198,091	\$0	\$0	\$0	\$0	\$1,273,091	\$1,273,091
HSIP	\$1,570,411	\$1,570,411	\$4,913,295	\$4,913,295	\$486,993	\$486,993	\$808,000	\$808,000	\$7,778,699	\$7,778,699
NHS/NHPP	\$3,186,600	\$3,186,600	\$0	\$0	\$150,000	\$150,000	\$1,551,807	\$1,551,807	\$4,888,407	\$4,888,407
RSTP (2)	\$4,938,986	\$4,938,986	\$2,591,666	\$2,591,666	\$6,256,729	\$6,256,729	\$566,913	\$566,913	\$14,354,294	\$14,354,294
STP/STBG	\$5,215,143	\$5,215,143	\$87,364	\$87,364	\$546,000	\$546,000	\$1,125,142	\$1,125,142	\$6,973,649	\$6,973,649
TAP	\$877,927	\$877,927	\$693,120	\$693,120	\$0	\$0	\$0	\$0	\$1,571,047	\$1,571,047
<b>Subtotal -- Federal</b>	<b>\$15,864,067</b>	<b>\$15,864,067</b>	<b>\$9,483,536</b>	<b>\$9,483,536</b>	<b>\$7,439,722</b>	<b>\$7,439,722</b>	<b>\$4,051,862</b>	<b>\$4,051,862</b>	<b>\$36,839,187</b>	<b>\$36,839,187</b>
<b>Other</b>										
State Match	\$3,350,064	\$3,350,064	\$1,710,008	\$1,710,008	\$1,837,431	\$1,837,431	\$862,965	\$862,965	\$7,760,468	\$7,760,468
<b>Subtotal -- Other</b>	<b>\$3,350,064</b>	<b>\$3,350,064</b>	<b>\$1,710,008</b>	<b>\$1,710,008</b>	<b>\$1,837,431</b>	<b>\$1,837,431</b>	<b>\$862,965</b>	<b>\$862,965</b>	<b>\$7,760,468</b>	<b>\$7,760,468</b>
<b>Total</b>	<b>\$19,214,131</b>	<b>\$19,214,131</b>	<b>\$11,193,544</b>	<b>\$11,193,544</b>	<b>\$9,277,153</b>	<b>\$9,277,153</b>	<b>\$4,914,827</b>	<b>\$4,914,827</b>	<b>\$44,599,655</b>	<b>\$44,599,655</b>

<b>Federal - ACC (1)</b>										
HSIP	\$1,136,537	\$1,136,537	\$3,022,167	\$3,022,167	\$1,314,034	\$1,314,034	\$599,183	\$599,183	\$6,071,921	\$6,071,921
NHFP	\$0	\$0	\$0	\$0	\$1,381,181	\$1,381,181	\$0	\$0	\$1,381,181	\$1,381,181
NHS/NHPP	\$147,694	\$147,694	\$2,279,931	\$2,279,931	\$2,212,099	\$2,212,099	\$2,573,701	\$2,573,701	\$7,213,425	\$7,213,425
RSTP (2)	\$98,966	\$98,966	\$0	\$0	\$0	\$0	\$633,087	\$633,087	\$732,053	\$732,053
STP/STBG	\$0	\$0	\$1,987,090	\$1,987,090	\$0	\$0	\$0	\$0	\$1,987,090	\$1,987,090
<b>Subtotal -- Federal - ACC (1)</b>	<b>\$1,383,197</b>	<b>\$1,383,197</b>	<b>\$7,289,188</b>	<b>\$7,289,188</b>	<b>\$4,907,314</b>	<b>\$4,907,314</b>	<b>\$3,805,971</b>	<b>\$3,805,971</b>	<b>\$17,385,670</b>	<b>\$17,385,670</b>

<b>Maintenance - Federal (4)</b>										
BR	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	\$4,000,000	\$4,000,000
NHFP	\$2,500,000	\$2,500,000	\$2,500,000	\$2,500,000	\$0	\$0	\$0	\$0	\$5,000,000	\$5,000,000
NHS/NHPP	\$7,113,312	\$7,113,312	\$5,399,286	\$5,399,286	\$5,399,286	\$5,399,286	\$5,399,286	\$5,399,286	\$23,311,170	\$23,311,170
STP/STBG	\$27,244,307	\$27,244,307	\$26,068,877	\$26,068,877	\$30,021,568	\$30,021,568	\$31,070,795	\$31,070,795	\$114,405,547	\$114,405,547
<b>Subtotal -- Maintenance - Federal (4)</b>	<b>\$37,857,619</b>	<b>\$37,857,619</b>	<b>\$34,968,163</b>	<b>\$34,968,163</b>	<b>\$36,420,854</b>	<b>\$36,420,854</b>	<b>\$37,470,081</b>	<b>\$37,470,081</b>	<b>\$146,716,717</b>	<b>\$146,716,717</b>

- (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

The following information provides an overview of the most common funding programs utilized in the development of the TIP.

### **Roadway, Bicycle and Pedestrian Funding Programs:**

**Advance Construction funds (AC)** Advance construction can be used to fund emergency relief efforts and for any project listed in the Statewide TIP, including surface transportation, interstate, bridge, and safety projects. As with any Federal-aid project, to remain eligible for reimbursement, the agency must be able to meet project funding requirements to complete the project and follow all other Federal requirements as the project advances.

**AC Conversion** refers to the repayment of Advance Construction Funds.

**ARRA - American Recovery and Reinvestment Act of 2009** provides federal funds to invest in transportation and other infrastructure projects that will provide long-term economic benefits, preserving and creating jobs and promoting economic recovery.

**BR/BROS - Bridge Rehabilitation and Replacement** program provides funding for bridge improvements. Eligibility for funding is based on a rating of bridge condition by VDOT as a candidate for upgrading.

**DEMO - Federal Demonstration funds** are included in federal transportation acts include demonstration, priority, pilot, or special interest projects in various Federal-aid highway and appropriations acts. These projects are generically referred to as "demonstration" or "demo" projects, because Congress initiated this practice of providing special funding for these projects to demonstrate some new or innovative construction, financing, or other techniques on specific projects.

**EB - The Equity Bonus** ensures that each State receives a specific share of the aggregate funding for major highway programs (Interstate Maintenance, National Highway System, Bridge, Surface Transportation Program, Highway Safety Improvement Program, Congestion Mitigation and Air Quality Improvement, Metropolitan Planning, Appalachian Development Highway System, Recreational Trails, Safe Routes to School, Rail-Highway Grade Crossing, Coordinated Border Infrastructure programs, and Equity Bonus itself, along with High Priority Projects), with every State guaranteed at least a specified percentage of that State's share of contributions to the Highway Account of the Highway Trust Fund.

**HES - Hazard Elimination funds** are contingent upon VDOT conducting and maintaining engineering surveys of all public roads to identify hazardous locations, sections, and elements, which may constitute a danger to motorists, bicyclists. VDOT may also develop and implement projects and programs to address the hazards. Federal funds are available for expenditure on: any public road; any public surface transportation facility or any publicly owned bicycle or pedestrian pathway or trail; or any traffic calming measure.

**HPD - Highway Priority Demonstration** TEA-21 High Priority Funds are federal funds made available to carry out high priority projects as set forth in the Transportation Efficiency Act for the 21<sup>st</sup> Century (TEA-21) legislation.

**HSIP - Highway Safety Improvement Program (HSIP)** is a data-driven, strategic approach program for infrastructure improvements for all highway travel modes. Emphasis is placed on strategies and actions with expected performance outcomes as documented in Virginia's Strategic Highway Safety Plan. There are three components to Virginia's HSIP program: 1) Highway Safety Program, 2) Bicycle and Pedestrian Safety Program, and 3) Highway-Rail Grade Crossing Safety Program.

**IM - Interstate Maintenance** (IM) program provides reconstruction, maintenance, and improvements to the National System of Interstate and Defense Highways. The Commonwealth Transportation Board (CTB) administers these programs.

**NHPP - National Highway Performance Program** (NHPP) provides support for the condition and performance of the National Highway System (NHS), for the construction of new facilities on the NHS, and to ensure that investments of federal-aid funds in highway construction are directed to support progress toward the achievement of performance targets established in VDOT's asset management plan for the NHS.

**NHS - National Highway System** (NHS) projects can be funded only if they are on the National Highway System, which is established by Congress.

**Non-Federal** - Any funding that does not come from federal sources is grouped into the non-federal funding category.

**STBG - Surface Transportation Block Grant Program** (STBG, formerly RSTP) provides federal funding that may be used by states and localities for a wide range of highway and transit projects. STBG funds are STP funds that are apportioned to Transportation Management Area MPOs within a state. As a TMA MPO, the Roanoke Valley TPO Policy Board is responsible for awarding STBG funds for RVTPO candidate projects according to the RVTPO's STBG Project Development and Selection Procedures.

**SAFETEA-LU - The Safe Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users** is the federal transportation bill that provides federal transportation funding to each state. The SAFETEA-LU funding category refers to funding earmarks that Congress included in the legislation for specific projects. This funding can only be used for the project(s) for which it is earmarked.

**SMART SCALE** - The System Management and Allocation of Resources for Transportation (Safety, Congestion, Accessibility, Land Use Coordination, Environment, Economic Development) is a competitive grant program whereby localities, PDCs, MPOs, and transit providers apply for capacity expansion transportation projects which will be fully funded in the Six-Year Improvement Program. Candidate projects are scored based on the six above listed factors and awarded by the Commonwealth Transportation Board.

**STP - Surface Transportation Program** (STP) can be utilized on any project located on a roadway that is classified higher than a minor collector. Projects eligible for funding under this program include construction, reconstruction, and rehabilitation, and bridge projects on any public road. Local STP funds are designated as L-STP.

**SRTS - Safe Routes to School** was a competitive grant program to enable and encourage children to safely walk and bicycle to school that via the FAST Act was incorporated under TAP. SRTS funds are used for infrastructure improvements and educational programs.

**TAP - Transportation Alternatives Set-Aside Program** funds have been made available for bicycle and pedestrian facilities through MAP-21. The Transportation Alternatives Program redefines the former Transportation Enhancement (TE) Program and consolidates these eligibilities with the Safe Routes to School and Recreational Trails program eligibilities. The program is intended to help local sponsors fund community-based projects that expand travel choices and enhance the transportation experience by improving the cultural, historical and environmental aspects of the transportation infrastructure. The program does not fund traditional roadway projects or provide maintenance for these facilities. Instead it focuses on providing for pedestrian and bicycle facilities, community improvements and mitigating the negative impacts of the highway system. Projects with EN have previous Transportation Enhancement funds attached to them.

## **Transit Funding Programs:**

### **Section 5307**

Federal Transit Administration formula grants for transit capital and operating assistance in urbanized areas.

### **Section 5310**

Federal Transit Administration funds for private and non-profit organizations providing mass transportation services for the elderly and disabled.

### **Section 5311**

Federal Transit Administration funds formula grants providing funding for public transit in non-urbanized areas with a population under 50,000.

### **Section 5314**

Federal Transit Administration funds for research and demonstration programs to study, design, and demonstrate transit policies and advanced technologies.

### **Section 5339**

Federal Transit Administration capital funding to replace, rehabilitate and purchase buses, vans and related equipment, and to construct bus-related facilities.

### **Flexible STP**

Federal Highway Administration Surface Transportation Program (STP) funds provide flexible funding that may be used by States and localities for projects on any Federal-aid highway, bridge projects on any public road, transit capital projects, and bus terminals and facilities.

### **New Freedom**

Federal Transit Administration funds for providing new public transportation services to overcome existing barriers facing Americans with disabilities seeking integration into the workforce and full participation into society.

### **SMART SCALE**

The System Management and Allocation of Resources for Transportation: Safety, Congestion, Accessibility, Land Use Coordination, Environment, Economic Development (SMART SCALE) is a competitive grant program whereby localities, PDCs, MPOs, and transit providers apply for transportation projects which will be fully funded in the Six-Year Improvement Program. Applications are scored based on the six above listed factors.

### **STBG**

Surface Transportation Block Grant Program (STBG, formerly RSTP) the Surface Transportation Program (STP) provides federal funding that may be used by states and localities for a wide range of highway and transit projects. STBG funds are STP funds that are apportioned to specific regions within a state. The Roanoke Valley Area TPO Policy Board is responsible for scoring and awarding STBG funds for RVTPO candidate projects.

The following table lists the acronyms for all potential funding sources.

**Table 4: Acronyms for Funding Sources**

<b>Abbreviation</b>	<b>Funding Source</b>
AC	<i>Advance Construction funds</i>
ARRA	<i>American Recovery and Reinvestment Act of 2009</i>
BR/BROS	<i>Bridge Rehabilitation and Replacement Program</i>
DEMO	<i>Federal Demonstration funds</i>
EB	Equity Bonus
HES	Hazard Elimination Funds
HPD	Highway Priority Demonstration
HSIP	Highway Safety Improvement Program
IM	Interstate Maintenance Program
NF	Non Federal funding
NHPP	National Highway Performance Program
NHS	National Highway System
STBG	Surface Transportation Block Grant Program
SAFETEA-LU	The Safe Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SMART SCALE	System Management and Allocation of Resources for Transportation (Safety, Congestion, Accessibility, Land Use Coordination, Environment, Economic Development)
STP	Surface Transportation Program
SRTS	Safe Routes to School
TAP	Transportation Alternatives Set-Aside Block Grant Program
5307	Federal Transit Administration Section 5307 Funding
5310	Federal Transit Administration Section 5310 Funding
5311	Federal Transit Administration Section 5311 Funding
5314	Federal Transit Administration Section 5314 Funding
5339	Federal Transit Administration Section 5339 Funding

## **4.2 Project Selection Overview**

In Metropolitan Planning Areas (MPA), transportation projects selected for federal funding in the TIP must be consistent with the approved Metropolitan Transportation Plan ([Vision 2040: Roanoke Valley Transportation](#)). All projects which are regionally significant (serving regional transportation needs), must be contained within the MTP. In addition, the STIP submitted by the Commonwealth Transportation Board (CTB) to FTA and FHWA must be consistent with all the metropolitan TIPs.

As the Metropolitan Planning Organization (MPO) for the Roanoke Valley MPA, the RVTPO is responsible for project selection and allocation of funds under two federal funding programs – the Surface Transportation Block Grant Program (STBG) and the Transportation Alternatives Set-Aside Block Grant Program (TA).

### **4.2.1 Surface Transportation Block Grant Program**

The Surface Transportation Block Grant Program: Roanoke Valley Urbanized Area Suballocation Funding (STBG), formerly referred to as the Regional Surface Transportation Program (RSTP) provides federal funding that may be used for a wide range of highway, transit, and other surface transportation projects. STBG funds are apportioned to large urban regions (200,000+ population) within a state. Among its functions, the RVTPO Policy Board is responsible for project selection and allocation of approximately \$5M/year under the 80% federally, 20% state-funded STBG program for the Roanoke Valley Urbanized Area. Since 2013, the RVTPO Policy Board has selected transportation projects funded by STBG. Projects funded through STBG are included in the TIP. Documentation of RVTPO Policy Board funding approvals or Transportation Technical

Committee funding adjustments related to STBG that take place during the timeframe of this TIP are included in Appendix H.

The RVTPO's STBG process is described in the [Surface Transportation Block Grant Program: Roanoke Valley Urbanized Area Suballocation Funding Project Development and Selection Procedures](#) included in Appendix G. By adopting and updating these Procedures, the RVTPO Policy Board acknowledges the "document serves as a guide to applicants, staff, and stakeholders regarding opportunities to apply for funding, financial adjustments to previous approved projects, policies related to the allocation and use of funds, the scheduling of related activities, and the process for the Policy Board's selection of projects" and, "...will use the Procedures to guide transportation investment decisions using STBG funds." ([RVTPO Resolution, April 25, 2019](#))

The RVTPO's STBG project selection is a cooperative process among its members. Amendments to 23 U.S.C funded projects and, particularly STBG funded projects, must be approved by the RVTPO Policy Board and the Commonwealth Transportation Board. This project selection process is consistent with [23 U.S.C. section 134\(j\)\(3\) and \(5\)\(a\)](#), and [23 CFR 450.330](#).

For more information, visit the [RVTPO STBG Funding Program](#) website at [rvarc.org/stbg](http://rvarc.org/stbg).

#### **4.2.2 Transportation Alternatives Set-Aside Block Grant Program**

The Fixing America's Surface Transportation (FAST) Act converts the long-standing Surface Transportation Program (STP) into the Surface Transportation Block Grant Program (STBG), which includes a set-aside amount called the Transportation Alternatives or "TA Set-Aside" as set forth in 23 U.S.C. 133(h). The set-aside funding includes all activities that were previously eligible under TAP (Transportation Alternatives Program set forth in MAP-21), encompassing a variety of smaller-scale, non-traditional transportation projects. Administered by VDOT, these projects must focus on non-motorized transportation opportunities and enhancements to the transportation experience.

The program is intended to help local sponsors fund community-based projects that expand travel choices and enhance the transportation experience by improving the cultural, historical and environmental aspects of the transportation infrastructure. The program does not fund traditional roadway projects or provide maintenance for these facilities. Instead it focuses on providing for pedestrian and bicycle facilities, community improvements and mitigating the negative impacts of the highway system. TA Set-Aside is part of the Federal-aid Highway program. It is not a grant program and funds are only available on a reimbursement basis. This means the project sponsor must first incur project expenses and then request reimbursement.

The RVTPO was designated a Transportation Management Area (TMA) in 2012 and is involved in the solicitation and allocation of its apportionment of TA Set-Aside funds which is around \$530,000 for each two-year period. In 2018, the RVTPO approved the following policy regarding TA funds:

*The Policy Board of the Roanoke Valley Transportation Planning Organization (RVTPO) will allocate Transportation Alternatives Set Aside Block Grant Program (TA) funding on a two-year application cycle, which conforms to Virginia Department of Transportation (VDOT) and Commonwealth Transportation Board policies. As the application and scoring period does not occur annually, but rather in odd years beginning with 2017, the RVTPO Policy Board will make applications based on two fiscal years of funding. Consistent with VDOT policies, the RVTPO TA allocations will include those made for both fiscal years' worth of funding with the*



*understanding that the first-year funds, if applicable, are "allocated" and the second-year awards are "committed". The second fiscal year funding will not be available for obligation or reimbursement until the next federal fiscal year. Under the two-year cycle, the maximum request is \$2 million per application.*

Documentation of RVTPO Policy Board funding approvals related to TA Set-Aside funding that take place during the timeframe of this TIP are included in Appendix I for reference. For more information, visit the [RVTPO TA Program](http://rvarc.org/ta) website at [rvarc.org/ta](http://rvarc.org/ta).

#### **4.2.3 Commonwealth Transportation Board's Six-Year Improvement Program**

Within the framework of metropolitan cooperation, the Commonwealth Transportation Board (CTB) has lead responsibility for selecting and programming federally funded Interstate Maintenance, Bridge, National Highway System, Statewide (non-metropolitan) STP, Safety, Enhancement, and certain FTA Section 5310 projects. Local governments, transit agencies, and the RVTPO Policy Board have lead responsibility for selecting projects (that are consistent with the RVTPO long-range plan and make progress toward achieving the RVTPO's performance targets) to submit for SMART SCALE or MERIT, the CTB's primary funding mechanisms for transportation projects.

The CTB adopts a Six-Year Program on an annual basis. The Six-Year Program (SYP) includes the VDOT and DRPT Six-Year Improvement Program (SYIP) and VDOT's Secondary Six-Year Program (SSYP) which includes maintenance projects on secondary system streets. These programs are developed by evaluation of existing and future needs based upon statewide and regional plans and projections, of project priorities for implementation of the transportation plan, and of public comment on transportation priorities.

Projects listed in the Six-Year Program are updated to reflect the latest revenue estimates, project costs, changes in priorities, and federal and state laws. Criteria used in selecting proposed projects are typically defined by the individual funding program. Stakeholders select projects for submittal to state-management funding programs and the RVTPO may endorse the projects at the time of submittal and/or as part of this TIP process. Projects selected for grant applications should consider the following elements as they are important when determining RVTPO project investment priorities.

- Conformance to the RVTPO adopted long-range transportation plan and consideration of member local governments/agencies plans and programs;
- MAP-21 planning factors:
  - Support the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
  - Increase the safety of the transportation system for motorized and non-motorized users;
  - Increase the security of the transportation system for motorized and non-motorized users;
  - Increase accessibility and mobility of people and freight;
  - Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
  - Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
  - Promote efficient system management and operation;
  - Emphasize the preservation of the existing transportation system;
  - Improve the resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts of surface transportation; and
  - Enhance travel and tourism.
- Provision of funding for previously programmed projects in need of additional funds; and
- Comments received as part of the RVTPO Public Involvement Process.

## 5.0 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).

The table below shows the timeline of target rollout.

**Table 5: Performance Measures and Target Deadlines**

<b>Rule and Effective Date(s)</b>	<b>Performance Measures</b>
<b>Safety</b> Final Rule published 1/15/16. Effective date 1/14/16. RVTPO adopted PM targets 1/25/18.	1. Number of fatalities 2. Fatality rate (per 100 million VMT) 3. Number of serious injuries 4. Serious injury rate (per 100 million VMT) 5. Number of non-motorized fatalities and serious injuries.
<b>Pavement and Bridge</b> Final Rule published 1/18/17. Effective date 5/20/17. RVTPO adopted PM targets 10/25/18.	1. % of pavements on the Interstate system in good condition 2. % of pavements on the Interstate system in poor condition 3. % of pavements on the non-Interstate NHS in good condition 4. % of pavements on the non-Interstate NHS in poor condition 5. % of NHS bridges classified as in good condition 6. % of NHS bridges classified as in poor condition
<b>Highway System Performance</b> Final Rule published 1/18/17. Effective date 5/20/17. RVTPO adopted PM targets 10/25/18.	1. % of person miles traveled on the Interstate system that are reliable 2. % of person miles traveled on the non-Interstate NHS that are reliable 3. % of Interstate system mileage providing for reliable truck travel times (Truck Travel Time Reliability)
<b>Transit Asset Management</b> Final Rule published 7/26/16. Effective date 10/1/16. RVTPO adopted PM targets 10/25/18.	1. % of revenue vehicles that have met or exceeded their useful life benchmark 2. % of non-revenue vehicles that have met or exceeded their useful life benchmark 3. Percentage of facilities rated in poor condition
<b>Public Transit Agency Safety Plan</b> Final Rule published 7/19/18. Effective date 7/19/19. RVTPO adopted PM targets 1/28/21.	1. Fatalities (total number of reportable fatalities per year) 2. Fatalities (rate per total vehicle revenue miles by mode) 3. Injuries (total number of reportable injuries per year) 4. Injuries (rate per total vehicle revenue miles by mode) 5. Safety events (total number of safety events per year) 6. Safety events (rate per total vehicle revenue miles by mode) 7. System Reliability: Distance between Major Failures 8. System Reliability: Distance between Minor Failures

Regarding the new 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.*

Concurrent amendments to the 2040 Constrained Long-Range Multimodal Transportation Plan (CLRMTP) have and will be made to describe, in detail, performance measures and targets and to provide a system performance report current to the time of most recent CLRMTP adoption. Metropolitan Planning Organizations have the option to create their own Performance Targets or adopt those developed by VDOT. The RVTPO has adopted the VDOT and VDRPT targets for the required performance measures applicable to the RVTPO study area.

## **5.1 Safety Performance Measures**

The Virginia 2017-2021 Strategic Highway Safety Plan (SHSP) provides a comprehensive framework for Virginia stakeholders to address transportation-related crashes. The vision for the plan is for every road user, whether driving, walking, bicycling, or taking transit, to “Arrive Alive” at their destination. The Virginia Department of Transportation and other state safety stakeholders will accomplish this by addressing the most pressing safety issues, through a combination of safety programs and projects. Within the CLRMTP and other short- and long-range transportation planning and programming activities, the RVTPO can apply information from the SHSP and the results of regional crash analysis to support investments that render regional and local travel safer and ultimately contribute to the “Arrive Alive” vision.

The Virginia SHSP is a data-driven plan which establishes a framework of emphasis areas, strategies, and actions to guide stakeholders toward the implementation of effective programs and projects. Key factors contributing to crashes are impaired driving, speed, occupant protection, roadway departures, intersections, young drivers, bicycles, and pedestrians. Each of these emphasis areas is supported by a range of multi-disciplinary (engineering, enforcement, education, and emergency response) strategies and actions to characterize effective solutions.

To follow-up on the Virginia SHSP, in August 2019, the RVTPO conducted a Roanoke Valley Regional Safety Study with crash locations and potential countermeasures. The Study identifies regional safety needs to guide improvements.

Federal legislation in 23 CFR §450.306(d)(2) requires the RVTPO to adopt or define five evidence-based safety performance measures and accompanying targets. The purpose of the targets is to help VDOT, and regional planning agencies, including the RVTPO, prioritize programs and projects that will reduce transportation-related fatalities and serious injuries. On January 25, 2018, the RVTPO adopted VDOT’s five-year performance targets for the following five performance measures:

Performance Measure	2011-2015 Performance	Target Reduction	2013-2017 Target
Number of fatalities, 5-year rolling average	16	2% reduction	15
Rate of fatalities, 5-year rolling average	0.84	1.25% reduction	0.79
Number of serious injuries, 5-year rolling average	215	5% reduction	144
Rate of serious injuries, 5-year rolling average	11.17	11.5% reduction	7.47
Number of non-motorized fatalities and non-motorized serious injuries, 5-year rolling average	18	4% reduction	16

Strategies to meet safety performance measure targets are built into funding programs that utilize federal funds. Such programs include the Highway Safety Improvement Program (HSIP), System Management and Allocation of Resources for Transportation Safety Congestion Accessibility Land Use Economic Development Environment (SMART SCALE), and the Regional Surface Transportation Program (RSTP). The RVTPO and its member localities coordinate with the VDOT Salem District to identify improvements eligible for funding through HSIP. This includes corridor-specific and district-wide investments to deploy roadway departure countermeasures (signs, flashers, lighting, rumble strips) and traffic signal upgrades.

Virginia’s SMART SCALE prioritization program awards points to projects for estimated reductions in fatality and serious injury crashes. When allocating STBG funds, the projects that are perceived to increase safety and security of the transportation system are ranked higher than others for that scoring criteria. In addition, the VDOT Construction Districts also have the flexibility to address safety considerations, such as rumble strips or striping in coordination with resurfacing projects.

## 5.2 Pavement and Bridge Performance Measures

In accordance with the requirements of MAP-21 and the FAST Act, Virginia has established pavement and bridge condition performance targets as reported in Virginia’s Baseline Performance Period Report for 2018-2021<sup>1</sup>. This report, submitted to FHWA in October 2018, satisfies the federal requirement that State DOTs submit a Baseline Performance Period Report to FHWA by October 1st of the first year in a performance period. Performance measures for pavement condition are required for the National Highway System (NHS), while bridge condition requirements relate to structures identified as part of the National Bridge Inventory on the NHS. The pavement condition measures and established performance targets for the 2018-2021 performance period are indicated in Table 6.

**Table 6: Pavement Condition Measures and Performance Targets**

Interstate Pavement Condition Measures <sup>2</sup>	CY 2018-2019 Two-Year Target	CY 2018-2021 Four-Year Target
Percentage of Pavements in Good Condition	N/A <sup>3</sup>	45.0%
Percentage of Pavements in Poor Condition	N/A <sup>3</sup>	3.0%
Non-Interstate NHS Pavement Condition Measures <sup>4</sup>	2018-2019 Two-Year Target	2018-2021 Four-Year Target
Percentage of Non-Interstate Pavements in Good Condition	25.0%	25.0%
Percentage of Non-Interstate Pavements in Poor Condition	5.0%	5.0%

Bridge condition measures and established performance targets for the 2018-2021 performance period are indicated in Table 7.

<sup>1</sup> Virginia’s Baseline Performance Period Report data is through December 2017.

<sup>2</sup> Interstate condition measures are based on four distresses: International Roughness Index (IRI), cracking, rutting, and faulting.

<sup>3</sup> During this first performance period, States are not required to establish 2-year targets for interstate pavements; however, Virginia has chosen to establish performance targets and are 45.0% and 3.0% for percentage of pavements in good and poor condition, respectively.

<sup>4</sup> During this first performance period, Federal requirements for Non-Interstate NHS pavement condition and performance targets are based on a single distress, IRI. However, Federal guidance outlined in a September 27, 2018 Memorandum on State DOT Targets for Non-Interstate NHS Pavement Measures allows for the use of full distress data when reporting Non-Interstate NHS performance targets. Given the availability of full distress data, Virginia has chosen this approach and reported performance targets for Non-Interstate NHS pavements based on all four distresses. This allows for consistency in assessing the condition and setting performance targets for both Interstate and Non-Interstate NHS pavements.

**Table 7: NHS Bridge Condition Measures and Performance Targets**

<b>NHS Bridge Condition Measures</b>	<b>CY 2018-2019 Two-Year Target</b>	<b>CY 2018-2021 Four-Year Target</b>
Percentage of Deck Area of NBI Bridges on the NHS in Good Condition	33.5%	33.0%
Percentage of Deck Area of NBI Bridges on the NHS in Poor Condition	3.5%	3.0%

**Table 8: Pavement Condition Measures, Four-Year Targets, and RVTP0 2019 Data**

<b>Interstate Pavement Condition Measures</b>	<b>CY 2018-2021 Four-Year Target</b>	<b>RVTP0 2019 Data</b>
Percentage of Pavements in Good Condition	45.0%	39.0%
Percentage of Pavements in Poor Condition	3.0%	0.10%
<b>Non-Interstate NHS Pavement Condition Measures</b>	<b>2018-2021 Four-Year Target</b>	<b>RVTP0 2019 Data</b>
Percentage of Non-Interstate Pavements in Good Condition	25.0%	42.8%
Percentage of Non-Interstate Pavements in Poor Condition	5.0%	0.30%

**Table 9: Bridge Condition Measures, Four-Year Targets, and RVTP0 2019 Data**

<b>NHS Bridge Condition Measures</b>	<b>CY 2018-2021 Four-Year Target</b>	<b>RVTP0 2019 Data</b>
Percentage of Deck Area of NBI Bridges on the NHS in Good Condition	33.0%	10.7%
Percentage of Deck Area of NBI Bridges on the NHS in Poor Condition	3.0%	6.7%

### **5.3 “Highway System Performance” Performance Measures**

In accordance with the requirements of MAP-21 and the FAST Act, Virginia has established performance targets for three reliability performance measures to assess the Highway System Performance. All three measures are included in Virginia’s Baseline Performance Period Report for 2018-2021 which was submitted to FHWA in October 2018. This report satisfies the federal requirement that State DOTs submit a Baseline Performance Period Report to FHWA by October 1st of the first year in a performance period and establishes baseline performance as of December 31, 2017.

Performance of the NHS is measured by the level of travel time reliability. The travel time reliability performance measures and performance targets for the 2018-2021 performance period are indicated in Table 10.

**Table 10: National Highway System Travel Time Reliability Performance Measures and Targets**

<b>NHS Travel Time Reliability Performance</b>	<b>CY 2018-2019 Two-Year Target</b>	<b>CY 2018-2021 Four-Year Target</b>
Percent of Person Miles Traveled on the Interstate that are Reliable	82.2%	82.0%
Percent of Person Miles Traveled on the Non-Interstate NHS that are Reliable	N/A <sup>1</sup>	82.5%

The assessment for freight reliability is based on the truck travel time reliability index. The truck travel time reliability performance measure and performance targets for the 2018-2021 performance period are indicated in Table 11 below.

**Table 11: Freight Reliability Performance Measure and Targets**

<b>Truck Travel Time Reliability Performance</b>	<b>CY 2018-2019 Two-Year Target</b>	<b>CY 2018-2021 Four-Year Target</b>
Truck Travel Time Reliability Index	1.53	1.56

#### **5.4 Transit Asset Management Performance Measures**

The National Transit Asset Management System Final Rule (49 U.S.C 625) specifies four performance measures, which apply to four TAM asset categories: equipment, rolling stock, infrastructure, and facilities. Table 12 describes each of these measures.

**Table 12: TAM Performance Measures by Asset Category**

<b>Asset Category</b>	<b>Relevant Assets</b>	<b>Measure</b>	<b>Measure Type</b>	<b>Desired Direction</b>
Equipment	Service support, maintenance, and other non-revenue vehicles	Percentage of vehicles that have met or exceeded their ULB	Age-based	Minimize percentage
Rolling Stock	Buses, vans, and sedans; light and heavy rail cars; commuter rail cars and locomotives; ferry boats	Percentage of revenue vehicles that have met or exceeded their ULB	Age-based	Minimize percentage
Facilities	Passenger stations, parking facilities, administration and maintenance facilities	Percentage of assets with condition rating lower than 3.0 on FTA TERM Scale	Condition-based	Minimize percentage

FTA = Federal Transit Administration. TAM = Transit Asset Management. TERM = Transit Economic Requirements Model. ULB = Useful Life Benchmark.

Two definitions apply to these performance measures:

- **Useful Life Benchmark (ULB)**—“The expected lifecycle of a capital asset for a particular transit provider’s operating environment, or the acceptable period of use in service for a particular transit provider’s operating environment.” For example, FTA’s default ULB of a bus is 14 years.
- **FTA Transit Economic Requirements Model (TERM) Scale**—A rating system used in FTA’s TERM to describe asset condition. The scale values are 1 (poor), 2 (marginal), 3 (adequate), 4 (good), and 5 (excellent).

The National Transit Asset Management System Final Rule (49 U.S.C. 625) requires that all transit agencies that receive federal financial assistance under 49 U.S.C. Chapter 53 and own, operate, or manage capital assets used in the provision of public transportation create a TAM plan. Agencies are required to fulfill this requirement through an individual or group plan. The TAM rule provides two tiers of requirements for transit agencies based on size and operating characteristics:

- A Tier I agency operates rail OR has 101 vehicles or more all fixed route modes OR has 101 vehicles or more in one non-fixed route mode.
- A Tier II agency is a subrecipient of FTA 5311 funds OR is an American Indian Tribe OR has 100 or less vehicles across all fixed route modes OR has 100 vehicles or less in one non-fixed route mode.

The Department of Rail and Public Transportation (DRPT) is the sponsor for the Statewide Tier II Group Plan. The Roanoke Valley Transportation Planning Organization programs federal transportation funds for the Greater Roanoke Transit Company (Valley Metro), Unified Human Services Transportation Systems, Inc. (RADAR), and Lutheran Family Services of Virginia. Greater Roanoke Transit Company/Valley Metro is a Tier II agency participating in the DRPT sponsored group TAM Plan. The RVTPO has integrated the goals measures and targets described in the [Federal Fiscal Year 2018 Group Transit Asset Management Plan and 2020 plan Addendum](#) into the RVTPO’s planning and programming process; specific targets for the Tier II Group TAM Plan are included in the following table.

**Table 13: TAM Targets for rolling stock and facilities: Percentage of Revenue Vehicles that have met or exceeded their ULB by Asset Type**

Asset Category - Performance Measure	Asset Class	2020 Target*
<b>Revenue Vehicles</b>		
Age - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)	AB - Articulated Bus	15%
	BU - Bus	10%
	CU - Cutaway	10%
	MB - Minibus	20%
	BR - Over-the-Road Bus	15%
	TB - Trolley Bus	10%
	VN - Van	25%
<b>Equipment</b>		
Age - % of vehicles that have met or exceeded their Useful Life Benchmark (ULB)	Non-Revenue/Service Automobile	25%
	Trucks and other Rubber Tire Vehicles	25%
<b>Facilities</b>		
Condition - % of facilities with a condition rating below 3.0 on the FTA TERM Scale	Administrative and Maintenance Facility	10%
	Administrative Office	10%
	Maintenance Facility	10%
	Passenger Facilities	10%

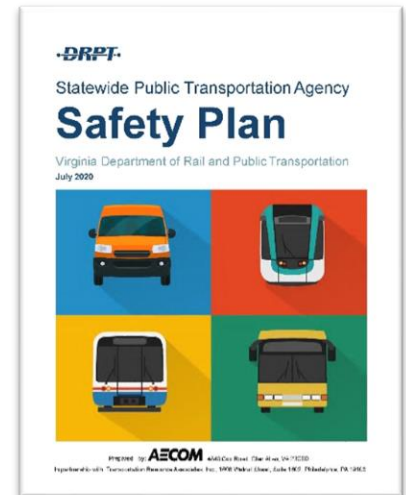
\*2020 TAM Plan

performance measure targets are pending RVTPO approval.

## 5.5 Public Transit Agency Safety Plan

The Public Transportation Agency Safety Plan (PTASP) final rule (49 C.F.R. Part 673) intends to improve public transportation safety by guiding transit agencies to more effectively and proactively manage safety risks in their systems. It requires certain recipients and sub-recipients of Federal Transit Administration (FTA) grants that operate public transportation to develop and implement safety plans that, establish processes and procedures to support the implementation of Safety Management Systems (SMS).

The rule applies to all operators of public transportation systems that are recipients and sub-recipients of FTA grant funds. Specifically, recipients or sub-recipients who operate public transportation and are a recipient or sub-recipient of Urbanized Area Formula Grant Program funds under the Section 5307 Grant Program.



The Virginia Department of Rail and Public Transportation (DRPT) adopted a PTASP on behalf of small Tier II transportation providers, of which Valley Metro belongs, on August 11, 2020. Tier II transit agencies must set their safety targets in the safety plan for each fixed-route and paratransit mode for the following performance measures:

1. Fatalities (total number of reportable fatalities per year)
2. Fatalities (rate per total vehicle revenue miles by mode)
3. Injuries (total number of reportable injuries per year)
4. Injuries (rate per total vehicle revenue miles by mode)
5. Safety events (total number of safety events per year)
6. Safety events (rate per total vehicle revenue miles by mode)
7. System Reliability: Distance between Major Failures
8. System Reliability: Distance between Minor Failures

All MPOs with transit agencies participating in the Tier II PTASP must reference performance targets and plans within their Transportation Improvement Program (TIP) and Long-Range Plan. The Safety performance targets and performance-based plans should inform a transit agency's investment priorities, and those investment priorities should be carried forward within the MPO's and State DOT's planning processes.

The performance measures and their targets, by mode, were transmitted to staff by DRPT and are as follows:



Performance Measures	Targets by Mode	
	Fixed Route	Paratransit/ Demand Response
<b>Fatalities (total number of reportable fatalities per year)</b>	0	0
<b>Fatalities (rate per total vehicle revenue miles by mode)</b>	0	0
<b>Injuries (total number of reportable injuries per year)</b>	9	3
<b>Injuries (rate per total vehicle revenue miles by mode)</b>	Less than .5 injuries per 100,000 vehicle revenue miles	Less than .5 injuries per 100,000 vehicle revenue miles
<b>Safety events (total number of safety events per year)</b>	17	8
<b>Safety events (rate per total vehicle revenue miles by mode)</b>	Less than 1 reportable event per 100,000 vehicle revenue miles	Less than 1 reportable event per 100,000 vehicle revenue miles
<b>System Reliability: Distance between Major Failures</b>	10,000 miles	3,200 miles
<b>System Reliability: Distance between Minor Failures</b>	10 000 miles	3,200 miles

## 6.0 Roadway, Bicycle, and Pedestrian Projects

This section summarizes the TIP roadway, bicycle, and pedestrian projects. Although some projects listed here may have already been constructed, the financials are not complete which is why they are still included in the TIP. More detailed project information is provided in Appendices A and B. The *August 2020 Project Status* column indicates the project phase based on financial obligations to it at that time.

The tables below list the TIP projects by locality and by ungrouped vs. grouped projects by category. More information about the project groupings can be found in VDOT's STIP Procedures Document (July 2019 version) available online (<http://www.virginia.gov/about/stip.asp>).

### 6.1 Bedford County

Group - Construction: Bridge Rehabilitation/Replacement/Reconstruction

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Secondary	62650	Rte. 634 over Roanoke River Bridge Replacement	From 0.19 mi. W. of Franklin Co. line to 0.12 mi. E. of Bedford Co. line (0.300 mi.)	Route 634	\$12,982,098	Completed

Group - Construction: Safety/Intelligent Transportation Systems/Operational Improvements

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	107053	Rte. 24 – Bedford Co. Safety Improvements	From: 0.152 mi. W. of Rte. 886 To: 0.156 mi. W. of Rte. 635 South (Spradlin Rd.)	VA Route 24	\$1,681,569	Completed
Primary	107063	Rt. 221 Bedford Co. - Bike & Ped Safety Improvements	From: 0.17 mi. W. along Rte. 663 from Int. w/ Rte. 221 To: Int. of Rte. 221 and Rte.1425	U.S. 221	\$2,550,000	Right-of-Way Acquisition
Primary	109582	US 460 Safety Improvements: HSIP	From: Rte. 741 (Beale Trail Rd. / Little Patriot Dr.) To: Rte. 689 (Johnson School Rd.)	U.S. 460	\$4,510,000	Preliminary Engineering

## 6.2 Botetourt County

### Ungrouped Projects

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Interstate	75910	U.S. 11, 220, 220A Access Management Project at I-81 Exit 150	From 0.30 mi. S. of U.S. 220 to 0.74 mi. N. of U.S. 220 (1.0410 mi.)	I-81	\$50,321,303	Completed

### Group - Construction: Bridge Rehabilitation/Replacement/Reconstruction

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	77300	Rte. 11 over Tinker Creek Bridge Replacement (Str. 03166)	From 0.02 mi. N. of Rte. 1039 to 0.13 mi. N. of Rte. 1039 (0.09 mi.)	U.S. 11	\$5,018,555	Completed
Primary	77302	Rte. 11 over Tinker Creek Bridge Replacement (Str. 3167)	From Rte. 838 to 0.09 mi. N. of Rte. 838 (0.09 mi.)	U.S. 11	\$3,803,513	Completed
Secondary	52803	Rte. 779 Intersection Improvements & Bridge over Amsterdam Creek	From 0.169 mi. E. Rte. 672 E. to 0.236 mi. W. Rte. 672 East (0.4213 mi.)	Rte. 779	\$7,857,623	Completed

Group - Construction: Safety/Intelligent Transportation Systems/Operational Improvements

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	115457	Rte. 220 at International Pkwy. Intersection	From: 0.25 mi. N International Pkwy. To: 0.25 mi N International Pkwy. (2020 SMART SCALE project)	Roanoke Rd.	\$4,551,000	Not Started
Primary	T24740	Route 220 Superstreet Improvement	Convert crossovers along the Route 220 Corridor in Daleville to RCUT's to provide a superstreet concept.	U.S. 220 from Tinker Mountain Dr. to Rte. 779.	\$15,461,000	Not Started
Primary	110887	US 220 Access Management Project	Build series of innovative intersections to improve access management & mitigate congestion on US 220 between Daleville & I-81	U.S. 220 between Daleville and I-81	\$10,196,000	Not Started

Group - Construction: Transportation Enhancement/Byway/Non-Traditional

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Enhancement	107521	Daleville Greenway - TAP	From Glebe Rd. (Rte. 675) to Orchard Lake Dr. (Rte. 1035)	Greenway	\$595,438	Preliminary Engineering

### 6.3 Montgomery County

Group - Construction: Safety/Intelligent Transportation Systems/Operational Improvements

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Interstate	92558	Rte. 603 – Ironto / Elliston Connector	From I-81 Exit 128 to Int. of U.S.11/460 (2.011 mi.)	Route 603	\$15,831,822	Completed
Primary	110624	#SGR18 – Rte. 11 over NSRR (Str. 12118) - Deck Replacement	From: 0.4 Mi. North of Big Spring Drive To: 0.4 Mi. South of North Fork Road	U.S. 11	\$2,632,000	Construction

### 6.4 Roanoke County

Ungrouped Projects

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Interstate	111373	I-81 SB Auxiliary Lane from Exit 143 to 141	Add one lane on I-81 SB - From: 0.009 Mi. E. of Int. N. Electric Rd. To: 0.026 Mi. W. of Int. SBL I-81 Entrance Ramp (2018 SMART SCALE project)	I-81	\$32,168,111	Construction
Interstate	116197	#I81CIP Add NB Lane between Exit 128 and Exit 137 (ID #32)	From: MM 128 To: MM 136	I-81	\$265,372,000	Not Started
Primary	17698	Rte. 11/460 – Widen to 4-lane w/ curb, gutter and raised median	From 0.055 mi. E. of WCL Salem to 0.10 mi. W. Rte. 830 (2.1880 mi.)	West Main St. / U.S. 11	\$46,124,165	Completed

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	108905	Lila Dr / Rte. 115 Intersection Safety Improvements	From: Lila Drive To: Rte. 115 (Plantation Rd.) (0.1000 mi.) (2017 HB2/SMART SCALE project)	Plantation Rd. /115	\$1,398,000	Construction
Primary	113947	Pedestrian Improvements on Rte. 11 (Williamson Rd)	From: Clubhouse Drive To: 0.2 mi. S. of Greenway Drive	Williamson Rd. / U.S. 11	\$750,000	Not Started
Miscellaneous	113567	Roanoke River Greenway - Explore Park to Rutrough Road	Construction of greenway through Explore Park to Rutrough Point.	Explore Park	\$3,020,308	Preliminary Engineering

Group - Construction: Bridge Rehabilitation/Replacement/Reconstruction

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	77305	Rte. 116 over Back Creek (Str. 14928) – Bridge Replacement	From 0.293 mi. S. Rte. 945 to 0.564 mi. S. Rte. 945	Rte. 116	\$7,171,589	Completed
Primary	82193	U.S. 220 over Back Creek (Str. 14935) – Bridge Replacement	From 0.199 mi. S. of Rte. 657 to 0.311 mi. N. of Rte. 657	U.S. 220	\$18,885,090	Construction
Primary	94726	U.S. 221 over Martins Creek (Str. 14945) – Bridge Replacement	From 0.03 mi. S. of Int. of Rte. 696 to 0.07 mi. N. Int. Rte. 696	U.S. 221	\$3,647,913	Construction
Secondary	115473	#SGR17 – Rte. 813 over Roanoke River (Str. 12363) Sub Repairs	From: 0.10 Mile from Int. Rte. 11/460 To: 0.18 Mile from Int. Rte. 11/460	Rte. 813	\$2,411,000	Preliminary Engineering

Group - Construction: Safety/Intelligent Transportation Systems/Operational Improvements

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Interstate	99542	I-81 Exit 140 Park & Ride Expansion & Construct New Sidewalk	From Int. Rte. 1128 and Rte. 1150 to 0.17 mi. W. of Int. Rte. 1128 and 1150 (0.17 mi.)	I-81	\$3,353,309	Completed
Interstate	108906	I-81 NB Auxiliary Lane from Exit 141 to 143	Add one lane on I-81 NB - From: 0.026 Mi. West of Int. SBL I-81 Entrance Ramp To: I-81 (2017 HB2/SMART SCALE project)	I-81	\$29,830,716	Construction
Interstate	113173	I-81 Exit 137 SB Safety Improvements	From: Beginning of I-81 Exit 137 SB Off-Ramp To: End of I-81 Exit 137 SB Off-Ramp	I-81	\$1,720,000	Construction
Interstate	115937	#I-81 CIP -- MM139 to MM141 adding lane in each direction	From: Red Ln. Overpass To: 0.3 Mi North of Electric Rd.	I-81	\$78,460,688	Not Started
Interstate	116201	#I-81 CIP - MM 144 to Exit 150 adding NB and SB lanes	From: I-81 MM 144 To: I-81 MM 151	I-81	\$44,250,256	Not Started
Interstate	116203	#I-81 - MM136 to MM139 adding lane in each direction	From: I-81 Exit 137 Interchange To: Red Ln. Overpass	I-81	\$61,569,556	Not Started
Primary	107054	Rte. 311 -Roanoke County Pedestrian Safety Improvements	From NCL Salem to 0.02 mi. N. of I-81 SB ramp (0.09 mi.)	Rte. 311	\$607,000	Completed

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	107061	Rte. 419 Safety Improvements at Tanglewood	From: 0.45 Mile South of Int. of Route 11 & Route 117 To: Int. of Route 11 & Route 117 (2017 HB2/SMART SCALE project)	Rte. 419	\$7,040,000	Construction
Primary	107055	Route 11 & 117 Roanoke Co. - Pedestrian Safety Improvements	From Rte. 117 to U.S. 11	Rte. 117 and U.S. 11	\$1,503,000	Right-of-Way Acquisition
Primary	111407	Rte. 419 & Rte. 221 Adaptive Traffic Control	From: Rte. 221 To: Rte. 419 (2018 SMART SCALE project)	Rte. 419	\$663,000	Completed
Primary	119449	Route 460 Intersections from Carson Rd. to Huntridge Rd.	Improve a series of four intersections with Innovative Intersections to include the following: RCUT at Carson Rd., Seagull at E. Ruritan Rd., RCUT at Country Corner and access changes at Huntridge Rd. Pedestrian accommodations may also be provided.	U.S. 460 (Challenger Dr.) bet. int. of Carson & Huntridge Rds.	\$2,767,000	Not Started
Primary	119450	Route 460 at West Ruritan Road Intersection Improvements	Construct a Thru-Cut at the intersection of U.S. 460 & W. Ruritan Rd. to prohibit NB and SB movements to cross U.S. 460. Movements will make U-turns at Blue Hills Village Dr. & Valley Gateway Blvd.	U.S. 460 (Challenger Dr.) bet. int. of W. Ruritan Rd. & Valley Gateway Blvd.	\$7,537,000	Not Started
Primary	115460	Rte. 419 & Rte. 220 Diverging Diamond Interchange	From: 0.13 Mi. W. Rte. 220 To: 0.23 Mi. E. Rte. 220 (2020 SMART SCALE project)	Rte. 419	\$17,505,001	Preliminary Engineering



System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Secondary	15187	Rte. 1662 - Reconstruction & Replace Bridge over Mud Lick Creek	From: Int. of Rte. 1663 To: Int. of Rte. 419	McVitty Rd.	\$4,474,000	Right-of-Way Acquisition
Secondary	15188	Rte. 1663 - Reconstruct; Drainage Struct/Branch Mud Lick Creek	South Int. Rte. 221	Int. of Rte. 1662	\$687,170	Right-of-Way Acquisition
Secondary	15190	Rte. 688 - Reconstruction	0.056 Mi. S Rte. 221	0.105 Mi. S Rte. 934	\$5,895,794	Completed
Primary	119462	Route 419 Streetscape Improvements, Phase 2	Improvements between Ogden & Starkey Rds. include converting north and south shoulders to shared through/right turn lanes, sidewalks and bicycle lanes on the north and south sides, and pedestrian signals w/crosswalks at the Starkey Rd. intersection.	Route 419 bet. Ogden Rd. and U.S. 220	\$18,469,000	Not Started
Urban	T24550	Oak Grove Streetscape Improvements	This project includes pedestrian crosswalks and signals at the intersection of 419/Carriage/Grandin.	Rte. 419, Carriage Rd., Grandin Rd.	\$137,000	Not Started

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	119468	Valleypointe Parkway Realignment	Widen Valleypointe Pkwy. from 2 to 4 lanes bet. N. Concourse Dr. & Wood Haven Rd., align roadway w/entrance road to Green Ridge, extend/construct turn lanes, construct sidewalk/ crosswalk from N. Concourse Dr. connecting sidewalk @ Green Ridge.	Valleypointe Pkwy. From Concourse Dr. to Int. of Wood Haven Rd.	\$9,837,000	Not Started
Urban	113144	Starkey Road/Buck Mountain Road Intersection Improvements	Convert the unsignalized "T" intersection at Starkey Road and Buck Mountain Road to a single lane roundabout. Pedestrian accommodations are included in the design to extend along each leg and to the Branderwood subdivision.	Int. of Starkey Rd. & Buck Mountain Rd.	\$5,841,000	Preliminary Engineering

Group - Construction: Transportation Enhancement/Byway/Non-Traditional

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	111366	Plantation Rd. Bike/ Ped/ Streetscape Phase II	From: Walrond Dr. To: Gander Way (2020 SMART SCALE project)	Route 115	\$2,101,000	Right-of-Way Acquisition
Enhancement	91191	Roanoke River Greenway – City of Roanoke to Rte. 618	From: City of Roanoke To: Rte. 618 (Highland Rd.)	Roanoke River Greenway	\$6,857,566	Right-of-Way Acquisition
Enhancement	97171	Roanoke County, RRG, Green Hill Park to Riverside Park	From Green Hill Park to Riverside Park (1.7330 mi.) (2017 HB2/SMART SCALE project)	Roanoke River Greenway	\$8,014,409	Right-of-Way Acquisition

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Enhancement	103607	Roanoke County, Plantation Road Streetscape Improvements	From: Williamson Road (Route 11) To: Gander Way / Friendship Ln.	Plantation Rd. (Route 115)	\$2,654,000	Completed
Enhancement	110155	Roanoke River Greenway - Blue Ridge Parkway to Explore Park	Construction of greenway from Blue Ridge Parkway to Explore Park	RVRA Rutrough Road Landfill	\$1,734,000	Construction
Enhancement	111317	Williamson Rd. Sidewalk Improvements	From: Peters Creek Rd. To: Plantation Rd. (2020 SMART SCALE project).	U.S. 11/ Williamson Rd.	\$1,934,000	Preliminary Engineering
Enhancement	113356	Roanoke River Greenway Parkway Crossing	Construction of greenway from 3204 Highland Rd. to 3404 Rutrough Rd.	Highland Rd. to Rutrough Rd.	\$1,353,000	Preliminary Engineering
Miscellaneous	T24579	Orange Market Park and Ride/Parking Lot Improvements	Various lot improvements to Orange Market Park & Ride Lot; construct ADA ramps and Continental crosswalks to cross Rte. 311; add landscaping, bicycle racks,	Orange Market Park and Ride Lot	\$343,573	Not Started

## 6.5 City of Roanoke

### Ungrouped Projects

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	688	13th St. and Hollins Rd.	Reconstruction w/added capacity, From: Jamison Ave To: .08 Mi. N. Int. Orange Ave.	Intersection of 13th St. & Hollins Rd.	\$25,034,586	Right-of-Way Acquisition
Interstate	16595	Rte. 581 – Valley View Interchange Phase II	From: 0.30 mi. south Rte. 101 (Hershberger Rd.) To: 1.560 mi. south Rte 101	I-581	\$60,409,490	Completed

### Group - Construction: Safety/Intelligent Transportation Systems/Operational Improvements

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Interstate	113570	I-581 Exit 2 Interchange Study	From: I-581 To: Peters Creek Rd.	I-581	\$190,000	Preliminary Engineering
Primary	109566	Orange Ave./Blue Hills Signal Upgrade – City of Roanoke	From: Orange Ave. To: Blue Hills Dr.	U.S. 460 / Orange Ave.	\$11,000	Completed
Primary	109570	Orange Ave./Hollins Rd. Signal Upgrade	Int. of U.S. 460 & Rte. 115	U.S. 460 & Rte. 115	\$562,297	Construction

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	119464	Route 460 (Orange Ave) Improvements near Blue Hills Drive	Turn restrictions, signal phase reductions, geometric changes to preserve capacity & provide capacity at 4 intersections along Route 460 at Lynn Brae Dr., Patrick Rd., Blue Hills Dr., & Blue Hills Village Dr.	Rte. 460 (Orange Ave.) from Lynn Brae Dr. to Blue Hills Village Dr.	\$3,383,600	Not Started
Primary	119461	Route 460 (Orange Ave) Improvements at King Street	Some restricted traffic movements, signal phase reductions & geometric changes to preserve/provide capacity along the 460 corridor. Project consists of 3 locations at King St (Thru Cut), median break west of King St. (RCUT) & at Lynn Brae Dr. (RCUT.)	Rte. 460 (Orange Ave.) from Lynn Brae Dr. to King St.	\$2,751,400	Not Started
Urban	111135	Flashing Yellow Arrow - Various Locations - Roanoke City	Various	N/A	\$277,460	Preliminary Engineering
Urban	111137	Rectangular Rapid Flashing Beacons - Roanoke City	Various	N/A	\$108,000	Preliminary Engineering
Urban	111360	Franklin Road Sidewalk Improvements- Rte. 220 B- Roanoke City	bike/ped improvements, From: 3100 Block To: 3700 Block	U.S. 220 Bus. / Franklin Rd.	\$1,704,013	Preliminary Engineering
Urban	111370	Hollins Rd. & Orange Ave. Intersection Improvements	Reconstruction w/added capacity From: Orange Ave To: Hollins Rd. (2018 SMART SCALE project)	Intersection of Hollins Rd. & Orange Ave.	\$5,117,000	Construction

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	113324	Installation of Pedestrian Countdown Signal - Roanoke	From: Gainsboro Rd. To: Burrell St.	From Gainsboro Rd. to Burrell St.	\$101,984	Not Started
Urban	115454	Orange Ave. (U.S. 460) Improvements	Construct a Thru-Cut at the intersection of Route 460 and Blue Hills Dr/Mexico Way and Restricted Crossing U-Turns at the intersections of Route 460 at Lynn Brae Dr, Patrick Rd, and Blue Hills Village Dr.	From King St. to Blue Hills / Mexico Way	\$2,818,704	Not Started
Urban	117221	Franklin Road Sidewalk Improvements - Rte. 220 B- Phase 2	From: 3763 Franklin Rd To: Hounds Chase Ln.	Franklin Rd./U.S. 220	\$1,791,000	
Urban	119555	Valley View Blvd / Aviation Drive Pedestrian Improvements	Construct 5' wide sidewalk on W. side of road (1.25 mi.), ped. signals, ADA ramps, & drainage improvements.	Valley View Blvd. from Roanoke-Blacksburg Reg. Airport to 4800 Blk. of Valley View Blvd.	\$7,178,000	Not Started

Group - Construction: Transportation Enhancement/Byway/Non-Traditional

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Enhancement	105439	Roanoke River Greenway (Bridge St. to Aerial Way Dr.) - RSTP	From Bridge St. to Aerial Way Dr.	Roanoke River Greenway	\$9,000,000	Completed
Enhancement	106265	Garden City Blvd. Bike/Ped - TAP	From Davenport Ave./Ivywood St. to Riverland Rd.	Garden City Blvd.	\$1,680,336	Completed
Enhancement	117994	9 <sup>th</sup> Street Multimodal Improvements	From: Jamison Avenue To: Highland Avenue	9 <sup>th</sup> Street	\$625,000	Construction
Miscellaneous	110101	Tinker Creek Trail Extension	From: Wise Ave. To: Masons Mill Park	N/A	\$7,251,474	Right-of-Way Acquisition
Urban	108896	Colonial Avenue Improvements	Bike/ped facilities. From: 300 ft. beyond Winding Way Rd. SW To: Clearfield Rd. SW	Colonial Ave.	\$7,000,000	Completed
Urban	113568	Roanoke River Greenway Bridge Across Barnhardt Creek	From: 200 ft E of Barnhardt Creek To: 150 ft W of Barnhardt Creek	Roanoke River Greenway	\$897,770	Preliminary Engineering
Urban	72180	City of Roanoke - Roanoke River Greenway	From: within the City of Roanoke Limits	Roanoke River Greenway	\$2,433,000	Completed
Miscellaneous	119666	Roanoke River Greenway - East	PE & ROW acquisition connecting RR Greenway @ Bennington Trail head to greenway on Underhill Rd.	RR Greenway from Bennington trail head to existing greenway on Underhill Rd.	\$835,000	Not Started

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Miscellaneous	119586	Greenway Connection - Riverland Road	Construct greenway along Riverland Rd.	Riverland Rd. from Mill Mtn. parking to existing Garden & RR Greenways	\$1,313,000	Not Started



## 6.6 City of Salem

### Group - Construction: Bridge Rehabilitation/Replacement/Reconstruction

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	110574	Apperson Drive Bridge Replacement	From: E. Riverside Dr. To: Route 419 - Electric Rd.	U.S. 11	\$3,328,203	Preliminary Engineering

### Group - Construction: Safety/Intelligent Transportation Systems/Operational Improvements

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	8753	U.S. 460-Widen to 3 Lanes with Bike Lane, Curb, Sidewalk	From 0.028 mi. W. of Rte. 311 (Thompson Memorial Blvd.) to 0.006 mi. W. of Brand Ave. (0.5473 mi.) (2017 SMART SCALE project)	East Main St. / U.S. 460	\$15,925,395	Construction
Urban	100656	Construct Sidewalk on West Side of 419 and Connect to RRG	From existing RRG in Rotary Park to city limits (0.67 mi.)	Route 419	\$594,720	Completed

### Group - Construction: Transportation Enhancement/Byway/Non-Traditional

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	111367	Mason Creek Greenway Ph3 - 419 Multimodal Improvements.	Bike/Ped facilities, From: Mason Creek Greenway To: Hanging Rock Battlefield Trail (2018 SMART SCALE project)	Mason Creek Greenway	\$2,610,310	Not Started

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	111371	Downtown Salem Int. & Streetscape Improvements	From: West Main St To: East Main St (2018 SMART SCALE project)	East & West Main St.	\$3,629,869	Preliminary Engineering
Urban	113566	Elizabeth Greenway	From: Mason Creek Greenway To: E. Main St. Greenway	Elizabeth Greenway	\$1,104,400	Preliminary Engineering
Enhancement	101838	Bridge on Phase 3A-City of Salem RR Greenway	From approx. 1200 feet E. Mill Ln. to Eddy St.	Roanoke River Greenway	\$751,969	Completed
Enhancement	106268	Hanging Rock Battlefield Trail - TAP	From existing Hanging Rock Battlefield Trail to E. Main St.	Hanging Rock Battlefield Trail	\$1,333,117	Right-of-Way Acquisition
Enhancement	109612	Downtown Streetscape Improvements	From: West side of Broad St. To: East side of White Oak Alley	E. Main St.	\$1,129,000	Construction

## 6.7 Town of Vinton

### Ungrouped Projects

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	113565	Walnut Avenue Bicycle and Pedestrian Accommodations (W. Lee Ave. to 1 <sup>st</sup> St.)	Bike/Ped facilities, From: W. Lee Ave. To: 1st St.	Walnut Ave.	\$545,250	Preliminary Engineering

### Group - Construction: Bridge Rehabilitation/Replacement/Reconstruction

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	76677	Replace Bridge and Approaches over Glade Creek	From 0.098 W. of 5th St. to 0.052 mi. E. of 5th St. (0.15 mi.)	Walnut Ave.	\$3,147,896	Completed

### Group - Construction: Safety/Intelligent Transportation Systems/Operational Improvements

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	111649	Walnut Ave Bike/Ped Accommodations (5th St to Town West Limits)	Bike/Ped facilities, From: 5th St. To: Town West Limits	Walnut Avenue	\$1,679,503	Preliminary Engineering
Urban	113322	Hardy Road/Dillon Woods Crosswalk	Mid-block Crossing on Hardy Road connecting neighborhood to W.E. Cundiff Elementary School and Wolf Creek Greenway	Hardy Road	\$182,693	Not Started

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Urban	T25384	Gus Nicks Boulevard Pedestrian/Bicycle Crossing	Mid-block ped. crossing on Gus Nicks Blvd. connecting to Glade Creek Greenway	Gus Nicks Blvd.	\$404,000	Not Started

Group - Construction: Transportation Enhancement/Byway/Non-Traditional

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Enhancement	109611	Glade Creek Greenway Phase 2A	From: Gearhart Park To: Gus Nicks Blvd.	Glade Creek Greenway	\$683,000	Construction
Enhancement	117995	Glade Creek Greenway Phase 2B	From: Gearhart Park/GC Greenway Phase 2A To: Walnut Avenue/GC Greenway Phase 1	Glade Creek Greenway	\$476,000	Preliminary Engineering

## 6.8 Salem District-wide

### Group - Construction: Bridge Rehabilitation/Replacement/Reconstruction

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Miscellaneous	T19000	Bridge Rehabilitation / Replacement	Various locations district-wide	Various	\$65,829,909	Not Started

### Group - Construction: Safety/Intelligent Transportation Systems/Operational Improvements

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Interstate	108991	Systematic Roadway Departure Treatments	Various	Various	\$2,810,000	Preliminary Engineering
Interstate	109556	Safety Pre-scoping - Salem	Various locations district-wide	Various	\$843,824	Completed
Interstate	116077	Safety Pre-scoping - Salem	Various locations district-wide	Various	\$1,512,000	Preliminary Engineering
Interstate	T21476	Interstate & Primary Cable Guardrail Install-Districtwide	Various locations district-wide	Various	\$500,000	Not Started
Primary	107069	Safety Improvements – Yearly HSIP Open Container Funds	Various locations district-wide	Various	\$2,000,000	Construction
Primary	110887	Rte. 220 Access Management Improvements Project	From: Route 675 (Indian Grave Rd.) Intersection To: Route 862 (Valley Ave.) Intersection	U.S. 220	\$10,196,000	Preliminary Engineering

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	114331	Install Advanced Signal Control Technology and Communication	Various	Various	\$407,136	Completed
Primary	114335	Various Routes - Install Reflective Back Plates	Various locations district-wide	Various	\$208,189	Completed
Primary	T23167	Systemic HSIP Curve Delineation-PE Only	Various locations district-wide	Various	\$4,511,961	Preliminary Engineering
Primary	117211	FY21 Curve Delineation	Various locations district-wide	Various	\$854,000	Construction
Primary	117212	FY 21 Pedestrian Crossing Improvements	Various locations district-wide	Various	\$1,021,751	Preliminary Engineering
Primary	117213	FY 21 Unsignalized Intersections	Various locations district-wide	Various	\$706,000	Not Started
Primary	117214	FY21 Centerline Rumble Strips	Various locations district-wide	Various	\$1,014,000	Construction
Primary	117215	FY21 Edgeline Rumble Strips	Various locations district-wide	Various	\$791,000	Construction
Primary	T21463	Districtwide Systemic Roadway Departure Countermeasures	Various locations district-wide	Various	\$2,562,984	Not Started

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	T21479	Districtwide Rumble Strip Installation- Primary Routes	Various locations district-wide	Various	\$500,000	Not Started
Primary	T23422	FY23 Curve Delineation	Various locations district-wide	Various	\$8,188,000	Not Started
Primary	T23423	FY24 Pedestrian Crossing Improvements	Various locations district-wide	Various	\$1,226,000	Not Started
Primary	T23424	FY23 Unsignalized Intersections	Various locations district-wide	Various	\$222,000	Not Started
Primary	T23425	FY22 Centerline Rumble Strips Installation	Various locations district-wide	Various	\$209,000	Preliminary Engineering
Primary	T23426	FY23 Centerline Rumble Strips Installation	Various locations district-wide	Various	\$209,000	Not Started
Primary	T23427	FY24 Centerline Rumble Strips Installation	Various locations district-wide	Various	\$209,000	Not Started
Primary	T23428	FY25 Centerline Rumble Strips Installation	Various locations district-wide	Various	\$209,000	Not Started
Primary	T23429	FY22 Edgeline Rumble Strips Installation	Various locations district-wide	Various	\$575,000	Preliminary Engineering

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	T23430	FY23 Edgeline Rumble Strips Installation	Various locations district-wide	Various	\$575,000	Not Started
Primary	T23431	FY24 Edgeline Rumble Strips Installation	Various locations district-wide	Various	\$1,735,000	Not Started
Primary	T23432	FY25 Edgeline Rumble Strips Installation	Various locations district-wide	Various	\$575,000	Not Started

Group - Maintenance of Traffic and Safety Operations

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Miscellaneous	T14720	Salem: Traffic and Safety Operations	Funding identified to be obligated districtwide as projects are identified		\$15,382,423	N/A

Group - Preventive Maintenance for Bridges

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Miscellaneous	T14721	Salem: Preventive Maint. for Bridges	Funding identified to be obligated districtwide as projects are identified		\$45,370,193	N/A



Group - Preventive Maintenance and System Preservation

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Primary	118858	#SGR22 FY22 Plant Mix Districtwide Primaries	Various locations districtwide	Various	\$1,500,000	Not started
Miscellaneous	T14722	Salem: Preventive Maint. and System Preservation	Funding identified to be obligated districtwide as projects are identified.		\$85,964,101	N/A

Group - Construction : Transportation Enhancement/Byway/Non-Traditional

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Miscellaneous	T18992	Construction: Transportation Enhancement/ Byway/ Other Non-Traditional	Funding identified to be obligated districtwide as projects are identified		\$52,973,533	N/A

Group - Construction: Rail

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Miscellaneous	T18998	Construction: Rail Projects	Funding identified to be obligated districtwide as projects are identified		\$1,500,000	N/A

Group - Construction: Federal Lands Highway

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Miscellaneous	T19001	Federal Lands Highway	Funding identified to be obligated districtwide as projects are identified		\$1,733,750	N/A

Group - Transit: Amenities

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Miscellaneous	T19021	Construction: Transit Amenities	Funding identified to be obligated districtwide as projects are identified		\$1,904,000	N/A

**6.9 Statewide**

Ungrouped Projects -

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Interstate	115852	ITTF FY20 Micro Transit	From: Various To: Various		\$500,000	N/A

Group - Construction: Safety/Intelligent Transportation Systems/Operational Improvements

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Interstate	107802	Incident Management Emergency Evacuation & Detour Plans	Various	Various	\$918,907	Completed

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Interstate	110551	Traffic Video Expansion - Statewide	Various	Various	\$362,560	N/A
Interstate	110912	Statewide Truck Parking Management System - Phase 1	Various	Various	\$813,019	N/A
Interstate	111613	Statewide Truck Parking Management System - Phase 2	Various	Various	\$1,807,000	N/A
Interstate	111892	ATMS - Phase 1, 2, 3, 4	Various	Various	\$10,900,000	N/A
Interstate	114400	Drone Technology Project	Various	Various	\$300,000	N/A
Interstate	115854	ITTF FY20 Arterial Operations Program Dashboard	N/A	N/A	\$1,250,000	N/A
Interstate	115855	ITTF FY20 High Speed Communications	Various	Various	\$4,700,000	N/A
Interstate	116039	I-81 DMS Installation	Various	Various	\$12,500,000	N/A
Miscellaneous	105481	Improvement iPEMS (Iteris Performance Measurement System)	Various	Various	\$1,400,000	Completed
Miscellaneous	114193	Pedestrian Improvements at Priority Corridor Statewide	Various	Various	\$284,945	N/A

Group - Construction: Rail

System	UPC	Project Name	Description	Street/Route	Estimate	August 2020 Project Status
Miscellaneous	112018	Highway-Rail Safety Inventory Section 130 - PE Only	Statewide	Statewide	\$700,000	Preliminary Engineering
Miscellaneous	112213	Highway-Rail Section 130 Pre Scoping - PE Only	For Highway / Rail Safety Projects Without PE Numbers	Statewide	\$300,000	Preliminary Engineering
Miscellaneous	112497	Environmental EQ429 Form Processing Charges – PE Only	Various	Assigned	\$500,000	N/A

## 7.0 Transit Projects

Funding for the Greater Roanoke Transit Company (GRTC/Valley Metro), Unified Human Services Transportation System, Inc. (RADAR), and Lutheran Family Services of Virginia from federal and other sources for FY 2021-2024 is presented in the program of projects below.

### 7.1 Greater Roanoke Transit Company (Valley Metro) Project Details

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>ROANOKE VALLEY AREA METROPOLITAN PLANNING ORGANIZATION</b>						
STIP ID:	<b>GRT0001</b>	Title: Operating Assistance			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5307		2,791,875	2,147,090	4,240,997	2,147,090	FTA 5307 <b>11,327,052</b>
FTA 5311		354,000	547,000	354,000	354,000	FTA 5311 <b>1,609,000</b>
State		2,407,236	2,407,236	2,407,236	2,407,236	State <b>9,628,944</b>
Local		1,566,000	1,566,000	1,566,000	1,566,000	Local <b>6,264,000</b>
Revenues		2,314,000	2,314,000	2,314,000	2,314,000	Revenues <b>9,256,000</b>
<b>Year Total:</b>		<b>9,433,111</b>	<b>8,981,326</b>	<b>10,882,233</b>	<b>8,788,326</b>	<b>Total Funds: 38,084,996</b>
Description:	Adjustment 6/2/21: Increase FY22 FTA 5311 funding \$193,000. Adjustment 7/27/22: Increase FY22 funding \$1,284K (increase FTA 5311 \$642K, Local \$684K). Note: This money is no longer planned to be obligated in FFY23, rather in FFY22. Adjustment 9/30/22 #1: Increase FY21 FTA 5307 funding by \$644,785; and increase FY23 FTA 5307 funding by \$1,448,218, which reflects the actual FTA apportionments. Adjustment 1/12/23: Increase FY23 FTA 5307 by \$645,689.					
STIP ID:	<b>GRT0002</b>	Title: Preventative Maintenance			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5307		-	-	1,413,665	715,697	FTA 5307 <b>2,129,362</b>
State		-	-	-	-	State <b>-</b>
Local		-	-	353,417	178,924	Local <b>532,341</b>
<b>Year Total:</b>		<b>-</b>	<b>-</b>	<b>1,767,082</b>	<b>894,621</b>	<b>Total Funds: 2,661,703</b>
Description:	Adjustment 1/12/23: Decrease \$715,697 in FTA 5307 and \$178,924 in Local in FY21; Decrease \$715,697 in FTA 5307 and \$178,924 in Local in FY22; Increase \$697,968 in FTA 5307 and \$174,493 in Local in FY23.					
STIP ID:	<b>GRT0003</b>	Title: Transit Enhancements			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5307						FTA 5307 <b>-</b>
State						State <b>-</b>
Local						Local <b>-</b>
<b>Year Total:</b>		<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>Total Funds: -</b>
Description:						
STIP ID:	<b>GRT0004</b>	Title: Replacement Bus			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339				97,200		FTA 5339 <b>97,200</b>
FTA 5307						FTA 5307 <b>-</b>
STBG			4,768,121			STBG <b>4,768,121</b>
State			1,192,031	248,400		State <b>1,440,431</b>
Local				14,400		Local <b>14,400</b>
<b>Year Total:</b>		<b>-</b>	<b>5,960,152</b>	<b>360,000</b>	<b>-</b>	<b>Total Funds: 6,320,152</b>
Description:	Adjustment 10/26/21: decrease STBG and State funding by \$1,564,351 and \$391,088 (respectively) in FY21; and increase STBG and State funding by \$1,564,351 and \$391,088 (respectively) in FY22. Adjustment 7/27/22: decrease STBG funding by \$1,639,419 in FY23; increase STBG funding by \$1,639,419 in FY22; decrease State funding by \$409,855 in FY23; and increase State funding by \$409,855 in FY22. Note: This money is no longer planned to be obligated in FFY23, rather in FFY22.					
STIP ID:	<b>GRT0005</b>	Title: Expansion Bus			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339				353,100		FTA 5339 <b>353,100</b>
State			800,000	900,000		State <b>1,700,000</b>
Local						Local <b>-</b>
<b>Year Total:</b>		<b>-</b>	<b>800,000</b>	<b>1,253,100</b>	<b>-</b>	<b>Total Funds: 2,053,100</b>
Description:	Adjustment 9/14/22: increase FTA 5339 by \$353,100 in FY23.					
STIP ID:	<b>GRT0006</b>	Title: Support Vehicles			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339			72,000	80,000	48,000	FTA 5339 <b>200,000</b>
Flexible STP						Flexible STP <b>-</b>
State			9,000	10,000	6,000	State <b>25,000</b>
Local			9,000	10,000	6,000	Local <b>25,000</b>
<b>Year Total:</b>		<b>-</b>	<b>90,000</b>	<b>100,000</b>	<b>60,000</b>	<b>Total Funds: 250,000</b>
Description:						
STIP ID:	<b>GRT0007</b>	Title: Bus Stop Enhancements			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339			40,500	40,500	40,500	FTA 5339 <b>121,500</b>
State			103,500	103,500	103,500	State <b>310,500</b>
Local			6,000	6,000	6,000	Local <b>18,000</b>
<b>Year Total:</b>		<b>-</b>	<b>150,000</b>	<b>150,000</b>	<b>150,000</b>	<b>Total Funds: 450,000</b>
Description:	e.g. Bus shelters/benches					

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>GRT0008</b>	Title: Rehab/Renovation of Admin/Maint Building			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5307		104,296			270,000	FTA 5307 374,296
State		140,070			690,000	State 830,070
Local		8,120			40,000	Local 48,120
<b>Year Total:</b>	-	<b>252,486</b>	-	-	<b>1,000,000</b>	<b>Total Funds: 1,252,486</b>
Description:	Adjustment 6/11/21: Increase FTA 5307 by \$49,486 in FY21 for HVAC system upgrades.					
STIP ID:	<b>GRT0009</b>	Title: Shop Equipment			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339			5,400	5,400	5,400	FTA 5339 16,200
State			13,800	13,800	13,800	State 41,400
Local			800	800	800	Local 2,400
<b>Year Total:</b>	-	-	<b>20,000</b>	<b>20,000</b>	<b>20,000</b>	<b>Total Funds: 60,000</b>
Description:						
STIP ID:	<b>GRT0010</b>	Title: ADP Software			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339		4,131	6,075	2,700		FTA 5339 12,906
State		10,557	15,525	6,900		State 32,982
Local		612	900	400		Local 1,912
<b>Year Total:</b>	-	<b>15,300</b>	<b>22,500</b>	<b>10,000</b>	-	<b>Total Funds: 47,800</b>
Description:						
STIP ID:	<b>GRT0011</b>	Title: ADP Hardware			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339		24,214	20,250			FTA 5339 44,464
State		61,880	51,750			State 113,630
Local		3,587	3,000			Local 6,587
<b>Year Total:</b>	-	<b>89,681</b>	<b>75,000</b>	-	-	<b>Total Funds: 164,681</b>
Description:						
STIP ID:	<b>GRT0012</b>	Title: Security			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339			17,585			FTA 5339 17,585
State						State -
Local			4,397			Local 4,397
<b>Year Total:</b>	-	-	<b>21,982</b>	-	-	<b>Total Funds: 21,982</b>
Description:	Adjustment 2/3/22: Increase FTA 5339 by \$17,585 and Local by \$4,397 in FY22 for purchase of onboard cameras and screens.					
STIP ID:	<b>GRT0013</b>	Title: New Downtown Roanoke Multitmodal Facility - Engineering, Construction, Equipment			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339		-				FTA 5339 -
Flexible STP		3,220,000				Flexible STP 3,220,000
State		7,820,000				State 7,820,000
Local		460,000				Local 460,000
<b>Year Total:</b>	-	<b>11,500,000</b>	-	-	-	<b>Total Funds: 11,500,000</b>
Description:	Adjustment 6/8/21: Decrease FTA 5339 by \$3.22 Million and add Flexible STP as new funding source. Decrease FTA 5339 by \$5.52 Million and add to State, and decrease FTA 5339 by \$460K and add to Local.					
STIP ID:	<b>GRT0014</b>	Title: Rehabilitate/Rebuild Buses			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5311						FTA 5311 -
State						State -
Local						Local -
<b>Year Total:</b>	-	-	-	-	-	<b>Total Funds: -</b>
Description:						
STIP ID:	<b>GRT0015</b>	Title: Fare Collection Equipment			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339		77,169				FTA 5339 77,169
State		197,209				State 197,209
Local		11,432				Local 11,432
<b>Year Total:</b>	-	<b>285,000</b>	-	-	-	<b>Total Funds: 285,810</b>
Description:						
STIP ID:	<b>GRT0016</b>	Title: Automatic Vehicle Locator			Recipient: <b>Greater Roanoke Transit Company</b>	
FTA 5339			300,000			FTA 5339 300,000
State			1,700,000			State 1,700,000
Local						Local -
<b>Year Total:</b>	-	-	<b>2,000,000</b>	-	-	<b>Total Funds: 2,000,000</b>
Description:	Adjustment 12/16/21: Decrease State by \$1.7 million in FY21 and increase by \$1.7 million in FY22. Increase FTA 5339 by \$300K in FY22.					

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>GRT0017</b>	<b>Title: Miscellaneous Office</b>			<b>Recipient: Greater Roanoke Transit Company</b>	
FTA 5339			10,800			FTA 5339 10,800
State			27,600			State 27,600
Local			1,600			Local 1,600
<b>Year Total:</b>	-	-	<b>40,000</b>	-	-	<b>Total Funds: 40,000</b>
Description:						
<b>STIP ID:</b>	<b>GRT0018</b>	<b>Title: Radio Communication System</b>			<b>Recipient: Greater Roanoke Transit Company</b>	
Flexible STP		140,000				Flexible STP 140,000
State		340,000				State 340,000
Local		20,000				Local 20,000
<b>Year Total:</b>	-	<b>500,000</b>	-	-	-	<b>Total Funds: 500,000</b>
Description:	Adjustment 6/4/21: decrease \$260K from Flexible STP and add to State.					
<b>STIP ID:</b>	<b>GRT0019</b>	<b>Title: Real Time Passenger Information System</b>			<b>Recipient: Greater Roanoke Transit Company</b>	
STBG (Federal)				320,000		STBG (Federal) 320,000
State				80,000		State 80,000
Local						Local -
<b>Year Total:</b>	-	-	-	<b>400,000</b>	-	<b>Total Funds: 400,000</b>
Description:	Adjustment 9/30/22: decrease STBG (Federal) by \$400,000 in FY21, increase STBG (Federal) by \$320,000 in FY23 and increase State in FY23 by \$80,000.					

### 7.2 Unified Human Services Transportation Systems, Inc. (RADAR) Project Details

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>RAD0001</b>	<b>Title: Operating Assistance</b>			<b>Recipient: RADAR - UHSTS, Inc. Roanoke County</b>	
FTA 5310		84,000		115,316	115,316	FTA 5310 314,631
State		67,000		92,252	92,252	State 251,505
Local		17,000		11,063	11,063	Local 39,126
Revenues				12,000	12,000	Revenues 36,000
<b>Year Total:</b>	-	<b>168,000</b>	-	<b>230,631</b>	<b>230,631</b>	<b>Total Funds: 641,262</b>
Description:	Adjustment 10/5/20: decrease FY21 funding \$62K (decrease FTA 5310 \$31K, decrease State \$25K, increase local \$6K, decrease revenues \$12K). FY22 funding \$142K decrease (decrease FTA 5310 \$49K, decrease State \$92K, and decrease Local \$11K. Adjustment: 6/24/22: decrease \$78K in FY22 (FTA 5310 \$66K, Revenues \$12K).					
<b>STIP ID:</b>	<b>RAD0002</b>	<b>Title: Paratransit Vehicles</b>			<b>Recipient: RADAR - UHSTS, Inc. Roanoke County</b>	
FTA 5310		104,000	130,000	128,000	128,000	FTA 5310 490,000
State						State -
Local		26,000		32,000	32,000	Local 90,000
<b>Year Total:</b>	-	<b>130,000</b>	<b>130,000</b>	<b>160,000</b>	<b>160,000</b>	<b>Total Funds: 580,000</b>
Description:	Adjustment 10/5/20: Increase FY21 funding \$15K (increase FTA 5310 \$12K, Local \$3K). Adjustment 3/12/21: decrease FY22 funding \$30K (increase FTA 5310 \$2K, decrease Local \$32K).					

### 7.3 Lutheran Family Services of Virginia Project Details

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>LFS0001</b>	<b>Title: Paratransit Vehicles</b>			<b>Recipient: Lutheran Family Services</b>	
FTA 5310		48,000				FTA 5310 48,000
State						State -
Local		12,000				Local 12,000
<b>Year Total:</b>	-	<b>60,000</b>	-	-	-	<b>Total Funds: 60,000</b>
Description:	Adjustment 10/5/20: Increase FY21 funding \$15K (increase FTA 5310 \$12K, Local \$3K).					

### 7.4 County of Roanoke Project Details

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>ROA0001</b>	<b>Title: Operating Assistance</b>			<b>Recipient: County of Roanoke</b>	
FTA 5310			119,008			FTA 5310 119,008
State						State -
Local						Local -
<b>Year Total:</b>	-	-	<b>119,008</b>	-	-	<b>Total Funds: 119,008</b>
Description:	Amendment 6/24/21: Add new project and FTA 5310 funding \$119K for FY22.					

STIP ID:	ROA0002	Title: Capital Assistance	Recipient: County of Roanoke				
FTA 5310			230,000	240,000	240,000	FTA 5310	710,000
State			46,000	48,000	48,000	State	142,000
Local			12,000	12,000	12,000	Local	36,000
<b>Year Total:</b>	-	-	<b>288,000</b>	<b>300,000</b>	<b>300,000</b>	<b>Total Funds:</b>	<b>888,000</b>
Description:	Amendment 5/26/22: Add new project and add \$288K funding for FY22 (add FTA 5310 \$230K, State \$46K, Local \$12K) & \$300K funding for FY23 and FY24 (add FTA 5310 \$240K, State \$48K, Local \$12K).						

## 7.4 Transit Funding Summaries

Greater Roanoke Transit Company		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024	
FTA 5307		2,896,171	2,147,090	5,654,662	3,132,787	FTA 5307	13,830,710
FTA 5309		-	-	-	-	FTA 5309	-
FTA 5310		-	-	-	-	FTA 5310	-
FTA 5311		354,000	2,147,090	4,240,997	2,147,090	FTA 5311	8,889,177
FTA 5314		-	-	-	-	FTA 5314	-
FTA 5337		-	-	-	-	FTA 5337	-
FTA 5339		105,514	472,610	578,900	93,900	FTA 5339	1,250,924
FTA ADTAP		-	-	-	-	FTA ADTAP	-
FTA DPF		-	-	-	-	FTA DPF	-
FTA TIGER		-	-	-	-	FTA TIGER	-
FBD		-	-	-	-	FBD	-
Flexible STP		3,360,000	-	-	-	Flexible STP	3,360,000
STBG (Federal)		-	4,768,121	320,000	-	STBG (Federal)	5,088,121
FHWA TAP		-	-	-	-	FHWA TAP	-
Other Federal		-	-	-	-	Other Federal	-
State		10,976,952	6,320,442	3,769,836	3,220,536	State	24,287,766
Local		2,069,751	1,591,697	1,951,017	1,797,724	Local	7,410,189
Revenues		2,314,000	2,314,000	2,314,000	2,314,000	Revenues	9,256,000
<b>Totals</b>	-	<b>22,076,388</b>	<b>19,761,050</b>	<b>18,829,412</b>	<b>12,706,037</b>		<b>73,372,887</b>

RADAR - UHSTS, Inc. Roanoke County		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024	
FTA 5307		-	-	-	-	FTA 5307	-
FTA 5309		-	-	-	-	FTA 5309	-
FTA 5310		188,000	130,000	243,316	243,316	FTA 5310	804,631
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 (Federal)		-	-	-	-	STBG (Federal)	-
STBG (State)		-	-	-	-	STBG (State)	-
FHWA TAP		-	-	-	-	FHWA TAP	-
Other Federal		-	-	-	-	Other Federal	-
State		67,000	-	92,252	92,252	State	251,505
Local		43,000	-	43,063	43,063	Local	129,126
Revenues		-	-	12,000	12,000	Revenues	24,000
<b>Totals</b>	-	<b>298,000</b>	<b>130,000</b>	<b>390,631</b>	<b>390,631</b>		<b>1,209,262</b>



Lutheran Family Services of Virginia		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024	
FTA 5307		-	-	-	-	FTA 5307	-
FTA 5309		-	-	-	-	FTA 5309	-
FTA 5310		48,000	-	-	-	FTA 5310	48,000
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 (Federal)		-	-	-	-	STBG (Federal)	-
STBG (State)		-	-	-	-	STBG (State)	-
FHWA TAP		-	-	-	-	FHWA TAP	-
Other Federal		-	-	-	-	Other Federal	-
State		-	-	-	-	State	-
Local		12,000	-	-	-	Local	12,000
Revenues		-	-	-	-	Revenues	-
<i>Totals</i>	-	60,000	-	-	-		60,000

County of Roanoke		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024	
FTA 5307		-	-	-	-	FTA 5307	-
FTA 5309		-	-	-	-	FTA 5309	-
FTA 5310		-	349,008	240,000	240,000	FTA 5310	829,008
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 (Federal)		-	-	-	-	STBG (Federal)	-
STBG (State)		-	-	-	-	STBG (State)	-
FHWA TAP		-	-	-	-	FHWA TAP	-
Other Federal		-	-	-	-	Other Federal	-
State		-	46,000	48,000	48,000	State	142,000
Local		-	12,000	12,000	12,000	Local	36,000
Revenues		-	-	-	-	Revenues	-
<i>Totals</i>	-	-	407,008	300,000	300,000		1,007,008

Roanoke Valley TPO		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024	
FTA 5307		2,896,171	2,147,090	5,654,662	3,132,787	FTA 5307	13,830,710
FTA 5309		-	-	-	-	FTA 5309	-
FTA 5310		236,000	479,008	483,316	483,316	FTA 5310	1,681,639
FTA 5311		354,000	2,147,090	4,240,997	2,147,090	FTA 5311	8,889,177
FTA 5314		-	-	-	-	FTA 5314	-
FTA 5337		-	-	-	-	FTA 5337	-
FTA 5339		105,514	472,610	578,900	93,900	FTA 5339	1,250,924
FTA ADTAP		-	-	-	-	FTA ADTAP	-
FTA DPF		-	-	-	-	FTA DPF	-
FTA TIGER		-	-	-	-	FTA TIGER	-
FBD		-	-	-	-	FBD	-
Flexible STP		3,360,000	-	-	-	Flexible STP	3,360,000
STBG (Federal)		-	4,768,121	320,000	-	STBG (Federal)	5,088,121
FHWA TAP		-	-	-	-	FHWA TAP	-
Other Federal		-	-	-	-	Other Federal	-
State		11,043,952	6,366,442	3,910,088	3,360,788	State	24,681,271
Local		2,124,751	1,603,697	2,006,080	1,852,787	Local	7,587,315
Revenues		2,314,000	2,314,000	2,326,000	2,326,000	Revenues	9,280,000
<i>Totals</i>	-	22,434,388	20,298,058	19,520,043	13,396,668		75,649,157

## **8.0 Other Projects**

This section summarizes other transportation projects, of regional interest, and as requested by the project sponsor, that fall into categories different from the Roadway, Bicycle, Pedestrian, and Transit section and which may or may not receive Federal funding.

### **8.1 SMART SCALE Projects**

The SMART SCALE project prioritization process was developed by the Office of the Virginia Secretary of Transportation and enacted by the General Assembly in 2014. The following projects were successful in the SMART SCALE process but only state funds (no federal funds) were awarded to fulfill the request.

<b>Locality</b>	<b>System</b>	<b>UPC</b>	<b>Project Name</b>	<b>Description</b>	<b>Street/Route</b>	<b>Estimate</b>
Roanoke County	Primary	108904	Route 311 / Route 419 Int. Safety & Congestion Imp	From: Intersection of Rte. 311 & Rte. 419 To: Int. of Rte. 311 & Rte. 419 (0.1000 MI) (2017 HB2/SMART SCALE project)	Catawba Valley Dr./Rte. 311	\$3,775,000
Roanoke County	Primary	108882	West Main Street Sidewalk Installation	From: West Salem City Limit To: 0.018 Mi. W. Int. Rte. 830 (Technology Drive) (2018 SMART SCALE project)	U.S. 11	\$1,037,000
Salem	Urban	108899	Multimodal Improvements Along Boulevard	From McDivitt Rd. to Salem city limit (0.75 mi.) (2017 HB2/SMART SCALE project)	Boulevard	\$772,000
Botetourt County	Primary	119452	US460 / Laymantown Road Intersection Improvement	Add a turn lane from US 460 onto Laymantown Rd. to increase capacity and safety of the intersection.	Int. of U.S. 460 & Laymantown Rd.	\$7,623,000

Locality	System	UPC	Project Name	Description	Street/Route	Estimate
Salem	Primary	119475	Downtown Salem - College Avenue Improvements	Extends streetscape improvements along College Ave. (U.S.11) from Calhoun St. to the south side of 2nd St. Improve turn movements at College Avenue and Thompson Memorial.	College Ave. (U.S. 11) from Calhoun to 2 <sup>nd</sup> Sts.	\$3,017,000
Vinton	Urban	119472	Walnut Avenue Corridor Improvements Phase 3 Project	The project will provide curb and gutter, sidewalks, crosswalks, designated bike lanes, pedestrian lighting and ADA ramps.	Walnut Avenue	\$7,400,000
Roanoke	Primary	119459	Route 460 (Orange Ave) Improvements Seibel Dr/ Hickory Woods	Modifications to the geometry of existing signalized intersection on U.S. 460 at Granby St. and turn restrictions and closure of adjacent median openings to best maintain/preserve capacity along the corridor.	Rte. 460 (Orange Ave.) at Granby St.	\$437,000

Locality	System	UPC	Project Name	Description	Street/Route	Estimate
Salem	Primary	119473	Downtown Salem - Market Street Intersection Improvements	Adds turn lanes, shortens pedestrian crossings, provides bike and ped amenities, adds bump outs, landscaping, and improved lighting on Main Street - from west side of White Oak Alley to the east side of Market Street.	Main St. from W. side of White Oak Alley to Market St.	\$2,312,000
Salem	Primary	T24986	Roanoke River Greenway Golden Spike	Constructs a multiuse trail, linking the existing Roanoke River Greenway at Rotary Park (1.5miles) with the existing section of Roanoke River Greenway at Cook Dr. which connects to many additional miles of the greenway in the City of Roanoke.	Roanoke River Greenway	\$4,521,000
Salem	Primary	119474	Apperson Dr. (Rte. 11)/ and Orchard Intersection Improvements	Improve turn movements, increase safety, and reduce delay at the intersection of Apperson Dr. (Rte. 11) and Orchard Dr. by installing a traffic signal, constructing an eastbound right turn lane along Apperson Dr., restriping Apperson		\$2,388,000

				Dr. to include both eastbound and westbound left turn lanes, and restriping northbound Orchard Dr. to provide a shared left-through lane and a dedicated right turn lane.		
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## **APPENDIX A - Grouped Projects**

## Roanoke MPO Project Groupings

GROUPING		Construction : Bridge Rehabilitation/Replacement/Reconstruction					
ROUTE/STREET						TOTAL COST	\$65,829,909
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
RW	Federal - BR	\$18,750	\$75,000	\$0	\$0	\$0	
CN	Federal - BR	\$299,523	\$0	\$1,198,091	\$0	\$0	
	Federal - STP/STBG	\$3,091	\$0	\$12,364	\$0	\$0	
	Federal - TAP/F	\$83,129	\$0	\$332,514	\$0	\$0	
CN TOTAL		\$385,742	\$0	\$1,542,969	\$0	\$0	
CN AC	Federal - AC	\$0	\$0	\$4,775	\$0	\$0	

GROUPING		Construction : Federal Lands Highway					
ROUTE/STREET						TOTAL COST	\$1,733,750
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
		\$0	\$0	\$0	\$0	\$0	

GROUPING		Construction : Rail					
ROUTE/STREET						TOTAL COST	\$1,500,000
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
		\$0	\$0	\$0	\$0	\$0	

GROUPING		Construction : Safety/ITS/Operational Improvements					
ROUTE/STREET						TOTAL COST	\$827,704,242
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
PE	Federal - AC CONVERSION	\$381,222	\$1,000,000	\$1,000,000	\$0	\$636,000	
	Federal - HSIP	\$127,175	\$25,700	\$275,000	\$0	\$208,000	
	Federal - NHS/NHPP	\$43,127	\$0	\$0	\$0	\$172,506	
	Federal - RSTP	\$60,000	\$0	\$0	\$240,000	\$0	
PE TOTAL		\$611,524	\$1,025,700	\$1,275,000	\$240,000	\$1,016,506	
PE AC	Federal - AC	\$234,000	\$0	\$300,000	\$636,000	\$0	
RW	Federal - AC CONVERSION	\$158,272	\$0	\$478,405	\$0	\$633,087	
	Federal - HSIP	\$81,250	\$0	\$0	\$325,000	\$0	
	Federal - RSTP	\$741,502	\$0	\$319,095	\$2,646,913	\$0	
RW TOTAL		\$981,024	\$0	\$797,500	\$2,971,913	\$633,087	
RW AC	Federal - AC	\$158,272	\$0	\$0	\$633,087	\$0	
CN	Federal - AC CONVERSION	\$1,114,839	\$147,694	\$3,028,292	\$2,381,181	\$383,000	
	Federal - HSIP	\$667,654	\$1,358,600	\$4,488,295	\$161,993	\$0	
	Federal - RSTP	\$481,578	\$0	\$0	\$1,359,397	\$566,913	
	Federal - STP/STBG	\$31,250	\$0	\$0	\$0	\$125,000	
CN TOTAL		\$2,295,321	\$1,506,294	\$7,516,587	\$3,902,571	\$1,074,913	
CN AC	Federal - AC	\$4,447,162	\$1,887,860	\$979,984	\$919,715	\$14,001,087	



GROUPING		Construction : Transportation Enhancement/Byway/Non-Traditional					
ROUTE/STREET						TOTAL COST	\$52,973,533
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
PE	Federal - AC CONVERSION	\$55,992	\$98,966	\$0	\$125,000	\$0	
	Federal - STP/STBG	\$24,642	\$23,567	\$75,000	\$0	\$0	
PE TOTAL		\$80,633	\$122,533	\$75,000	\$125,000	\$0	
PE AC	Federal - AC	\$31,250	\$0	\$125,000	\$0	\$0	
RW	Federal - NHS/NHPP	\$37,500	\$0	\$0	\$150,000	\$0	
	Federal - RSTP	\$250	\$1,000	\$0	\$0	\$0	
	Federal - STP/STBG	\$175,381	\$155,523	\$0	\$546,000	\$0	
RW TOTAL		\$213,131	\$156,523	\$0	\$696,000	\$0	
CN	Federal - AC CONVERSION	\$96,913	\$0	\$365,981	\$21,672	\$0	
	Federal - NHS/NHPP	\$760,748	\$1,663,690	\$0	\$0	\$1,379,301	
	Federal - RSTP	\$500,338	\$1,302,731	\$698,620	\$0	\$0	
	Federal - STP/STBG	\$836,530	\$2,345,977	\$0	\$0	\$1,000,142	
	Federal - TAP/F	\$309,633	\$877,927	\$360,606	\$0	\$0	
CN TOTAL		\$2,504,162	\$6,190,325	\$1,425,207	\$21,672	\$2,379,443	
CN AC	Federal - AC	\$1,505,662	\$5,823,277	\$842,384	\$0	\$996,867	

GROUPING		Maintenance : Preventive Maintenance and System Preservation					
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET						TOTAL COST	\$85,964,101
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
CN	Federal - NHFP	\$0	\$2,500,000	\$2,500,000	\$0	\$0	
	Federal - NHS/NHPP	\$0	\$4,399,286	\$4,399,286	\$4,399,286	\$4,399,286	
	Federal - STP/STBG	\$0	\$10,437,163	\$12,855,974	\$17,362,178	\$22,711,642	
CN TOTAL		\$0	\$17,336,449	\$19,755,260	\$21,761,464	\$27,110,928	

GROUPING		Maintenance : Preventive Maintenance for Bridges					
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET						TOTAL COST	\$45,370,193
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
CN	Federal - BR	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000	
	Federal - NHS/NHPP	\$0	\$2,714,026	\$1,000,000	\$1,000,000	\$1,000,000	
	Federal - STP/STBG	\$0	\$13,711,369	\$8,692,278	\$7,776,634	\$5,475,886	
CN TOTAL		\$0	\$17,425,395	\$10,692,278	\$9,776,634	\$7,475,886	

GROUPING		Maintenance : Traffic and Safety Operations					
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET						TOTAL COST	\$15,382,423
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
CN	Federal - STP/STBG	\$0	\$3,095,775	\$4,520,625	\$4,882,756	\$2,883,267	

GROUPING		Transit : Amenities					
ROUTE/STREET						TOTAL COST	\$1,904,000
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
		\$0	\$0	\$0	\$0	\$0	

GROUPING		Transit : Vehicles				
ROUTE/STREET					TOTAL COST	\$5,960,149
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - RSTP	\$1,192,030	\$1,564,351	\$1,564,351	\$1,639,419	\$0

## Appendix A Projects by Grouping

### Roanoke MPO

#### Construction : Bridge Rehabilitation/Replacement/Reconstruction

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T19000	Salem District-wide BRIDGE REHABILITATION/REPLACEMENT	0000	\$0
Primary	77300	Botetourt County RTE. 11 OVER TINKER CREEK (STR 03166) - BRIDGE REPLACEMENT FROM: 0.02 Mile North of Route 1039 TO: 0.13 Mile North of Route 1039 (0.1100 MI)	0011	\$5,018,555
Primary	77302	Botetourt County RTE. 11 OVER TINKER CREEK (STR. 3167) - BRIDGE REPLACEMENT FROM: Route 838 TO: 0.09 Mile North of Route 838 (0.0900 MI)	0011	\$3,803,513
Primary	77305	Roanoke County RTE. 116 OVER BACK CREEK (STR. 14928) - BRIDGE REPLACEMENT FROM: 0.293 MILE SOUTH ROUTE 945 TO: 0.564 MILE SOUTH ROUTE 945 (0.3100 MI)	0116	\$7,171,589
Primary	82193	Roanoke County RTE. 220 OVER BACK CREEK (STR. 14935) - BRIDGE REPLACEMENT FROM: 0.199 MI SOUTH OF ROUTE 657 TO: 0.311 MI NORTH OF ROUTE 657 (0.5310 MI)	0220	\$18,885,090
Primary	94726	Roanoke County RTE. 221 OVER MARTINS CREEK (STR. 14945) - BRIDGE REPLACEMENT FROM: 0.03 mi S. Int Rte 696 TO: 0.07 mi N. Int. Rte 696	0221	\$3,635,790
Secondary	62650	Bedford County #SGR RTE. 634 OVER ROANOKE RIVER (STR. 02718) - BRIDGE REPLACEMENT FROM: 0.19 Mi. West of Franklin County Line TO: 0.12 Mi. East of Bedford County Line (0.3100 MI)	HARDY FORD BRIDGE (0634)	\$12,982,098
Secondary	52803	Botetourt County RTE 779 - INT IMPROVEMENTS & BRIDGE OVER AMSTERDAM CREEK FROM: 0.169 MILE EAST ROUTE 672 EAST TO: 0.236 MILE WEST ROUTE 672 EAST (0.4213 MI)	CATAWBA RD (0779)	\$7,857,623
Urban	110574	Salem #SGR - Apperson Drive Bridge Replacement FROM: East Riverside Drive TO: Route 419 - Electric Road (0.0900 MI)	APPERSON DRIVE (0011)	\$3,328,203
Urban	76677	Vinton replace bridge and approaches over Glade Creek FROM: 0.098 Miles West of 5th St. TO: 0.052 Miles East of 5th St. (0.1500 MI)	WALNUT AVENUE (U000)	\$3,147,448
<b>Construction : Bridge Rehabilitation/Replacement/Reconstruction Total</b>				<b>\$65,829,909</b>

#### Construction : Federal Lands Highway

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Enhancement	110155	Roanoke County Roanoke River Greenway - Blue Ridge Pkwy to Explore Park FROM: Blue Ridge Parkway TO: Explore Park	FL16	\$1,733,750
Miscellaneous	T19001	Salem District-wide FEDERAL LANDS HIGHWAY	0000	\$0
<b>Construction : Federal Lands Highway Total</b>				<b>\$1,733,750</b>

**Roanoke MPO**

**Construction : Rail**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T18998	Salem District-wide	0000		\$0
		CN: RAIL			
Miscellaneous	112018	Statewide	HIGHWAY-RAIL SAFETY (0000)		\$700,000
		Highway-Rail Safety Inventory Section 130 PE Only			
		FROM: Statewide TO: Statewide			
Miscellaneous	112213	Statewide	HIGHWAY RAIL SAFETY (0000)		\$300,000
		Highway-Rail Section 130 Pre Scoping PE Only			
		FROM: Statewide TO: Statewide			
Miscellaneous	112497	Statewide	VARIOUS (0000)		\$500,000
		ENVIRONMENTAL EQ429 FORM PROCESSING CHARGES			
		FROM: FOR HIGHWAY/RAIL SAFETY PROJECTS WITHOUT PE NUMBERS TO: ASSIGNED			
Construction : Rail Total					\$1,500,000

**Construction : Safety/ITS/Operational Improvements**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Interstate	116202	Botetourt County	I-81 (0081)		\$10,042,040
		#I-81 CIP - Extend lanes at Troutville Safety Rest Area			
		FROM: .3 MI N of Safety Rest Area TO: 1 MI S of Safety Rest Area (1.3000 MI)			
Interstate	99542	Roanoke County	EDGEBROOK ROAD (0081)		\$3,728,154
		I-81 Exit 140 Park & Ride Expansion & Construct NewSidewalk			
		FROM: Int Rte 1128 and Rte 1150 TO: 0.17 Mi. West of Int Rte 1128 and 1150 (0.1700 MI)			
Interstate	108906	Roanoke County	I-81 (0081)		\$29,830,716
		#HB2.FY17 I-81 Auxiliary Lanes from Exit 141 to 143			
		FROM: 0.009 Mi. East of Int. N. Electric Rd TO: 0.026 Mi. West of Int. SBL I-81 Entrance Ramp (2.0000 MI)			
Interstate	111373	Roanoke County	I-81 (0081)		\$32,168,111
		#SMART18 - I-81 SB Auxiliary Lane from Exit 143 to 141			
		FROM: 0.009 Mi. East of Int. N. Electric Rd TO: 0.026 Mi. West of Int. SBL I-81 Entrance Ramp (2.0000 MI)			
Interstate	113173	Roanoke County	0081		\$1,720,000
		I-81 Exit 137 SB Safety Improvements			
		FROM: Beginning of I-81 Exit 137 SB Off-Ramp TO: End of I-81 Exit 137 SB Off-Ramp			
Interstate	115937	Roanoke County	I-81 (0081)		\$117,871,895
		#I-81 CIP -- MM139 to MM141 adding lane in each direction			
		FROM: 0.0 Mi from Red Lane Overpass TO: 0.3 Mi North of Electric Rd (2.4000 MI)			
Interstate	116201	Roanoke County	I-81 (0081)		\$322,157,080
		#I-81 CIP - MM 144 to Exit 150 adding NB and SB lanes			
		FROM: MM 144 TO: MM 151 (7.2000 MI)			
Interstate	116203	Roanoke County	I-81 (0081)		\$174,608,365
		#I-81 - MM136 to MM139 adding lane in each direction			
		FROM: Exit 137 Interchange TO: .0 MI from Red LN overpass ( )			
Interstate	116039	Statewide	0081		\$12,500,000
		I-81 DMS Installation			
		FROM: Various TO: Various			

**Roanoke MPO****Construction : Safety/ITS/Operational Improvements**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Interstate	113570	Roanoke	I-581 (0581)		\$150,000
			I-581 Exit 2 Interchange Study		
			FROM: I-581 TO: Peters Creek Road		
Interstate	92558	Montgomery County	NORTH FORK ROAD (0603)		\$15,831,822
			RTE. 603 - IRONTO/ELLISTON CONNECTOR		
			FROM: I-81 Exit 128 TO: Intersection Rte. 11/460 (2.0110 MI)		
Interstate	T21476	Salem District-wide	VARIOUS (9999)		\$500,000
			Interstate & Primary Cable Guardrail Install-Districtwide		
			FROM: Variuos TO: Various		
Interstate	108991	Salem District-wide	9999		\$2,000,000
			Systemic Roadway Departure Treatments		
			FROM: VARIOUS TO: VARIOUS		
Interstate	109556	Salem District-wide	9999		\$0
			Safety Prescoping - Salem		
Interstate	107802	Statewide	9999		\$918,907
			Incident Management Emergency Evacuation and Detour Plans		
			FROM: Various TO: Various		
Interstate	110551	Statewide	9999		\$362,560
			Traffic Video Expansion - Statewide		
			FROM: Various TO: Various		
Interstate	110912	Statewide	9999		\$813,019
			Statewide Truck Parking Management System - Phase 1		
			FROM: Various TO: Various		
Interstate	111613	Statewide	9999		\$1,807,000
			Statewide Truck Parking Management System - Phase 2		
			FROM: Various TO: Various		
Interstate	111892	Statewide	9999		\$0
			ATMS - Phase 1, 2, 3, 4		
			FROM: Various TO: Various		
Interstate	114400	Statewide	9999		\$300,000
			Drone Technology Project		
			FROM: Various TO: Various		
Interstate	115854	Statewide	9999		\$1,250,000
			ITTF FY20 Arterial Operations Program Dashboard		
			FROM: n/a TO: n/a		
Interstate	115855	Statewide	9999		\$4,700,000
			ITTF FY20 High Speed Communications		
			FROM: Various TO: Various		
Miscellaneous	T18999	Salem District-wide	0000		\$0
			CN: SAFETY/ITS/OPERATIONAL/IMPROVEMENTS		
Miscellaneous	105481	Statewide	0000		\$1,400,000
			Impement iPeMS (Iteris Performance Measrement System)		
			FROM: various TO: various		

## Roanoke MPO

### Construction : Safety/ITS/Operational Improvements

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	114193	Statewide	VARIOUS (9999)		\$0
			PEDESTRIAN IMPROVEMENTS AT PRIORITY CORRIDOR STATEWIDE		
			FROM: VARIOUS TO: VARIOUS		
Primary	107053	Bedford County	STEWARTSVILLE ROAD (0024)		\$1,325,556
			Rt. 24 Bedford County - Safety Improvements		
			FROM: 0.152 Miles West of Route 886 TO: 0.156 Miles West of Route 635 South ( Spradlin Road ) (2.3400 MI)		
Primary	108905	Roanoke County	PLANTATION ROAD (0115)		\$1,269,396
			#HB2.FY17 Lila Dr / Rte 115 Intersection Safety Improvements		
			FROM: 0.025 MI N. Intersection of Lila Drive & Plantation Road TO: 0.051 MI S. Intersection of Lila Drive & Plantation Road (0.1000 MI)		
Primary	114638	Bedford County	0122		\$66,505
			Install Flashing Beacons on Intersection Warning Signs		
			FROM: Route 644 TO: Route 644		
Primary	115457	Botetourt County	ROANOKE ROAD (0220)		\$4,551,000
			#SMART20 - Rte 220 and International Parkway Intersection		
			FROM: 0.25 mi N International Parkway TO: 0.25 mi N International Parkway (0.5000 MI)		
Primary	107063	Bedford County	0221		\$2,550,000
			Rt. 221 Bedford Co. - Pedestrian Safety Improvements		
			FROM: 0.17 miles West along Rte. 663 from Int. w/ Rte. 221 TO: Intersection of Rte. 221 and Rte. 1425 (1.8200 MI)		
Primary	107054	Roanoke County	THOMPSON MEMORIAL DRIVE (0311)		\$532,523
			Route 311 - Roanoke County - Pedestrian Safety Improvements		
			FROM: NCL Salem TO: 0.02 Mile North of I-81 SB Ramp (0.0900 MI)		
Primary	111066	Roanoke County	CATAWBA VALLEY DRIVE (0311)		\$2,880,000
			Pedestrian Bridge over Rt. 311 - Roanoke County		
			FROM: Route 864 TO: 0.2 miles North of Route 864		
Primary	107061	Roanoke County	ELECTRIC ROAD (0419)		\$6,568,683
			#HB2.FY17 Rte 419 Safety Improvements at Tanglewood		
			FROM: Route 867 TO: Route 220 (0.5700 MI)		
Primary	111407	Roanoke County	RTE 419 ELECTRIC RD. (0419)		\$660,986
			#SMART18 - Rte 419 & Rte 221 Adaptive Traffic Control		
			FROM: Rte 221 TO: Rte 419		
Primary	115460	Roanoke County	ELECTRIC ROAD (0419)		\$17,505,000
			#SMART20 - Rte 419 & Rte 220 Diverging Diamond Interchange		
			FROM: 0.13 Mi. W. Rte. 220 TO: 0.23 Mi. E.. Rte. 220 (0.4000 MI)		
Primary	108514	Bedford County	BEDFORD BYPASS (0460)		\$1,852,843
			Pave Existing Shoulders and Install Rumble Strips & Signs.		
			FROM: 0.35 Miles West of Route 679 Baldwin Street TO: 1.08 Miles East of Route 714 East Main Street (5.0500 MI)		
Primary	109582	Bedford County	WEST LYNCHBURG - SALEM TURNPIKE (0460)		\$4,510,000
			US 460 Safety Improvements: HSIP		
			FROM: Route 741 (Beale Trail Road / Little Patriot Drive) TO: Route 689 (Johnson School Road) (4.7800 MI)		
Primary	109566	Roanoke	ORANGE AVENUE (0460)		\$1,899
			Orange Avenue/ Blue Hills Signal Upgrade - City of Roanoke		
			FROM: Orange Avenue TO: Blue Hills		

**Roanoke MPO****Construction : Safety/ITS/Operational Improvements**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Primary	109570	Roanoke	ORANGE AVENUE NE (0460)		\$551,533
			Orange Avenue/ Hollins Road Signal Upgrade - City of Roanoke		
			FROM: Int. of US 460 TO: And Route 115		
Primary	107055	Roanoke County	WILLIAMSON ROAD (9999)		\$1,325,400
			Route 11 & 117 Roanoke Co. - Pedestrian Safety Improvements		
			FROM: 0.45 Mile South of Int. of Route 11 & Route 117 TO: Int. of Route 11 & Route 117 (0.4500 MI)		
Primary	T21479	Salem District-wide	VARIOUS (9999)		\$500,000
			Districtwide Rumble Strip Installation-Primary Routes		
			FROM: Various TO: Various		
Primary	T21463	Salem District-wide	9999		\$2,562,984
			Districtwide Systemic Roadway Departure Countermeasures		
			FROM: Various TO: Various		
Primary	107069	Salem District-wide	9999		\$800,000
			Safety Improvements - Yearly HSIP open container funds		
			FROM: Various TO: Various		
Primary	114331	Salem District-wide	VARIOUS (9999)		\$0
			INSTALL ADVANCED SIGNAL CONTROL TECHNOLOGY AND COMMUNICATION		
			FROM: VARIOUS TO: VARIOUS		
Primary	114335	Salem District-wide	VARIOUS (9999)		\$0
			INSTALL HIGH VISIBILITY REFLECTIVE SIGNAL BACKPLATES		
			FROM: VARIOUS TO: VARIOUS		
Secondary	15190	Roanoke County	COTTON HILL RD (0688)		\$5,895,794
			RTE 688 - RECONSTRUCTION		
			FROM: 0.056 MILE SOUTH ROUTE 221 TO: 0.105 MILE SOUTH ROUTE 934 (0.6566 MI)		
Secondary	15187	Roanoke County	MCVITTY ROAD (1662)		\$4,797,813
			RTE 1662 - RECONSTRUCTION & REPLACE BRIDGE OVER MUD LICK CK		
			FROM: INT. OF ROUTE 1663 TO: INT. OF ROUTE 419 (0.4680 MI)		
Secondary	15188	Roanoke County	OLD CAVE SPR LN (1663)		\$3,248,044
			RTE 1663 - RECONSTRUCT; DRAINAGE STRUCT/BRANCH MUD LICK CK		
			FROM: SOUTH INT. ROUTE 221 TO: INT. OF ROUTE 1662 (0.2830 MI)		
Secondary	113144	Roanoke County	STARKEY ROAD (0904)		\$3,258,115
			Starkey Road/Buck Mountain Road Intersection Improvements		
			FROM: 0.07 Mi. West of Int. with Starkey Rd. / Buck Mountain Rd TO: 0.04 Mi. North of Int. with Starkey Rd. / Buck Mountain Rd. (0.1700 MI)		
Urban	111135	Roanoke	9999		\$277,460
			Flashing Yellow Arrow - Various locations - Roanoke City		
			FROM: Various TO: Various		
Urban	111137	Roanoke	9999		\$108,000
			Rectangular Rapid Flashing Beacons - Roanoke City		
			FROM: Various TO: Various		
Urban	113569	Roanoke	AIRPORT ROAD (0000)		\$739,825
			State Road 118 Tunnel Lighting Improvements		
			FROM: Airport Road Tunnel TO: N/A		

**Roanoke MPO****Construction : Safety/ITS/Operational Improvements**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Urban	111360	Roanoke	FRANKLIN ROAD (0220) Franklin Road Sidewalk Improvements- Rt. 220 B- Roanoke City FROM: 3100 Block TO: 220 Franklin Rd Bypass (0.7600 MI)		\$1,011,897
Urban	111370	Roanoke	ORANGE AVENUE (0460) #SMART18 - Hollins Rd & Orange Ave Intersection Improvements FROM: 0.2 Mi West of Int Orange Ave/Hollins Rd TO: Int Hollins Rd/Rhodes Ave (0.2000 MI)		\$4,200,847
Urban	113324	Roanoke	ORANGE AVENUE (0000) Installation of Pedestrian Countdown Signal FROM: Gainsboro Road TO: Burrell Street		\$101,984
Urban	115454	Roanoke	ORANGE AVENUE (0460) #SMART20 - Orange Ave (US 460) Improvements FROM: King Street TO: Blue Hills/Mexico Way (0.6000 MI)		\$2,818,704
Urban	8753	Salem	EAST MAIN STREET (0460) #HB2.FY17 Rte460 - Add'n of CTL w/ Bike Ln, Curb, Sidewalk FROM: 0.028 Mi. West of Route 311 (Thompson Memorial Blvd.) TO: 0.006 Mi. West of Brand Ave. (0.5473 MI)		\$15,925,395
Urban	100656	Salem	ROUTE 419 (0419) Construct sidewalk on west side of Rte 419 & connect to RRG FROM: existing RRG in Rotary Park TO: City Limits (0.6700 MI)		\$463,694
Urban	113322	Vinton	HARDY ROAD (0000) Hardy Road/Dillon Woods Crosswalk FROM: Bypass Road TO: McDonald Street		\$182,693
Construction : Safety/ITS/Operational Improvements Total					\$827,704,242

**Construction : Transportation Enhancement/Byway/Non-Traditional**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Enhancement	105439	Roanoke	ROANOKE RIVER GREENWAY (0000) RRG (Aerial Way Dr to Roanoke Ave, SW extended) - RSTP FROM: Aerial Way Dr TO: Roanoke Ave SW extended (0.5400 MI)		\$5,012,713
Enhancement	113356	Roanoke County	0618 Roanoke River Greenway, Parkway Crossing FROM: 3204 Highland Rd TO: 3404 Rutrough Rd		\$491,606
Enhancement	101838	Salem	ROANOKE RIVER GREENWAY (EN00) Bridge on Phase 3A_City of Salem Roanoke River Greenway FROM: approximately 1200' E. Mill Lane TO: Eddy St.		\$751,969
Enhancement	91191	Roanoke County	EN08 Rnke River Grnwy - City of Roanoke to Route 618 FROM: City of Roanoke TO: Rte 618 (Highland Rd) (2.6000 MI)		\$6,857,566
Enhancement	97171	Roanoke County	EN08 #HB2.FY17 Roanoke Co, RRG, Green Hill Pk to Riverside Pk FROM: Green Hill Park TO: Riverside Park (1.7300 MI)		\$8,014,409
Enhancement	103607	Roanoke County	PLANTATION ROAD (RT. 115) (EN12) Roanoke Co., Plantation Road Streetscape Improvements FROM: Williamson Road (Route 11) TO: Gander Way / Friendship Ln (0.7200 MI)		\$2,898,266



## Roanoke MPO

### Construction : Transportation Enhancement/Byway/Non-Traditional

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Enhancement	107521	Botetourt County	EN15		\$595,438
			DALEVILLE GREENWAY - TAP		
			FROM: Glebe Road (RTE 675) TO: Orchard Lake Drive (RTE 1035) (0.8130 MI)		
Enhancement	106265	Roanoke	GARDEN CITY BLVD (EN15)		\$1,680,336
			GARDEN CITY BLVD BIKE/PED - TRANSPORTATION ALTERNATIVES		
			FROM: Davenport Ave/Ivywood St TO: Riverland Rd		
Enhancement	106268	Salem	HANGING ROCK BATTLEFIELD TRAIL (EN15)		\$1,333,117
			HANGING ROCK BATTLEFIELD TRAIL - TRANSPORTATION ALTERNATIVES		
			FROM: existing Hanging Rock Battlefield Trail TO: East Main St		
Enhancement	109612	Salem	E MAIN ST (EN16)		\$988,418
			DOWNTOWN STREETScape IMPROVEMENTS		
			FROM: West side of Broad St TO: East side of White Oak Alley (0.1000 MI)		
Enhancement	109611	Vinton	EN16		\$662,789
			GLADE CREEK GREENWAY, PHASE 2		
			FROM: Intersection of 5th St and Walnut Ave TO: Gus Nicks Blvd (0.7000 MI)		
Enhancement	111317	Roanoke County	WILLIAMSON ROAD (EN17)		\$1,934,000
			#SMART20 - Williamson Road Sidewalk Improvements		
			FROM: Peters Creek Road TO: Plantation Road		
Miscellaneous	T18992	Salem District-wide	0000		\$0
			CN: TRANSPORTATION ENHANCEMENT/BYWAY/OTHER NON-TRADITIONAL		
Miscellaneous	110101	Roanoke	TINKER CREEK TRAIL (9999)		\$7,251,474
			Tinker Creek Trail Extension		
			FROM: Wise Avenue TO: Masons Mill Park		
Miscellaneous	111649	Vinton	GLADE CREEK GREENWAY (9999)		\$1,684,030
			Walnut Ave Bike/Ped Accommodations (5th St to Town limit)		
			FROM: 5th Street TO: Town Limits		
Primary	111367	Salem	ELECTRIC ROAD (0419)		\$2,610,310
			#SMART18 - Mason Creek Greenway Ph3 - 419 Multimodal Imprv		
			FROM: Mason Creek Greenway TO: Hanging Rock Battlefield Trail		
Urban	72180	Roanoke	EN03		\$1,949,924
			CITY OF ROANOKE - ROANOKE RIVER GREENWAY		
			WITHIN THE CITY OF ROANOKE LIMITS		
Urban	113568	Roanoke	ROANOKE RIVER GREENWAY (0000)		\$897,770
			Roanoke River Greenway Bridge across Barnhardt Creek		
			FROM: 200 ft E of Barnhardt Creek TO: 150 ft W of Barnhardt Creek		
Urban	111366	Roanoke County	PLANTATION ROAD (0115)		\$1,855,097
			#SMART18 - Plantation Rd Bike/Ped/Streetscape Phase II		
			FROM: Walrond Drive TO: Gander Way (0.2000 MI)		
Urban	108899	Salem	BOULEVARD (8010)		\$770,032
			#HB2.FY17 Multimodal Improvements along Boulevard		
			FROM: .08 mi west of Reavis Ln TO: Salem City Limit (0.4500 MI)		
Urban	111371	Salem	EAST MAIN STREET (0460)		\$3,629,869
			#SMART18 - Downtown Salem Int. & Streetscape Improvements		
			FROM: West Main St TO: East Main St		

**Roanoke MPO**

**Construction : Transportation Enhancement/Byway/Non-Traditional**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Urban	113566	Salem	ELIZABETH GREENWAY (0000)		\$1,104,400
			Elizabeth Greenway		
			FROM: Mason Creek Greenway TO: East Main Street Greenway		
Construction : Transportation Enhancement/Byway/Non-Traditional Total					\$52,973,533

**Maintenance : Preventive Maintenance and System Preservation**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T14722	Salem District-wide	0000		\$85,964,101
			STIP-MN Salem: Preventive MN and System Preservation		
Maintenance : Preventive Maintenance and System Preservation Total					\$85,964,101

**Maintenance : Preventive Maintenance for Bridges**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T14721	Salem District-wide	0000		\$45,370,193
			STIP-MN Salem: Preventive MN for Bridges		
Maintenance : Preventive Maintenance for Bridges Total					\$45,370,193

**Maintenance : Traffic and Safety Operations**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T14720	Salem District-wide	0000		\$15,382,423
			STIP-MN Salem: Traffic and Safety Operations		
Maintenance : Traffic and Safety Operations Total					\$15,382,423

**Transit : Amenities**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T19021	Salem District-wide	0000		\$0
			CN: TRANSIT AMENITIES		
Public Transportation	111882	Multi-jurisdictional: Roanoke MPO	AUTOMATIC VEHICLE LOCATOR (9999)		\$1,904,000
			#SMART18 - GRTC Automatic Vehicle Locator/Real-Time Project		
			FROM: n/a TO: n/a		
Transit : Amenities Total					\$1,904,000

**Transit : Vehicles**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T18675	Multi-jurisdictional: Roanoke MPO	BUS REPLACEMENT (9999)		\$5,960,149
			Bus Replacement and Rebuild Program (FY17-19)		
			FROM: N/A TO: N/A		
Transit : Vehicles Total					\$5,960,149

<b>Roanoke MPO Total</b>					<b>\$1,104,322,300</b>
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**APPENDIX B - Ungrouped Projects**

## Roanoke MPO Interstate Projects

UPC NO	75910	SCOPE	Relocation			
SYSTEM	Interstate	JURISDICTION	Botetourt County		OVERSIGHT	NFO
PROJECT	Route 11,220,220A Access Management Project at I-81 Exit 150				ADMIN BY	VDOT
DESCRIPTION	FROM: 0.30 MILE SOUTH OF ROUTE 220 TO: 0.74 MILE NORTH OF ROUTE 220 (1.0410 MI)					
PROGRAM NOTE	All funds obligated based on current allocations/estimate					
ROUTE/STREET	0081				TOTAL COST	\$50,185,950
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
		\$0	\$0	\$0	\$0	\$0

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 \$1,722,333 GARVEE Debt Service Interest Prev, \$656,701 GARVEE Debt Service Interest FFY21, \$1,006,516 GARVEE Debt Service Interest FFY22, \$962,167 GARVEE Debt Service Interest FFY23, \$896,889 GARVEE Debt Service Interest FFY24, \$4,854,488 GARVEE Debt Service Interest FFY25-FFY36. Total GARVEE Debt Service Interest \$10,099,094. Corresponding CN UPC 108906 which is included in the Roanoke MPO CN: Safety/ITS/Operational Improvements grouping.					
ROUTE/STREET	0081				TOTAL COST	\$10,099,094
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
PE	Federal - AC CONVERSION	\$0	\$0	\$1,006,516	\$962,517	\$896,889
	Federal - NHS/NHPP	\$0	\$656,701	\$0	\$0	\$0
PE TOTAL		\$0	\$656,701	\$1,006,516	\$962,517	\$896,889
PE AC	Federal - AC	\$0	\$7,720,060	\$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 \$866,209 GARVEE Debt Service Interest FFY21, \$1,148,692 GARVEE Debt Service Interest FFY22, \$1,102,910 GARVEE Debt Service Interest FFY23, \$1,040,812 GARVEE Debt Service Interest FFY24, \$6,347,017 GARVEE Debt Service Interest FFY25-FFY36. Total GARVEE Debt Service Interest \$10,505,640. Corresponding CN UPC 111373 which is included in the Roanoke MPO CN: Safety/ITS/Operational Improvements grouping.					
ROUTE/STREET	0081				TOTAL COST	\$10,505,640
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
PE	Federal - AC CONVERSION	\$0	\$0	\$1,148,692	\$1,102,910	\$1,040,812
	Federal - NHS/NHPP	\$0	\$866,209	\$0	\$0	\$0
PE TOTAL		\$0	\$866,209	\$1,148,692	\$1,102,910	\$1,040,812
PE AC	Federal - AC	\$0	\$9,639,431	\$0	\$0	\$0

UPC NO	16595	SCOPE	Reconstruction w/ Added Capacity			
SYSTEM	Interstate	JURISDICTION	Roanoke	OVERSIGHT	FO	
PROJECT	RTE 581 - VALLEY VIEW INTERCHANGE PHASE II			ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.300 MI. S. ROUTE 101 (HERSHBERGER ROAD) TO: 1.560 MI. S. ROUTE 101 (HERSHBERGER ROAD) (1.2600 MI)					
PROGRAM NOTE	Waiting Financial Closure.					
ROUTE/STREET	0581			TOTAL COST	\$60,409,490	
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
		\$0	\$0	\$0	\$0	\$0

UPC NO	115852	SCOPE	Traffic Management/Engineering			
SYSTEM	Interstate	JURISDICTION	Statewide	OVERSIGHT	NFO	
PROJECT	ITTF FY20 Micro Transit			ADMIN BY	DRPT	
DESCRIPTION	FROM: Various TO: Various					
ROUTE/STREET	9999			TOTAL COST	\$500,000	
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
PE AC	Federal - AC OTHER	\$0	\$500,000	\$0	\$0	\$0

## Roanoke MPO Primary Projects

UPC NO	17698	SCOPE	Reconstruction w/o Added Capacity			
SYSTEM	Primary	JURISDICTION	Roanoke County		OVERSIGHT	NFO
PROJECT	RTE 11/460 - Widen to 4-LN w/curb, gutter, and raised median				ADMIN BY	VDOT
DESCRIPTION	FROM: .055 MI. E. OF WCL SALEM TO: 0.10 MILE WEST ROUTE 830 (2.1880 MI)					
PROGRAM NOTE	Waiting Financial Closure					
ROUTE/STREET	W.MAIN ST. (0011)				TOTAL COST	\$46,124,165
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
		\$0	\$0	\$0	\$0	\$0

UPC NO	113947	SCOPE	Safety			
SYSTEM	Primary	JURISDICTION	Roanoke County		OVERSIGHT	NFO
PROJECT	Pedestrian Improvements on Route 11 (Williamson Road)				ADMIN BY	VDOT
DESCRIPTION	FROM: Clubhouse Drive TO: 0.2 mi. South of Greenway Drive					
ROUTE/STREET	WILLIAMSON ROAD (0011)				TOTAL COST	\$750,000
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
PE	Federal - HSIP	\$0	\$0	\$150,000	\$0	\$0
CN	Federal - HSIP	\$0	\$0	\$0	\$0	\$600,000

UPC NO	98220	SCOPE	Preliminary Engineering			
SYSTEM	Primary	JURISDICTION	Roanoke County		OVERSIGHT	NFO
PROJECT	RTE. 115, Plantation Rd Corridor Improvements				ADMIN BY	Locally
DESCRIPTION	FROM: Williamson Road (Route 11) TO: Gander Way / Friendship Ln (0.7200 MI)					
PROGRAM NOTE	Waiting Financial Closure.					
ROUTE/STREET	PLANTATION ROAD (0115)				TOTAL COST	\$1,513,910
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
		\$0	\$0	\$0	\$0	\$0

UPC NO	T23169	SCOPE	Safety			
SYSTEM	Primary	JURISDICTION	Salem District-wide		OVERSIGHT	NFO
PROJECT	Systemic Improvements-Unsignalized Intersections				ADMIN BY	VDOT
DESCRIPTION	FROM: Various TO: Various					
ROUTE/STREET	VARIOUS (9999)				TOTAL COST	\$463,889
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
PE	Federal - AC CONVERSION	\$0	\$0	\$111,111	\$0	\$0
	Federal - HSIP	\$0	\$186,111	\$0	\$0	\$0
PE TOTAL		\$0	\$186,111	\$111,111	\$0	\$0
PE AC	Federal - AC	\$0	\$111,111	\$0	\$0	\$0
	Federal - AC OTHER	\$0	\$166,667	\$0	\$0	\$0
PE AC		\$0	\$277,778	\$0	\$0	\$0

UPC NO	T23168	SCOPE	Safety			
SYSTEM	Primary	JURISDICTION	Salem District-wide		OVERSIGHT	NFO
PROJECT	Systemic HSIP Pedestrian Crossing Improvements				ADMIN BY	VDOT
DESCRIPTION	FROM: various TO: various					
ROUTE/STREET	9999				TOTAL COST	\$1,021,751
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - AC CONVERSION	\$0	\$136,537	\$150,191	\$314,034	\$216,183

UPC NO	T23167	SCOPE	Safety			
SYSTEM	Primary	JURISDICTION	Salem District-wide		OVERSIGHT	NFO
PROJECT	Systemic HSIP Curve Delineation-PE Only				ADMIN BY	VDOT
DESCRIPTION	FROM: various TO: various					
ROUTE/STREET	9999				TOTAL COST	\$4,511,961
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
PE AC	Federal - AC OTHER	\$0	\$416,964	\$0	\$0	\$0
CN AC	Federal - AC OTHER	\$0	\$3,814,461	\$0	\$0	\$0

## Roanoke MPO Urban Projects

UPC NO	688	SCOPE	Reconstruction w/ Added Capacity			
SYSTEM	Urban	JURISDICTION	Roanoke	OVERSIGHT	NFO	
PROJECT	13TH STREET AND HOLLINS ROAD			ADMIN BY	VDOT	
DESCRIPTION	FROM: JAMISON AVE TO: .08 MILE NORTH INT. ORANGE AVENUE (0.9790 MI)					
ROUTE/STREET	13TH ST/ HOLLINS RD (U000)			TOTAL COST	\$23,960,970	
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - STP/STBG	\$672,519	\$2,690,076	\$0	\$0	\$0
CN AC	Federal - AC OTHER	\$0	\$51,697	\$0	\$0	\$0

UPC NO	108896	SCOPE	Facilities for Pedestrians and Bicycles			
SYSTEM	Urban	JURISDICTION	Roanoke	OVERSIGHT	NFO	
PROJECT	#HB2.FY17 Colonial Avenue Improvements			ADMIN BY	Locally	
DESCRIPTION	FROM: 300 ft beyond Winding Way Rd SW TO: Clearfield Rd SW (0.5000 MI)					
PROGRAM NOTE	All funds obligated based on current allocations/estimate					
ROUTE/STREET	COLONIAL AVENUE (8001)			TOTAL COST	\$7,000,000	
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
		\$0	\$0	\$0	\$0	\$0

UPC NO	113565	SCOPE	Facilities for Pedestrians and Bicycles			
SYSTEM	Urban	JURISDICTION	Vinton	OVERSIGHT	NFO	
PROJECT	Walnut Avenue Bicycle and Pedestrian Accommodations			ADMIN BY	Locally	
DESCRIPTION	FROM: W. Lee Avenue TO: 1st Street					
ROUTE/STREET	WALNUT AVENUE (0000)			TOTAL COST	\$545,250	
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
RW	Federal - RSTP	\$2,400	\$0	\$9,600	\$0	\$0
CN	Federal - RSTP	\$92,750	\$0	\$0	\$371,000	\$0



## Roanoke MPO Miscellaneous Projects

UPC NO	113567	SCOPE	Facilities for Pedestrians and Bicycles			
SYSTEM	Miscellaneous	JURISDICTION	Roanoke County	OVERSIGHT	NFO	
PROJECT	Roanoke River Greenway through Explore Park			ADMIN BY	Locally	
DESCRIPTION	FROM: Entrance to Explore Park TO: Through Explore Park					
ROUTE/STREET	ROANOKE RIVER GREENWAY (9999)			TOTAL COST	\$3,020,308	
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - RSTP	\$517,726	\$2,070,904	\$0	\$0	\$0

**APPENDIX C – Public Input Survey Results**

## RVTPO TIP 2021-2024 Public Input Survey Results

A survey to collect public input on the Roanoke Valley Transportation Planning Organization Transportation Improvement Program for fiscal years 2021-2024 was available between April 2 – April 20, 2020. Fifty-three people took the survey (attached). The survey was promoted through:

- Survey link on the RVARC blog (Transportation) and the RVARC Facebook page
- Newspaper ads in the Roanoke Times and the Roanoke Tribune (one day in the paper copy and 10 days on the Roanoke Times website)
- Emailed survey link to about 200 people who had taken an RVTPO survey, served on a committee, or participated in a workshop or meeting
- Survey link in the RVARC e-newsletter
- Facebook post on RVARC Facebook page
- Facebook post boosted to RVTPO zip codes
- Google ad boosted to RVTPO zip codes

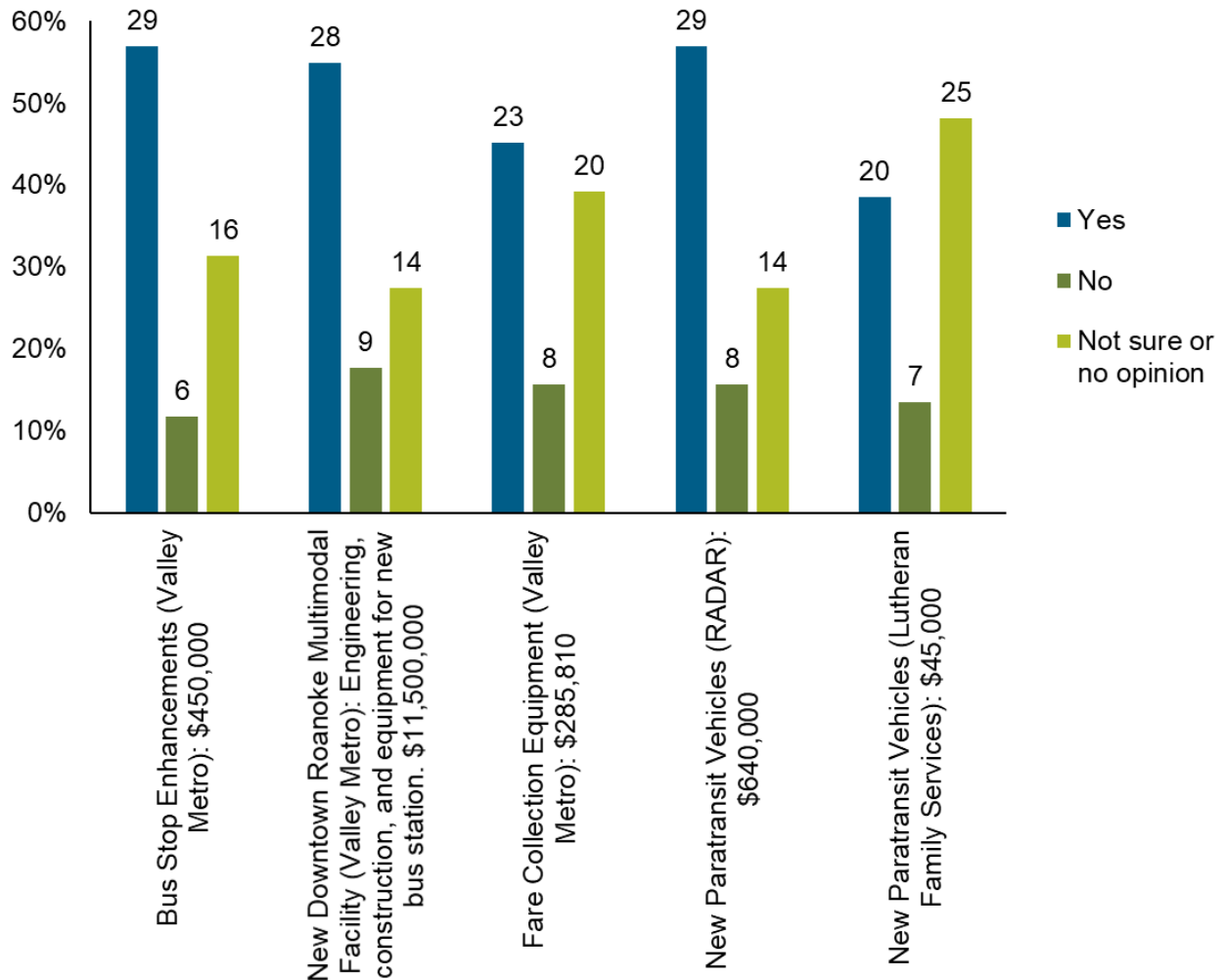
The survey listed five projects eligible for transit funding and seven projects eligible for highway/surface funding (which included a transit project). These projects were selected from among all projects in the draft Transportation Improvement Program because they have not been in the previous Transportation Improvement Program or had not previously been part of public input opportunities.

Participants were asked to comment on any project listed in the draft Transportation Improvement Program and how the public input experience could be improved.

Finally, participants were asked demographic questions to determine the extent to which the promotion efforts listed previously sufficiently engaged people from all RVTPO zip codes and of all race/ethnicities in the RVTPO.

## Transit Funding

Participants were informed that their input will help the RVTPO decide which projects to fund if there isn't enough funding available for all projects. Participants were asked to agree or disagree that each project is a good investment for the RVTPO or indicated Not Sure or No Opinion.



Participants were asked if there were other projects they'd like to see submitted for future transit funding.

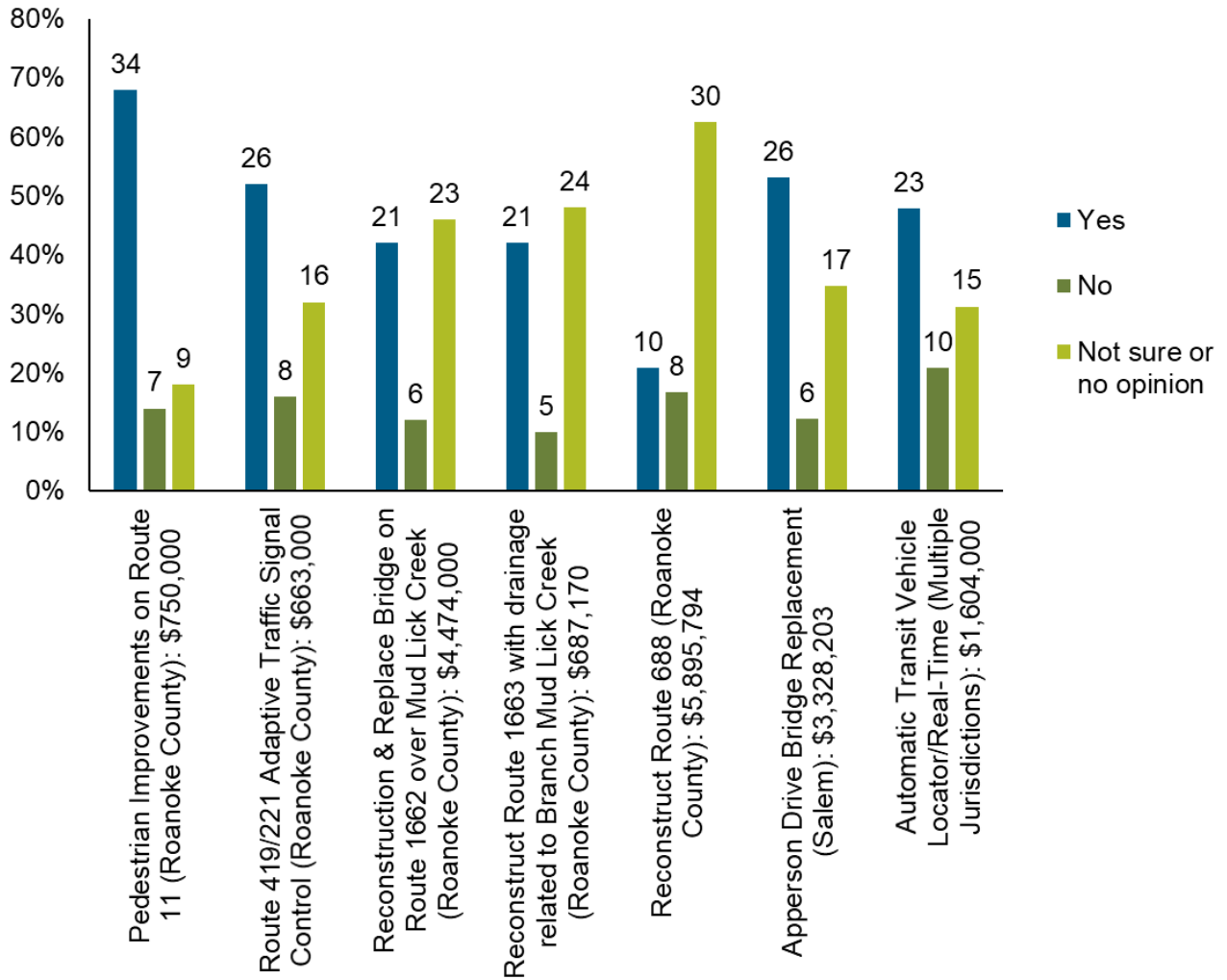
Project suggestion	RVTPO Response
Anything that will directly impact the poor of our region who are continually neglected. For example, transportation projects that assist poor people in getting to jobs in Roanoke County and throughout the region.	We've shared your comment with Valley Metro

Project suggestion	RVTPO Response
Connect the Greenways and better signage on greenways.	We've shared your comment with the Greenway Commission.
Expand Valley Metro service. Perhaps purchase smaller buses. Add electric buses.	We've shared your comment with Valley Metro.
Funding to expand paratransit services and to lower the per trip cost.	We've shared your comment with RADAR.
I do not use public transportation	We hope you will try it out!
I would like to see fare equipment additions for paratransit vehicles in the future.	We've shared your comment with RADAR.
Light rail connection to the NRV -- study needs to be done using the former Virginian Railway line.	We've shared your comment with the RVTPO Policy Board and Technical Committee.
Lighting on I81 at exits	This would not be eligible for transit funding. We've shared your comment with the RVTPO Policy Board and Technical Committee.
Lower fares, and/or no fares for low-income people.	We've shared your comment with Valley Metro.
New study to make the City of Roanoke bus system more efficient. Including the exploration of alternative routes in which not every route begins and ends at the downtown facility. There should be more spoke routes (e.g. Peter's Creek road, Electric Road, Cove Road)	The Transit Vision Plan was completed in 2016.
Regional transportation services to surrounding cities and counties.	RVARC completed the Rural Transit Feasibility Study in May 2019.

<b>Project suggestion</b>	<b>RVTPO Response</b>
<p>Roanoke City hired AECOM to define their Multimodal Facility. AECOM specifically and highly recommended a true Multimodal facility by keeping all modes (rail, bus, taxi, bikes) of transportation together (see link). Moving the new bus station away from the train station is a huge mistake! Why? It is not multimodal!  <a href="https://www.roanokeva.gov/DocumentCenter/View/4870/Downtown-Intermodal-Study---Final">https://www.roanokeva.gov/DocumentCenter/View/4870/Downtown-Intermodal-Study---Final</a></p>	<p>We've shared your comment with Valley Metro and the City of Roanoke.</p>
<p>Sidewalk and crosswalk enhancements to improve access to bus stops.</p>	<p>We've shared your comment with the RVTPO Policy Board and Technical Committee.</p>
<p>Smaller buses that use alternative fuels or get better gas mileage for routes that aren't as popular, or at hours when ridership is down.</p>	<p>We've shared your comment with Valley Metro.</p>

## Highway/Surface Funding

Participants were informed that the projects listed all have identified funding and can be refused but another project cannot be substituted. Participants were asked to agree or disagree that each project is a good investment for the RVTPO or indicated Not Sure or No Opinion.



Participants were asked if there were other projects they'd like to see submitted for future highway/surface funding.

Project suggestion	RVTPO Response
Bike lanes or better shoulders for cyclists!	We've shared your comment with the RVTPO Policy Board and Technical Committee.
Concentrate on I81-581 congestion /merger controls.	We've shared your comment with the RVTPO Policy Board and Technical Committee.

Project suggestion	RVTPO Response
Connect the Greenways	We've shared your comment with the Greenway Commission.
It is pretty hard to find information about theses projects, which are sometimes multi-million dollar investments. For instance, my opinion on the Apperson Drive Bridge Replacement depends upon why it's being replaced and the anticipated design of the replacement.	We are improving our public input process and hope to include project purpose and more information about projects in future surveys.
No. Too much being spent on roads. Bike and pedestrian investments get much more public benefit for the dollar.	We've shared your comment with the RVTPO Policy Board and Technical Committee.
Plantation road towards orange avenue is pretty terrible for pedestrians and cyclists. If improved, the neighborhoods around Preston Park and Monterrey would be significantly more connected to the downtown area.	We've shared your comment with the RVTPO Policy Board and Technical Committee.
Redo Route 11 at Exit 150 to allow more access to Troutville.	We've shared your comment with the RVTPO Policy Board and Technical Committee.
Sidewalks, sidewalks, sidewalks	We've shared your comment with the RVTPO Policy Board and Technical Committee.
Too much money for automobile transportation and not enough for rail, pedestrian and bike paths separate from traffic. No language to require developers to include connectors to greenways.	We've shared your comment about development ordinances with localities.



### Other comments

Participants were asked to provide any other comments about the Transportation Improvement Program.

<b>Comment</b>	<b>RVTPO Response</b>
Anything that can provide employment to those unemployed or adversely financially impacted because of the pandemic would be particularly good investments. Any continued efforts in education and accessibility that would encourage all residents to take more advantage of public transportation would also be welcomed.	RIDE Solutions promotes transit as part of its programming.
Better synchronize traffic signal lights for current traffic flows. Otherwise, they impede traffic flow, bunching vehicles between lights.	We've shared your comment with the RVTPO Policy Board and Technical Committee.
Bike Lane on all of Route 11 between Salem and Roanoke.	We've shared your comment with the RVTPO Policy Board and Technical Committee.
I doubt the public can understand much if anything about any of the proposed programs without at least reading the TIP document. This poorly scanned and barely readable, sometimes unreadable, copy of the TIP sends a clear message to the public about how much you value this process -- no at all.	We apologize for the poor quality of the document. We have identified the issues and intend to do better in the future.
Light rail connection between Roanoke and New River Valley is of critical importance for the future. Smartway bus is okay, but infrequent and unreliable. Planning needs to begin NOW for a better light rail service with multiple hourly departures, linking the Carilion campus with the New River Valley Mall using the former Virginian Railway line, which Norfolk Southern no longer needs because of decline in coal transportation.	We've shared your comment with the RVTPO Policy Board and Technical Committee.
Lots of great stuff in the TIP. Please prioritize greenway and pedestrian projects.	We've shared your comment with the RVTPO Policy Board and Technical Committee.
Please stop wasting money by adding lanes to I-81. This method is a very old practice that has been proven not to reduce congestion or increase safety. Instead, enforce the speed limit and other driving laws stringently and create solutions to put tractor trailers onto the railroad.	We've shared your comment with the RVTPO Policy Board and Technical Committee.
The 13th and Hollins project (UP 688) seems like it is based on traffic doubling and intended to increase traffic. The roundabout with slip lanes at Campbell is likely to make one of the few bike routes between Roanoke and Vinton much more difficult to use. As currently designed it seems to be a lot of money for something that may make the area worse. It also appears that the project design is over a decade old.	We've shared your comment with the City of Roanoke.
The projects on the TIP are excellent overall.	Thank you

Comment	RVTPO Response
TIP still has too much money for automobile type transportation and not enough for public transportation. No future light-rail is even mentioned. Practically all bike improvement language is a bike-auto shared road bed and no separated bike-ped ways.	We've shared your comment with the RVTPO Policy Board and Technical Committee.

Participants were asked how the RVTPO could improve this survey.

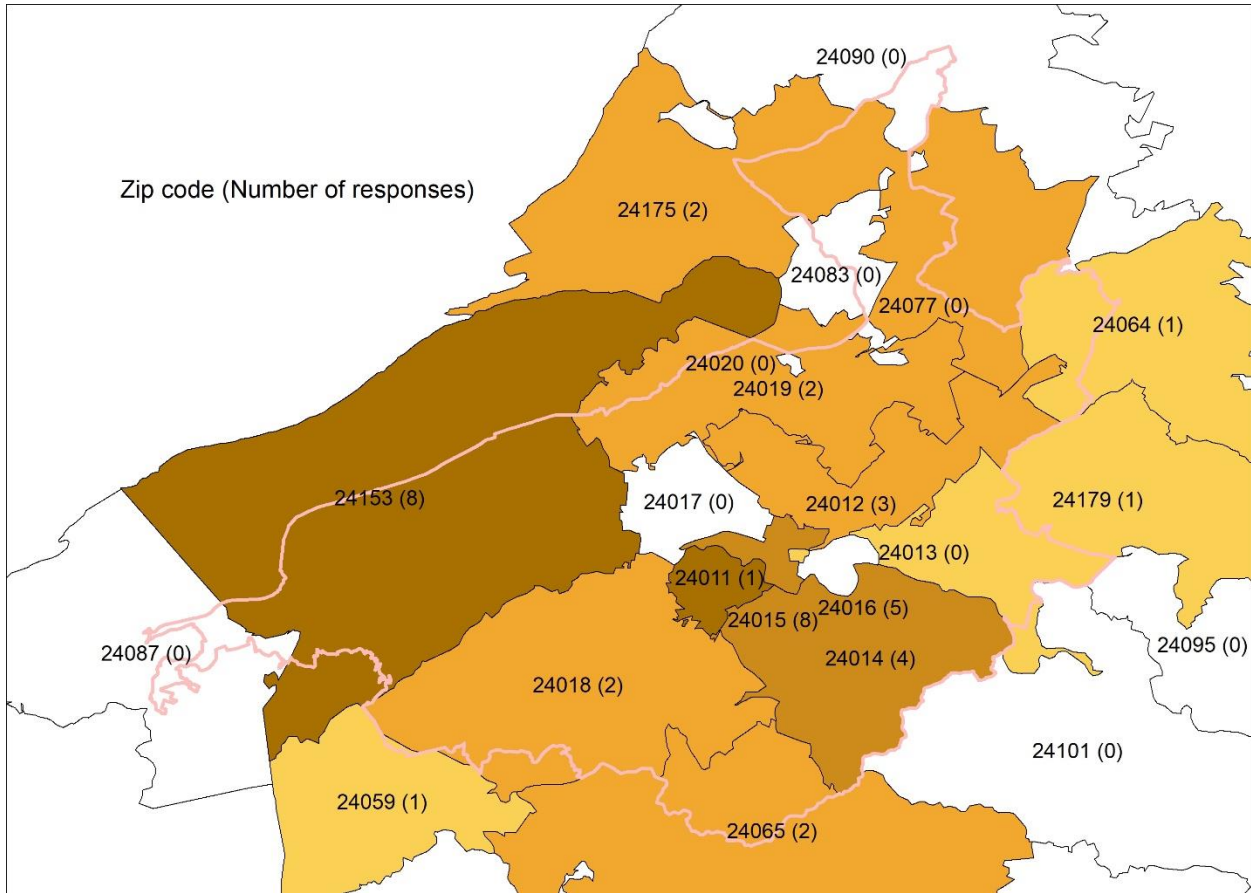
Comment	RVTPO Response
Give more details on what each question entails.	We are working to include project purpose and more information about projects in future surveys.
I know a different survey asked this, but I would like the opportunity to express which order I'd prioritize the remaining projects in.	Thank you for your comment.
Include maps of the various proposed repairs. I'm new to the area and don't know all the route numbers.	We are working to provide maps.
Just keep going.	Thank you.
Make the whole thing user friendly for the general public. The document and survey are understandable only to those working in the transportation field.	We are working to provide project title and information in more accessible language.
More details about the projects. I don't know what adaptive traffic signaling is. Use language that is more easily understood.	We are working to provide project title and information in more accessible language.
More public input BEFORE submitting SmartScale request to state each year.	We are working on improving the timing of public input opportunities.
Please give more detail on the options. Many of them use industry terms that the average person will not understand.	We are working to provide project title and information in more accessible language.
Please provide larger project descriptions, maps, and more information about how projects have been evaluated and why the public should care about them. The current project description for UPC 115454 is "Safety improvements – what exactly?" I'm a fan of safety improvements, but the specifics matter.	We are working to provide project title and information in more accessible language and maps.
Provide maps showing location and scope of projects.	We are working to provide maps.
RVTPO does a poor job of replying to the public who take great care and time providing input and feedback. When someone emails or writes the RVTPO, every letter/email should be acknowledged!	We apologize for the oversight! We have contacted you since receiving your comment and hope we've addressed the issue to your satisfaction.
The draft TIP is a scanned pdf and the links aren't clickable. Not all links have urls spelled out and when they do you have to type them into the web browser because you can't copy and paste text from a scanned pdf.	We apologize for the poor quality of the document. We have identified the issues and intend to do better in the future. Your feedback is helpful to our

Comment	RVTPO Response
<p>That shouldn't even be necessary if there were more information in the survey so that there wasn't a need to look at supplemental documents. Every time you refer to a supplemental document, you are saying "You probably don't understand this" without more information. Obviously you do not care about getting any public comment or you would not make it so hard for the public to provide meaningful input. Asking for public feedback insults the public, especially anyone that cares enough to try.</p> <p>I went through the process of downloading the draft TIP and reading some additional documents and finally decided this was not worth it.</p>	<p>efforts to improve the public input experience</p>
<p>Try harder! At least pretend to care.</p>	<p>We will work to improve the quality of our surveys, the clarity of information, and the timeliness of input sought. We do care and appreciate that you too care enough to provide input. Thank you!</p>

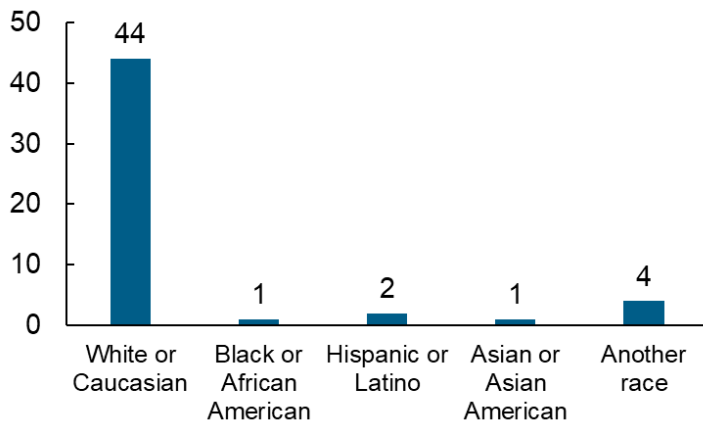
### Demographic questions

Forty-three of 53 survey participants provided their zip code.

Zip code	Number of responses
24011	1
24012	3
24014	4
24015	8
24016	5
24018	2
24019	2
24059	1
24064	1
24065	2
24121	1
24153	8
24175	2
24179	1
24279	1
24556	1



Fifty-two of 53 survey participants provided race/ethnicity.



This survey had no or low participation from some zip codes and from people who identify as minorities. Staff continue to try different strategies to improve public participation from under-responding zip codes and minorities. For this survey, staff purchased Google Ads for the first time to promote the survey which unfortunately yielded a very low response rate.

**APPENDIX D: Resolution Approving Final TIP 2021-2024**

The 25<sup>th</sup> day of June 2020

## **RESOLUTION**

### **Approval of the Final Transportation Improvement Program for Fiscal Years 2021, 2022, 2023 and 2024 for the Roanoke Urbanized Area**

**WHEREAS**, it is the position of the Roanoke Valley Transportation Planning Organization that projects proposed for improving transportation in the Roanoke urban area should be examined closely; and


**WHEREAS**, the Transportation Improvement Program has been prepared to initiate review by the Roanoke Valley Transportation Planning Organization of proposed transportation improvements for federal fiscal years 2021, 2022, 2023 and 2024; and

**WHEREAS**, inclusion of transportation projects in the Transportation Improvement Program is a condition of federal participation in the funding of that project; and

**WHEREAS**, the Transportation Improvement Program is required to be submitted to the Virginia Department of Transportation for inclusion in the State Transportation Improvement Program; and

**WHEREAS**, the TPO's Transportation Technical Committee has reviewed this document and has recommended that the Policy Board of the Roanoke Valley Transportation Planning Organization forward the FY2021-2024 Transportation Improvement Program to the Virginia Department of Transportation for inclusion in the State Transportation Improvement Program;

**NOW, THEREFORE, BE IT RESOLVED** that the Policy Board of the Roanoke Valley Transportation Planning Organization approves the FY2021-2024 Transportation Improvement Program, as presented, and forwards the document to the Virginia Department of Transportation for inclusion in the State Transportation Improvement Program.



Janet Scheid  
Chair

**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 Metropolitan Planning Organization**

**APPENDIX E – Self-Certification Statement**

## **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 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 Metropolitan Planning Organization**





**Roanoke Valley Transportation**  
**PLANNING ORGANIZATION**  
 Staffed by the  
**REGIONAL commission**

313 Luck Avenue, SW  
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**Roanoke Valley Area MPO**

Janet Scheel  
 Signature

Chair, TPO  
 Title

June 30, 2020  
 Date

**Virginia Department of Transportation**

\_\_\_\_\_  
 Signature

Salem District Engineer  
 Title

July 6, 2020  
 Date

**Virginia Department of Rail and Public Transportation**

Jennifer L. Mitchell  
 Signature

Director  
 Title

7/15/2020  
 Date

**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 Metropolitan Planning Organization**

**APPENDIX F – Amendments and Adjustments**

October 5, 2020

Mr. David Nigrelli  
 Lead Financial Compliance Analyst  
 Virginia Department of Rail and Public Transportation  
 600 E. Main Street, Suite 2101  
 Richmond, VA 23219

RE: FY 2021-2024 TIP Adjustment Requests – 5310 Projects

Dear Mr. Nigrelli:

After reviewing your requests, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect the changes to the following FTA 5310 funded projects:

**1. RAD0001: Operating Assistance (RADAR)**

**Existing Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>RAD0001</b>	Title: Operating Assistance		Recipient: <b>RADAR - UHSTS, Inc. Roanoke County</b>		
FTA 5310		115,316	115,316	115,316	115,316	FTA 5310 <b>461,262</b>
State		92,252	92,252	92,252	92,252	State <b>369,010</b>
Local		11,063	11,063	11,063	11,063	Local <b>44,252</b>
Revenues		12,000	12,000	12,000	12,000	Revenues <b>48,000</b>
<b>Year Total:</b>	-	<b>230,631</b>	<b>230,631</b>	<b>230,631</b>	<b>230,631</b>	<b>Total Funds: 922,524</b>
Description:						

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>RAD0001</b>	Title: Operating Assistance		Recipient: <b>RADAR - UHSTS, Inc. Roanoke County</b>		
FTA 5310		84,000	66,000	115,316	115,316	FTA 5310 <b>380,631</b>
State		67,000		92,252	92,252	State <b>251,505</b>
Local		17,000		11,063	11,063	Local <b>39,126</b>
Revenues		-	12,000	12,000	12,000	Revenues <b>36,000</b>
<b>Year Total:</b>	-	<b>168,000</b>	<b>78,000</b>	<b>230,631</b>	<b>230,631</b>	<b>Total Funds: 707,262</b>
Description:	Adjustment 10/5/20: decrease FY21 funding \$62K (decrease FTA 5310 \$31K, decrease State \$25K, increase local \$6K, decrease revenues \$12K). FY22 funding \$142K decrease (decrease FTA 5310 \$49K, decrease State \$92K, and decrease Local \$11K).					

**2. RAD0002: Paratransit Vehicles (RADAR)**

**Existing Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>RAD0002</b>	Title: Paratransit Vehicles		Recipient: <b>RADAR - UHSTS, Inc. Roanoke County</b>		
FTA 5310		128,000	128,000	128,000	128,000	FTA 5310 <b>512,000</b>
State						State <b>-</b>
Local		32,000	32,000	32,000	32,000	Local <b>128,000</b>
<b>Year Total:</b>	-	<b>160,000</b>	<b>160,000</b>	<b>160,000</b>	<b>160,000</b>	<b>Total Funds: 640,000</b>
Description:						

**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

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>RAD0002</b>	<b>Title: Paratransit Vehicles</b>		<b>Recipient: RADAR - UHSTS, Inc. Roanoke County</b>		
FTA 5310		104,000	128,000	128,000	128,000	FTA 5310 <b>488,000</b>
State						State -
Local		26,000	32,000	32,000	32,000	Local <b>122,000</b>
<b>Year Total:</b>	-	<b>130,000</b>	<b>160,000</b>	<b>160,000</b>	<b>160,000</b>	<b>Total Funds: 610,000</b>
Description:	Adjustment 10/5/20: Increase FY21 funding \$15,000 (increase FTA 5310 \$12,000, local \$3,000).					

**3. LFS0001: Paratransit Vehicles (Lutheran Family Services)**

**Existing Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>LFS0001</b>	<b>Title: Paratransit Vehicles</b>		<b>Recipient: Lutheran Family Services</b>		
FTA 5310		36,000				FTA 5310 <b>36,000</b>
State						State -
Local		9,000				Local <b>9,000</b>
<b>Year Total:</b>	-	<b>45,000</b>	-	-	-	<b>Total Funds: 45,000</b>
Description:						

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>LFS0001</b>	<b>Title: Paratransit Vehicles</b>		<b>Recipient: Lutheran Family Services</b>		
FTA 5310		48,000				FTA 5310 <b>48,000</b>
State						State -
Local		12,000				Local <b>12,000</b>
<b>Year Total:</b>	-	<b>60,000</b>	-	-	-	<b>Total Funds: 60,000</b>
Description:	Adjustment 10/5/20: Increase FY21 funding \$15K (increase FTA 5310 \$12K, Local \$3K).					

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Bryan W. Hill, AICP, CZA  
Regional Planner III



**Roanoke Valley Transportation**  
**PLANNING ORGANIZATION**  
Staffed by the  
**REGIONAL commission**

313 Luck Avenue, SW  
Roanoke, Virginia 24016  
P: 540.343.4417 / F: 540.343.4416  
[rvtpo.org](http://rvtpo.org)

April 7, 2021

Mr. Michael Gray  
Salem District Planning Manager  
Virginia Department of Transportation  
731 Harrison Avenue  
Salem, VA 24153

RE: FY 2021-2024 TIP Adjustment Request

Dear Mr. Gray:

After reviewing your request on 3/25/21, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to UPC# 688 – 13<sup>th</sup> Street and Hollins Road.

The purpose of the adjustment is to update the project cost from \$23,960,970 to \$25,034,586 and reflect the obligation and release of federal funding in FY21.

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,

Cristina D. Finch, AICP, LEED AP  
Director of Transportation

**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 Transportation Planning Organization

## Roanoke MPO

### Urban Projects

UPC NO	688	SCOPE	Reconstruction w/ Added Capacity			
SYSTEM	Urban	JURISDICTION	Roanoke		OVERSIGHT	NFO
PROJECT	13TH STREET AND HOLLINS ROAD				ADMIN BY	VDOT
DESCRIPTION	FROM: .024 MILE SOUTH OF CHURCH AVENUE TO: INT. OF NORFOLK AVENUE					
PROGRAM NOTE	TIP ADJ 4-7-21 - add \$7,291 (STP/STBG) FFY21 PE phase; release \$1,252,842 (STP/STBG) FFY21 RW phase; add \$549,585 (STP/STBG), \$172,377 (HIP) & \$6,718,819 (AC-Other) FFY21 CN phase.					
ROUTE/STREET	13TH ST/ HOLLINS RD (U000)				TOTAL COST	\$25,034,586
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
PE	Federal - STP/STBG	\$1,823	\$7,291	\$0	\$0	\$0
RW	Federal - STP/STBG	(\$313,211)	(\$1,252,842)	\$0	\$0	\$0
CN	Federal - HIP/F	\$0	\$172,377	\$0	\$0	\$0
	Federal - STP/STBG	\$137,396	\$549,585	\$0	\$0	\$0
<b>CN TOTAL</b>		<b>\$137,396</b>	<b>\$721,962</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
CN AC	Federal - AC OTHER	\$0	\$6,718,819	\$0	\$0	\$0
MPO NOTE	<i>The purpose of the 12-17-20 adjustment is to remove the noted match and FY21 allocation since all funding for this project has been allocated in previous years. Preliminary Engineering and Right-of-Way phases are complete and construction is expected to begin in the FY21 cycle. The FY18-21 TIP reflects a previous total cost of \$63.2M. In FY19, the project scope and cost were revised to remove the bridge replacement.</i>					

March 12, 2021

Mr. David Nigrelli  
 Lead Financial Compliance Analyst  
 Virginia Department of Rail and Public Transportation  
 600 E. Main Street, Suite 2101  
 Richmond, VA 23219

RE: FY 2021-2024 TIP Adjustment Request

Dear Mr. Nigrelli:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to RAD0002: Paratransit Vehicles (RADAR).

The purpose of the adjustment is to update the project funding sources as follows:

**Existing Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>RAD0002</b>	Title: Paratransit Vehicles		Recipient: <b>RADAR - UHSTS, Inc. Roanoke County</b>		
FTA 5310		104,000	128,000	128,000	128,000	FTA 5310 <b>488,000</b>
State						State -
Local		26,000	32,000	32,000	32,000	Local <b>122,000</b>
<b>Year Total:</b>	-	<b>130,000</b>	<b>160,000</b>	<b>160,000</b>	<b>160,000</b>	<b>Total Funds: 610,000</b>
Description:	Adjustment 10/5/20: Increase FY21 funding \$15,000 (increase FTA 5310 \$12,000, local \$3,000).					

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>RAD0002</b>	Title: Paratransit Vehicles		Recipient: <b>RADAR - UHSTS, Inc. Roanoke County</b>		
FTA 5310		104,000	130,000	128,000	128,000	FTA 5310 <b>490,000</b>
State						State -
Local		26,000		32,000	32,000	Local <b>90,000</b>
<b>Year Total:</b>	-	<b>130,000</b>	<b>130,000</b>	<b>160,000</b>	<b>160,000</b>	<b>Total Funds: 580,000</b>
Description:	Adjustment 10/5/20: Increase FY21 funding \$15K (increase FTA 5310 \$12K, Local \$3K). Adjustment 3/12/21: decrease FY22 funding \$30K (increase FTA 5310 \$2K, decrease Local \$32K).					

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Bryan W. Hill, AICP, CZA  
 Regional Planner III



**Roanoke Valley Transportation**  
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The purpose of the adjustment is to update the project cost from \$23,960,970 to \$25,034,586 and reflect the obligation and release of federal funding in FY21.

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,

Cristina D. Finch, AICP, LEED AP  
Director of Transportation

**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 Transportation Planning Organization



## Roanoke MPO

### Urban Projects

UPC NO	688	SCOPE	Reconstruction w/ Added Capacity			
SYSTEM	Urban	JURISDICTION	Roanoke	OVERSIGHT	NFO	
PROJECT	13TH STREET AND HOLLINS ROAD			ADMIN BY	VDOT	
DESCRIPTION	FROM: .024 MILE SOUTH OF CHURCH AVENUE TO: INT. OF NORFOLK AVENUE					
PROGRAM NOTE	TIP ADJ 4-7-21 - add \$7,291 (STP/STBG) FFY21 PE phase; release \$1,252,842 (STP/STBG) FFY21 RW phase; add \$549,585 (STP/STBG), \$172,377 (HIP) & \$6,718,819 (AC-Other) FFY21 CN phase.					
ROUTE/STREET	13TH ST/ HOLLINS RD (U000)			TOTAL COST	\$25,034,586	
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
PE	Federal - STP/STBG	\$1,823	\$7,291	\$0	\$0	\$0
RW	Federal - STP/STBG	(\$313,211)	(\$1,252,842)	\$0	\$0	\$0
CN	Federal - HIP/F	\$0	\$172,377	\$0	\$0	\$0
	Federal - STP/STBG	\$137,396	\$549,585	\$0	\$0	\$0
CN TOTAL		\$137,396	\$721,962	\$0	\$0	\$0
CN AC	Federal - AC OTHER	\$0	\$6,718,819	\$0	\$0	\$0
MPO NOTE	<i>The purpose of the 12-17-20 adjustment is to remove the noted match and FY21 allocation since all funding for this project has been allocated in previous years. Preliminary Engineering and Right-of-Way phases are complete and construction is expected to begin in the FY21 cycle. The FY18-21 TIP reflects a previous total cost of \$63.2M. In FY19, the project scope and cost were revised to remove the bridge replacement.</i>					

June 2, 2021

Mr. David Nigrelli  
 Lead Financial Compliance Analyst  
 Virginia Department of Rail and Public Transportation  
 600 E. Main Street, Suite 2101  
 Richmond, VA 23219

RE: FY 2021-2024 TIP Adjustment Request

Dear Mr. Nigrelli:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to GRT0001: Operating Assistance (Valley Metro).

The purpose of the adjustment is to update the project funding sources as follows:

**Existing Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>ROANOKE VALLEY AREA METROPOLITAN PLANNING ORGANIZATION</b>						
STIP ID:	<b>GRT0001</b>	Title: Operating Assistance		Recipient: <b>Greater Roanoke Transit Company</b>		
FTA 5307		2,147,090	2,147,090	2,147,090	2,147,090	FTA 5307 <b>8,588,360</b>
FTA 5311		354,000	354,000	354,000	354,000	FTA 5311 <b>1,416,000</b>
State		2,407,236	2,407,236	2,407,236	2,407,236	State <b>9,628,944</b>
Local		1,566,000	1,566,000	1,566,000	1,566,000	Local <b>6,264,000</b>
Revenues		2,314,000	2,314,000	2,314,000	2,314,000	Revenues <b>9,256,000</b>
<b>Year Total:</b>		<b>8,788,326</b>	<b>8,788,326</b>	<b>8,788,326</b>	<b>8,788,326</b>	<b>Total Funds: 35,153,304</b>
Description:						

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>ROANOKE VALLEY AREA METROPOLITAN PLANNING ORGANIZATION</b>						
STIP ID:	<b>GRT0001</b>	Title: Operating Assistance		Recipient: <b>Greater Roanoke Transit Company</b>		
FTA 5307		2,147,090	2,147,090	2,147,090	2,147,090	FTA 5307 <b>8,588,360</b>
FTA 5311		354,000	<b>547,000</b>	354,000	354,000	FTA 5311 <b>1,609,000</b>
State		2,407,236	2,407,236	2,407,236	2,407,236	State <b>9,628,944</b>
Local		1,566,000	1,566,000	1,566,000	1,566,000	Local <b>6,264,000</b>
Revenues		2,314,000	2,314,000	2,314,000	2,314,000	Revenues <b>9,256,000</b>
<b>Year Total:</b>		<b>8,788,326</b>	<b>8,981,326</b>	<b>8,788,326</b>	<b>8,788,326</b>	<b>Total Funds: 35,346,304</b>
Description:	<b>Adjustment 6/2/21: Increase FY22 FTA 5311 funding \$193,000.</b>					

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Bryan W. Hill, AICP, CZA  
 Regional Planner III

June 4, 2021

Ms. Wendy Jones  
 Director of Finance  
 Greater Roanoke Transit Company  
 1108 Campbell Ave., SE  
 Roanoke, VA 24013

RE: FY 2021-2024 TIP Adjustment Request

Dear Ms. Jones:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to GRT0018: Radio Communications System.

The purpose of the adjustment is to update the project funding sources as follows:

**Existing Project**

STIP ID:	GRT0018	Title: Radio Communication System	Recipient: Greater Roanoke Transit Company
Flexible STP		400,000	Flexible STP 400,000
State		80,000	State 80,000
Local		20,000	Local 20,000
<b>Year Total:</b>	-	<b>500,000</b>	- <b>Total Funds: 500,000</b>
Description:			

**Adjusted Project**

STIP ID:	GRT0018	Title: Radio Communication System	Recipient: Greater Roanoke Transit Company
Flexible STP		140,000	Flexible STP 140,000
State		340,000	State 340,000
Local		20,000	Local 20,000
<b>Year Total:</b>	-	<b>500,000</b>	- <b>Total Funds: 500,000</b>
Description: Remove 260K from Flexible STP and add to State.			

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Cristina D. Finch, AICP, LEED AP  
 Director of Transportation

**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

June 8, 2021

Mr. Kevin Price  
 General Manager  
 Greater Roanoke Transit Company  
 1108 Campbell Ave., SE  
 Roanoke, VA 24013

RE: FY 2021-2024 TIP Adjustment Request

Dear Mr. Price:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) is being administratively modified to reflect changes to GRT0013: New Downtown Roanoke Multimodal Facility – Engineering, Construction, Equipment.

The purpose of the adjustment is to update the project funding sources as follows:

Original Information	Updated Information
Federal: \$9,200,000	Flexible STP: \$3,220,000
STBG: \$400,000	STBG: \$400,000
State: \$2,300,000	State: \$7,820,000
	Local: \$460,000
<b>Total: \$11,900,000</b>	<b>Total: \$11,900,000</b>

The adjusted FY2021-2024 TIP will be available on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Cristina D. Finch, AICP, LEED AP  
 Director of Transportation

**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

June 11, 2021

Ms. Wendy Jones  
 Director of Finance  
 Greater Roanoke Transit Company  
 1108 Campbell Ave., SE  
 Roanoke, VA 24013

RE: FY 2021-2024 TIP Adjustment Request

Dear Ms. Jones:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to GRT0009: Rehab/Renovation of Administration/Maintenance Building.

The purpose of the adjustment is to update the project funding sources as follows:

**Existing Project**

STIP ID: GRT0008		Title: Rehab/Renovation of Admin/Maint Building		Recipient: Greater Roanoke Transit Company			
FTA 5339		54,810			270,000	FTA 5339	324,810
State		140,070			690,000	State	830,070
Local		8,120			40,000	Local	48,120
<b>Year Total:</b>	-	<b>203,000</b>	-	-	<b>1,000,000</b>	<b>Total Funds:</b>	<b>1,203,000</b>

**Adjusted Project**

STIP ID: GRT0008		Title: Rehab/Renovation of Admin/Maint Building		Recipient: Greater Roanoke Transit Company			
FTA 5339		104,296			270,000	FTA 5339	374,296
State		140,070			690,000	State	830,070
Local		8,120			40,000	Local	48,120
<b>Year Total:</b>	-	<b>252,486</b>	-	-	<b>1,000,000</b>	<b>Total Funds:</b>	<b>1,252,486</b>
Description:	Adjustment 6/11/21: Increase FTA 5339 by \$49,486 in FY21 for HVAC system upgrades.						

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Cristina D. Finch, AICP, LEED AP  
 Director of Transportation

**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



The 24<sup>th</sup> day of June, 2021

## **RESOLUTION**

### **Approving an Amendment to the RVTPO FY 2021-2024 Transportation Improvement Program for the Roanoke County CORTAN Service**

**WHEREAS**, the Roanoke Valley Transportation Planning Organization (RVTPO) approved the *FY 2021-2024 Transportation Improvement Program* on June 25, 2020; and

**WHEREAS**, the inclusion of transportation projects in the Transportation Improvement Program (TIP) is a condition of federal participation in the funding of that project; and

**WHEREAS**, this amendment to the FY 2021-2024 TIP reflects Roanoke County's request for FTA 5310 funding to operate its CORTAN service for seniors and people with disabilities. The Virginia Department of Rail and Public Transportation has recommended this project for inclusion in the Commonwealth Transportation Board's FY22 Rail and Public Transportation Six-Year Improvement Program; and

**WHEREAS**, in accordance with the RVTPO's Public Participation Plan, public input has been sought in amending the RVTPO's TIP, feedback has been presented to the Policy Board, and a duly advertised public hearing was held; and

**NOW, THEREFORE BE IT RESOLVED**, that the Roanoke Valley Transportation Planning Organization Policy Board does hereby approve this amendment to the *FY 2021-2024 Transportation Improvement Program* for the Roanoke County CORTAN Service, as presented.

Billy W. Martin, Sr.  
Chair

**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

June 30, 2021

Mr. David Nigrelli  
 Lead Financial Compliance Analyst  
 Virginia Department of Rail and Public Transportation  
 600 E. Main Street, Suite 2101  
 Richmond, VA 23219

RE: FY 2021-2024 TIP Amendment – CORTRAN Operating Assistance, County of Roanoke

Dear Mr. Nigrelli:

The Roanoke Valley Transportation Planning Organization’s (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) was amended on June 24, 2021 to add the following FTA 5310 funded project:

**ROA0001: Operating Assistance (County of Roanoke)**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>ROA0001</b>	Title: Operating Assistance		Recipient: <b>County of Roanoke</b>		
FTA 5310			<b>119,008</b>			FTA 5310 <b>119,008</b>
State						State -
Local						Local -
<b>Year Total:</b>	-	-	<b>119,008</b>	-	-	<b>Total Funds: 119,008</b>
Description:	<b>Amendment 6/24/21: Add new project and FTA 5310 funding \$119K for FY22.</b>					

The amended FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Bryan W. Hill, AICP, CZA  
 Regional Planner III



# Memo

**Date:** August 5, 2021

**From:** Bryan W. Hill, AICP, CZA, Regional Planner III

*BWH*

**RE: Adjustment to the Transportation Improvement Program—Addition of New Grouped Projects from the VDOT FY22-27 Six-Year Improvement Program**

The FY2021-2024 Transportation Improvement Program was administratively modified to include the following new list of grouped projects included in the FY22-27 VDOT Six-Year Improvement Program, adopted on July 1, 2021.

UPC	Project Name	Project Cost
110624	#SGR18 - Rte. 11 over Norfolk Southern Railroad - Deck Replacement	\$2,632,000
110887	Rte. 220 Access Management Improvements Project	\$10,196,000
115473	#SGR17 - Rte. 813 over Roanoke River Sub Repairs	\$2,411,000
116077	Safety Prescoping – Salem	\$1,512,000
116197	#I81CIP Add NB Lane between Exit 128 and Exit 137	\$265,372,000
117211	FY21 Curve Delineation – Districtwide	\$854,000
117214	FY21 Centerline Rumble Strips Installation – Districtwide	\$1,014,000
117215	FY21 Edgeline Rumble Strips Installation – Districtwide	\$791,000
117221	Franklin Road Sidewalk Improvements - Rte. 220 B- Phase 2	\$1,791,000
117994	9th Street Multimodal Improvements	\$625,000
117995	Glade Creek Greenway Phase 2B	\$476,000
118858	#SGR22 FY22 Plant Mix Districtwide Primaries	\$1,500,000
119586	Greenway Connection – Riverland Road	\$1,313,000
T23422	FY 23 Curve Delineation – Districtwide	\$8,188,000
T23423	FY 24 Pedestrian Crossing Improvements – Districtwide	\$1,226,000
T23424	FY 23 Unsignalized Intersections – Districtwide	\$222,000
T23425	FY 22 Centerline Rumble Strips Installation – Districtwide	\$209,000
T23426	FY 23 Centerline Rumble Strips Installation – Districtwide	\$209,000
T23427	FY 24 Centerline Rumble Strips Installation – Districtwide	\$209,000
T23428	FY 25 Centerline Rumble Strips Installation – Districtwide	\$209,000
T23429	FY 22 Edgeline Rumble Strips Installation – Districtwide	\$575,000
T23430	FY 23 Edgeline Rumble Strips Installation – Districtwide	\$575,000
T23431	FY 24 Edgeline Rumble Strips Installation – Districtwide	\$1,735,000
T23432	FY 25 Edgeline Rumble Strips Installation – Districtwide	\$575,000
T24579	Orange Market Park and Ride/Parking Lot Improvements	\$344,000
T24740	Route 220 Superstreet Improvement	\$15,461,000

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

###





# Memo

**Date:** October 14, 2021

**From:** Bryan W. Hill, AICP, CZA, Regional Planner III

BWH

**RE: Adjustment to the Transportation Improvement Program—Removal of Erroneously Listed Transit Asset Management (TAM) Plan Performance Measure**

The FY2021-2024 Transportation Improvement Program was administratively modified to delete an erroneously listed Transit Asset Management Plan Performance Measure. In Table 5: Performance Measures and Target Deadlines of section 5.0 - Performance Measures Targets and Table 12: TAM Performance Measures by Asset Category of section 5.4 - Transit Asset Management Performance Measures, the performance measure *Percentage of track segments with performance (speed) restrictions, by mode* is not one adopted by the RVTPO or found in the TAM Plan for Tier 2 transit providers.

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

###

December 16, 2021

Ms. Wendy Jones  
 Director of Finance  
 Greater Roanoke Transit Company  
 1108 Campbell Ave., SE  
 Roanoke, VA 24013

RE: FY 2021-2024 TIP Adjustment Request

Dear Ms. Jones:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to Automatic Vehicle Locator STIP ID GRT0016, to revise obligations as follows: decrease State funding by \$1.7 million in FY21 and increase it by \$1.7 million in FY22. Increase FTA 5339 by \$300K in FY22.

The purpose of the adjustment is to move State planned obligations from FY21 to FY22, and add FTA 5339 funding to FY22 as follows:

**Existing Project**

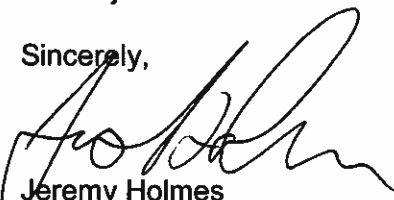
		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>GRT0016</b>	<b>Title: Automatic Vehicle Locator</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
FTA 5339						FTA 5339
State		1,700,000				State
Local						Local
<b>Year Total:</b>	-	<b>1,700,000</b>	-	-	-	<b>Total Funds:</b>
<b>Description:</b>						

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>GRT0016</b>	<b>Title: Automatic Vehicle Locator</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
FTA 5339			300,000			FTA 5339
State			1,700,000			State
Local						Local
<b>Year Total:</b>	-	-	<b>2,000,000</b>	-	-	<b>Total Funds:</b>
<b>Description:</b>		Adjustment 12/16/21: Decrease State by \$1.7 million in FY21 and increase by \$1.7 million in FY22. Increase FTA 5339 by \$300K in FY22.				

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Jeremy Holmes  
 Executive Director

February 2, 2022

Ms. Wendy Jones  
 Director of Finance  
 Greater Roanoke Transit Company  
 1108 Campbell Ave., SE  
 Roanoke, VA 24013

RE: FY 2021-2024 TIP Adjustment Request

Dear Ms. Jones:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to Automatic Vehicle Locator STIP ID GRT0016, to increase FTA 5339 funding by \$17,585 in FY22.

The purpose of the adjustment is to utilize the remaining FY19 FTA 5339 funding in FY22, prior to its imminent lapse, for the purpose of purchasing onboard cameras and screens. The adjustment of FTA 5339 funding to FY22 is as follows:

**Existing Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>GRT0016</b>	Title: Automatic Vehicle Locator		Recipient: <b>Greater Roanoke Transit Company</b>		
FTA 5339			300,000			FTA 5339 300,000
State			1,700,000			State 1,700,000
Local						Local -
<b>Year Total:</b>	-	-	<b>2,000,000</b>	-	-	<b>Total Funds: 2,000,000</b>
Description:	Adjustment 12/16/21: Decrease State by \$1.7 million in FY21 and increase by \$1.7 million in FY22. Increase FTA 5339 by \$300K in FY22.					

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>GRT0016</b>	Title: Automatic Vehicle Locator		Recipient: <b>Greater Roanoke Transit Company</b>		
FTA 5339			317,585			FTA 5339 317,585
State			1,700,000			State 1,700,000
Local						Local -
<b>Year Total:</b>	<b>Adjustment 2/2/22:</b>	-	<b>2,017,585</b>	-	-	<b>Total Funds: 2,017,585</b>
Description:	Adjustment 12/16/21: Decrease State by \$1.7 million in FY21 and increase by \$1.7 million in FY22. Increase FTA 5339 by \$300K in FY22. Adjustment 2/2/22: Increase FTA 5339 by \$17,585 in FY22.					

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Jeremy Holmes  
 Executive Director

March 15, 2022

Mr. Michael Gray  
 Salem District Planning Manager  
 Virginia Department of Transportation  
 731 Harrison Avenue  
 Salem, VA 24153

RE: FY 2021-2024 TIP Adjustment Request

Dear Mr. Gray:

After reviewing your request on 3/12/22, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to UPC# 688 – 13<sup>th</sup> Street Improvements.

The purpose of the adjustment is to update the project cost from \$25,034,586 to \$25,223,724 and reflect the obligation and release of federal funding in FY22.

**Existing Project**

**Roanoke MPO**  
 Urban Projects

UPC NO	688	SCOPE	Reconstruction w/ Added Capacity				
SYSTEM	Urban	JURISDICTION	Roanoke	OVERSIGHT	NFO		
PROJECT	13TH STREET AND HOLLINS ROAD			ADMIN BY	VDOT		
DESCRIPTION	FROM: .024 MILE SOUTH OF CHURCH AVENUE TO: INT. OF NORFOLK AVENUE						
PROGRAM NOTE	TIP ADJ 4-7-21 - add \$7,291 (STP/STBG) FFY21 PE phase; release \$1,252,842 (STP/STBG) FFY21 RW phase; add \$549,585 (STP/STBG), \$172,377 (HIP) & \$6,718,819 (AC-Other) FFY21 CN phase.						
ROUTE/STREET	13TH ST/ HOLLINS RD (U000)			TOTAL COST	\$25,034,586		
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
PE	Federal – STP/STBG	\$1,823	\$7,291	\$0	\$0	\$0	
RW	Federal – STP/STBG	(\$313,211)	(\$1,252,842)	\$0	\$0	\$0	
CN	Federal – HIP/F	\$0	\$172,377	\$0	\$0	\$0	
	Federal – STP/STBG	\$137,396	\$549,585	\$0	\$0	\$0	
<b>CN TOTAL</b>		<b>\$137,396</b>	<b>\$721,962</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	
CN AC	Federal – AC OTHER	\$0	\$6,718,819	\$0	\$0	\$0	

**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

**Adjusted Project**

**Roanoke MPO**  
 Urban Projects

UPC NO	688	SCOPE	Reconstruction w/ 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					
PROGRAM NOTE	FFY22-03 STIP MOD - move \$7,291 (STP/STBG) from FFY21 to FFY22 & add an additional \$74,400 PE phase; add \$45,823 (STP/STBG) FFY22 RW phase; release \$120,223 (STP/STBG) & add \$189,137 (AC-Other) FFY22 CN phase					
ROUTE/STREET	13TH ST (U000)			TOTAL COST	\$25,223,724	
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
PE	Federal – STP/STBG	\$20,423	\$0	\$81,691	\$0	\$0
RW	Federal – STP/STBG	(\$301,755)	(\$1,252,842)	\$45,823	\$0	\$0
CN	Federal – HIP/F	\$0	\$172,377	\$0	\$0	\$0
	Federal – STP/STBG	\$107,341	\$549,585	(\$120,223)	\$0	\$0
<b>CN TOTAL</b>		\$107,341	\$721,962	(\$120,223)	\$0	\$0
CN AC	Federal – AC OTHER	\$0	\$6,718,819	\$189,137	\$0	\$0

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Cristina D. Finch, AICP, LEED AP  
 Director of Transportation



The 26<sup>th</sup> day of May, 2022

## **RESOLUTION**

### **Approving an Amendment to the RVTPO FY 2021-2024 Transportation Improvement Program for the Roanoke County CORTRAN Service**

**WHEREAS**, the Roanoke Valley Transportation Planning Organization (RVTPO) approved the *FY 2021-2024 Transportation Improvement Program* on June 25, 2020; and

**WHEREAS**, the inclusion of transportation projects in the Transportation Improvement Program (TIP) is a condition of federal participation in the funding of that project; and

**WHEREAS**, this amendment to the FY 2021-2024 TIP reflects Roanoke County's request for FTA 5310 Large Urban capital funding for a turnkey set of services to operate its CORTRAN service for seniors and people with disabilities. The Virginia Department of Rail and Public Transportation has recommended this project for inclusion in the Commonwealth Transportation Board's FY23-28 Rail and Public Transportation Six-Year Improvement Program; and

**WHEREAS**, in accordance with the RVTPO's Public Participation Plan, public input has been sought in amending the RVTPO's TIP, feedback has been presented to the Policy Board, and a duly advertised public hearing was held; and

**NOW, THEREFORE BE IT RESOLVED**, that the Roanoke Valley Transportation Planning Organization Policy Board does hereby approve this amendment to the *FY 2021-2024 Transportation Improvement Program* for the Roanoke County CORTRAN Service, as presented.

Billy W. Martin, Sr.  
Chair

**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 Metropolitan Planning Organization**



# Memo

**Date:** July 18, 2022

**From:** Bryan W. Hill, AICP, CZA, Regional Planner III

*BWH*

## RE: Adjustment to the Transportation Improvement Program—Decrease of RADAR Operating Assistance Funds in FY22

The FY2021-2024 Transportation Improvement Program was administratively modified to remove the previous planned obligations for operating assistance to RADAR in FY22. RADAR was not awarded FTA 5310 funds in FY23, hence the reason for decreasing it by \$66,000 and removing \$12,000 in revenues.

### Existing Project

	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID: <b>RAD0001</b>	Title: Operating Assistance		Recipient: <b>RADAR - UHSTS, Inc. Roanoke County</b>		
FTA 5310	84,000	66,000	115,316	115,316	FTA 5310 <b>380,631</b>
State	67,000		92,252	92,252	State <b>251,505</b>
Local	17,000		11,063	11,063	Local <b>39,126</b>
Revenues		12,000	12,000	12,000	Revenues <b>36,000</b>
<b>Year Total:</b>	- <b>168,000</b>	<b>78,000</b>	<b>230,631</b>	<b>230,631</b>	<b>Total Funds: 707,262</b>
Description:	Adjustment 10/5/20: decrease FY21 funding \$62K (decrease FTA 5310 \$31K, decrease State \$25K, increase local \$6K, decrease revenues \$12K). FY22 funding \$142K decrease (decrease FTA 5310 \$49K, decrease State \$92K, and decrease Local \$11K).				

### Adjusted Project

	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID: <b>RAD0001</b>	Title: Operating Assistance		Recipient: <b>RADAR - UHSTS, Inc. Roanoke County</b>		
FTA 5310	84,000		115,316	115,316	FTA 5310 <b>314,631</b>
State	67,000		92,252	92,252	State <b>251,505</b>
Local	17,000		11,063	11,063	Local <b>39,126</b>
Revenues			12,000	12,000	Revenues <b>36,000</b>
<b>Year Total:</b>	- <b>168,000</b>	-	<b>230,631</b>	<b>230,631</b>	<b>Total Funds: 641,262</b>
Description:	Adjustment 10/5/20: decrease FY21 funding \$62K (decrease FTA 5310 \$31K, decrease State \$25K, increase local \$6K, decrease revenues \$12K). FY22 funding \$142K decrease (decrease FTA 5310 \$49K, decrease State \$92K, and decrease Local \$11K). Adjustment: 6/24/22: decrease \$78K in FY22 (FTA 5310 \$66K, Revenues \$12K).				

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

###

September 30, 2022

Mr. Kevin Price  
General Manager  
Greater Roanoke Transit Company  
1108 Campbell Ave., SE  
Roanoke, VA 24013

RE: FY 2021-2024 TIP Adjustment Request – Valley Metro Operating Assistance Funding

Dear Mr. Price:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to Operating Assistance STIP ID GRT0001. The purpose of the adjustment is to adhere to FTA requests to move Valley Metro's available FY 2020 & 2021 5307 funds up to FY23 on the TIP, and move the FY22 amount to FY24. The available amounts by FY are shown in the table below.

RECIPIENT	FY	SEC	AVAILABLE	LAPSE DATE
GRTC (Roanoke)	2020	5307	\$ 2,862,787	2025-Sep-30
GRTC (Roanoke)	2021	5307	\$ 2,791,875	2026-Sep-30
GRTC (Roanoke)	2022	5307	\$ 3,595,308	2027-Sep-30
<b>Total</b>			<b>\$9,249,970</b>	

### Existing Project

	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID: <b>GRT0001</b>	Title: Operating Assistance		Recipient: Greater Roanoke Transit Company		
FTA 5307	2,147,090	2,147,090	2,147,090	2,147,090	FTA 5307 8,588,360
FTA 5311	354,000	1,189,000	354,000	354,000	FTA 5311 2,251,000
State	2,407,236	2,407,236	2,407,236	2,407,236	State 9,628,944
Local	1,566,000	2,250,000	1,566,000	1,566,000	Local 6,948,000
Revenues	2,314,000	2,314,000	2,314,000	2,314,000	Revenues 9,256,000
<b>Year Total:</b>	<b>8,788,326</b>	<b>10,307,326</b>	<b>8,788,326</b>	<b>8,788,326</b>	<b>Total Funds: 36,672,304</b>
Description:	Adjustment 6/2/21: Increase FY22 FTA 5311 funding \$193,000. Adjustment 7/27/22: Increase FY22 funding \$1,284K (increase FTA 5311 \$642K, Local \$684K). Note: This money is no longer planned to be obligated in FFY23, rather in FFY22.				

### Adjusted Project

	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID: <b>GRT0001</b>	Title: Operating Assistance		Recipient: Greater Roanoke Transit Company		
FTA 5307	-	-	5,654,662	5,742,398	FTA 5307 11,397,060
FTA 5311	354,000	1,189,000	354,000	354,000	FTA 5311 2,251,000
State	2,407,236	2,407,236	2,407,236	2,407,236	State 9,628,944
Local	1,566,000	2,250,000	1,566,000	1,566,000	Local 6,948,000
Revenues	2,314,000	2,314,000	2,314,000	2,314,000	Revenues 9,256,000
<b>Year Total:</b>	<b>6,641,236</b>	<b>8,160,236</b>	<b>12,295,898</b>	<b>12,383,634</b>	<b>Total Funds: 39,481,004</b>
Description:	Adjustment 6/2/21: Increase FY22 FTA 5311 funding \$193,000. Adjustment 7/27/22: Increase FY22 funding \$1,284K (increase FTA 5311 \$642K, Local \$684K). Note: This money is no longer planned to be obligated in FFY23, rather in FFY22. Adjustment 9/30/22: decrease FTA 5307 funding by \$2,147,090 in FY21 and FY22; increase by \$3,507,572 in FY23; and \$3,595,308 in FY24 from unspent prior FTA 5307 funding.				

**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



The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,

A handwritten signature in black ink that reads "Cristina D. Finch". The signature is written in a cursive, flowing style.

Cristina D. Finch, AICP, LEED AP  
Director of Transportation

September 30, 2022

Mr. Kevin Price  
 General Manager  
 Greater Roanoke Transit Company  
 1108 Campbell Ave., SE  
 Roanoke, VA 24013

RE: FY 2021-2024 TIP Adjustment Request

Dear Mr. Price:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to Expansion Bus STIP ID GRT0005, to increase FTA 5339 funding by \$353,100 in FY23.

**Existing Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>GRT0005</b>	Title: Expansion Bus		Recipient: Greater Roanoke Transit Company		
FTA 5339						FTA 5339
State			800,000	900,000		State
Local						Local
<b>Year Total:</b>	-	-	<b>800,000</b>	<b>900,000</b>	-	<b>Total Funds:</b>
Description:						<b>1,700,000</b>

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>GRT0005</b>	Title: Expansion Bus		Recipient: Greater Roanoke Transit Company		
FTA 5339				353,100		FTA 5339
State			800,000	900,000		State
Local						Local
<b>Year Total:</b>	-	-	<b>800,000</b>	<b>1,253,100</b>	-	<b>Total Funds:</b>
Description:	Adjustment 9/14/22: increase FTA 5339 by \$353,100 in FY23.					
						<b>2,053,100</b>

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Cristina D. Finch, AICP, LEED AP  
 Director of Transportation

September 30, 2022

Mr. Kevin Price  
 General Manager  
 Greater Roanoke Transit Company  
 1108 Campbell Ave., SE  
 Roanoke, VA 24013

RE: FY 2021-2024 TIP Adjustment Request

Dear Mr. Price:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to Real Time Passenger Information System STIP ID GRT0019, to distinguish the Federal and State STBG match funding amounts. The Adjusted project table below illustrates the 80% Federal/ 20% State match funding and the move from FY21 to FY23 planned obligations.

**Existing Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>GRT0019</b>	Title: Real Time Passenger Information System		Recipient: Greater Roanoke Transit Company		
STBG (Federal)		400,000				STBG (Federal) 400,000
State						State -
Local						Local -
<b>Year Total:</b>	-	<b>400,000</b>	-	-	-	<b>Total Funds: 400,000</b>
Description:						

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>GRT0019</b>	Title: Real Time Passenger Information System		Recipient: Greater Roanoke Transit Company		
STBG (Federal)				320,000		STBG (Federal) 320,000
State				80,000		State 80,000
Local						Local -
<b>Year Total:</b>	-	-	-	<b>400,000</b>	-	<b>Total Funds: 400,000</b>
Description:	Adjustment 9/30/22: decrease STBG (Federal) by \$400,000 in FY21, increase STBG (Federal) by \$320,000 in FY23 and increase State in FY23 by \$80,000.					

The adjusted FY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Cristina D. Finch, AICP, LEED AP  
 Director of Transportation



January 12, 2023

Mr. Kevin Price  
 General Manager  
 Greater Roanoke Transit Company  
 1108 Campbell Ave., SE  
 Roanoke, VA 24013

RE: FFY2021-2024 TIP Adjustment Request

Dear Mr. Price:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FFY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to Operating Assistance STIP ID GRT0001, to reflect an increase of FTA 5307 funding in FFY23. The Adjusted project table below illustrates the increase in FFY23 planned obligations.

**Existing Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>GRT0001</b>	<b>Title: Operating Assistance</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
FTA 5307		2,791,875	2,147,090	3,595,308	2,147,090	FTA 5307 10,681,383
FTA 5311		354,000	547,000	354,000	354,000	FTA 5311 1,609,000
State		2,407,236	2,407,236	2,407,236	2,407,236	State 9,628,944
Local		1,566,000	1,566,000	1,566,000	1,566,000	Local 6,264,000
Revenues		2,314,000	2,314,000	2,314,000	2,314,000	Revenues 9,256,000
<b>Year Total:</b>		<b>9,433,111</b>	<b>8,981,326</b>	<b>10,236,544</b>	<b>8,788,326</b>	<b>Total Funds: 37,439,307</b>
Description:	Adjustment 6/2/21: Increase FY22 FTA 5311 funding \$193,000. Adjustment 7/27/22: Increase FY22 funding \$1,284K (increase FTA 5311 \$642K, Local \$684K). Note: This money is no longer planned to be obligated in FFY23, rather in FFY22. Adjustment 9/30/22 #1: Increase FY21 FTA 5307 funding by \$644,785; and increase FY23 FTA 5307 funding by \$1,448,218, which reflects the actual FTA apportionments.					

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
<b>STIP ID:</b>	<b>GRT0001</b>	<b>Title: Operating Assistance</b>		<b>Recipient: Greater Roanoke Transit Company</b>		
FTA 5307		2,791,875	2,147,090	4,240,997	2,147,090	FTA 5307 11,327,052
FTA 5311		354,000	547,000	354,000	354,000	FTA 5311 1,609,000
State		2,407,236	2,407,236	2,407,236	2,407,236	State 9,628,944
Local		1,566,000	1,566,000	1,566,000	1,566,000	Local 6,264,000
Revenues		2,314,000	2,314,000	2,314,000	2,314,000	Revenues 9,256,000
<b>Year Total:</b>		<b>9,433,111</b>	<b>8,981,326</b>	<b>10,882,233</b>	<b>8,788,326</b>	<b>Total Funds: 38,084,996</b>
Description:	Adjustment 6/2/21: Increase FY22 FTA 5311 funding \$193,000. Adjustment 7/27/22: Increase FY22 funding \$1,284K (increase FTA 5311 \$642K, Local \$684K). Note: This money is no longer planned to be obligated in FFY23, rather in FFY22. Adjustment 9/30/22 #1: Increase FY21 FTA 5307 funding by \$644,785; and increase FY23 FTA 5307 funding by \$1,448,218, which reflects the actual FTA apportionments. Adjustment 1/11/23: Increase FY23 FTA 5307 by \$645,689.					

The adjusted FFY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,

A handwritten signature in black ink that reads "Cristina D. Finch". The signature is written in a cursive style with a large, looped initial "C".

Cristina D. Finch, AICP, LEED AP  
Director of Transportation

January 12, 2023

Mr. Kevin Price  
 General Manager  
 Greater Roanoke Transit Company  
 1108 Campbell Ave., SE  
 Roanoke, VA 24013

RE: FFY2021-2024 TIP Adjustment Request

Dear Mr. Price:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FFY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect changes to Preventative Maintenance STIP ID GRT0002, to remove all FTA 5307 and Local funding in FFY21 and FFY22 and add \$697,968 FTA 5307 and \$174,493 Local funding to FFY23 for a total of \$1,767,082. The adjusted project table below illustrates these changes.

**Existing Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>GRT0002</b>	Title: Preventative Maintenance		Recipient: <b>Greater Roanoke Transit Company</b>		
FTA 5307		715,697	715,697	715,697	715,697	FTA 5307 <b>2,862,788</b>
State		-	-	-	-	State -
Local		178,924	178,924	178,924	178,924	Local <b>715,696</b>
<b>Year Total:</b>	-	<b>894,621</b>	<b>894,621</b>	<b>894,621</b>	<b>894,621</b>	<b>Total Funds: 3,578,484</b>
Description:						

**Adjusted Project**

		FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024
STIP ID:	<b>GRT0002</b>	Title: Preventative Maintenance		Recipient: <b>Greater Roanoke Transit Company</b>		
FTA 5307		-	-	1,413,665	715,697	FTA 5307 <b>2,129,362</b>
State		-	-	-	-	State -
Local		-	-	353,417	178,924	Local <b>532,341</b>
<b>Year Total:</b>	-	-	-	<b>1,767,082</b>	<b>894,621</b>	<b>Total Funds: 2,661,703</b>
Description:	Adjustment 1/12/23: Decrease \$715,697 in FTA 5307 and \$178,924 in Local in FY21; Decrease \$715,697 in FTA 5307 and \$178,924 in Local in FY22; Increase \$697,968 in FTA 5307 and \$174,493 in Local in FY23.					

The adjusted FFY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Cristina D. Finch, AICP, LEED AP  
 Director of Transportation

June 27, 2023

Mr. Michael Gray  
 District Planning Manager, VDOT Salem District  
 731 Harrison Avenue  
 Salem, VA 24153

RE: FFY2021-2024 TIP Adjustment Request

Dear Mr. Gray:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FFY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect total cost changes to three project groupings in order enable VDOT to make some 2023 obligations before the end of FFY 2023.

Per the RVTPO's FFY2021-2024 TIP, sliding scale cost thresholds exist for projects and not project groupings, therefore your request is being processed as an administrative adjustment. The three subject project groupings are:

1. Maintenance: Traffic and Safety Operations
2. Maintenance: Preventive Maintenance for Bridges
3. Maintenance: Preventive Maintenance and System Preservation

The adjusted project tables below illustrate these changes.

### Existing Grouping #1

GROUPING		Maintenance : Traffic and Safety Operations					
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET						TOTAL COST	\$11,824,327
	FUND SOURCE	MATCH	FY24	FY25	FY26	FY27	
CN	Federal - NHS/NHPP	\$0	\$1,278,114	\$1,278,114	\$1,278,114	\$1,278,114	
	Federal - STP/STBG	\$0	\$1,667,582	\$1,674,428	\$1,681,390	\$1,688,471	
CN TOTAL		\$0	\$2,945,696	\$2,952,542	\$2,959,504	\$2,966,585	

### Adjusted Grouping #1

GROUPING		Maintenance : Traffic and Safety Operations					
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET						TOTAL COST	\$18,328,119
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
CN	Federal - NHS/NHPP	\$0	\$0	\$0	\$1,278,114	\$0	
	Federal - STP/STBG	\$0	\$3,095,775	\$4,520,625	\$6,550,338	\$2,883,267	
CN TOTAL		\$0	\$3,095,775	\$4,520,625	\$7,828,452	\$2,883,267	
MPO Note		TIP AMD - add an addit'l \$1,667,582 (STP/STBG), add \$1,278,114 (NHPP) FFY23					

**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

## Existing Grouping #2

GROUPING	Maintenance : Preventive Maintenance for Bridges					
PROGRAM NOTE	Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET					TOTAL COST	\$77,508,932
	FUND SOURCE	MATCH	FY24	FY25	FY26	FY27
CN	Federal - AC CONVERSION	\$0	\$145,000	\$1,428,329	\$0	\$0
	Federal - BR	\$0	\$705,620	\$6,450,972	\$19,947,300	\$11,502,750
	Federal - NHFP	\$0	\$1,166,078	\$1,166,078	\$1,166,078	\$1,166,078
	Federal - NHS/NHPP	\$0	\$1,350,842	\$7,381,798	\$1,350,842	\$1,350,842
	Federal - STP/STBG	\$0	\$3,536,160	\$6,248,910	\$3,558,309	\$3,569,666
CN TOTAL		\$0	\$6,903,700	\$22,676,087	\$26,022,529	\$17,589,336
CN AC	Federal - AC OTHER	\$0	\$3,078,000	\$1,239,280	\$0	\$0

## Adjusted Grouping #2

GROUPING	Maintenance : Preventive Maintenance for Bridges					
PROGRAM NOTE	Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET					TOTAL COST	\$41,906,874
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - BR	\$0	\$1,000,000	\$1,000,000	\$1,861,354	\$1,000,000
	Federal - NHFP	\$0	\$0	\$0	\$1,166,078	\$0
	Federal - NHS/NHPP	\$0	\$2,714,026	\$1,000,000	\$2,350,842	\$1,000,000
	Federal - STP/STBG	\$0	\$4,194,970	\$15,770,480	\$3,733,824	\$5,115,300
CN TOTAL		\$0	\$7,908,996	\$17,770,480	\$9,112,098	\$7,115,300
MPO Note	TIP AMD - add \$1,166,078 (NHFP), add an addit'l \$1,350,842 (NHPP) \$2,674,806 (STP/STBG) & \$861,354 (BR) FFY23					

## Existing Grouping #3

GROUPING	Maintenance : Preventive Maintenance and System Preservation					
PROGRAM NOTE	Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET					TOTAL COST	\$104,336,573
	FUND SOURCE	MATCH	FY24	FY25	FY26	FY27
CN	Federal - NHFP	\$0	\$2,981,154	\$2,981,154	\$2,981,154	\$2,981,154
	Federal - NHS/NHPP	\$0	\$2,049,832	\$2,049,832	\$2,049,832	\$2,049,832
	Federal - STP/STBG	\$0	\$20,922,848	\$21,008,743	\$21,096,099	\$21,184,939
CN TOTAL		\$0	\$25,953,834	\$26,039,729	\$26,127,085	\$26,215,925



**Adjusted Grouping #3**

GROUPING		Maintenance : Preventive Maintenance and System Preservation					
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET						TOTAL COST	\$124,895,474
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24	
CN	Federal - NHFP		\$0	\$2,500,000	\$2,500,000	\$2,981,154	\$0
	Federal - NHS/NHPP		\$0	\$4,399,286	\$13,197,858	\$2,049,832	\$0
	Federal - STP/STBG		\$0	\$26,288,932	\$50,055,564	\$20,922,848	\$0
CN TOTAL			\$0	\$33,188,218	\$65,753,422	\$25,953,834	\$0
MPO Note		TIP AMD - add \$2,981,154 (NHFP), \$2,049,832 & \$20,922,848 (STP/STBG) FFY23					

The adjusted FFY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Bryan W. Hill, AICP, CZA  
 Interim Director of Transportation

August 14, 2023

Mr. Michael Gray  
 District Planning Manager, VDOT Salem District  
 731 Harrison Avenue  
 Salem, VA 24153

RE: FFY2021-2024 TIP Adjustment Request

Dear Mr. Gray:

After reviewing your request, the Roanoke Valley Transportation Planning Organization's (RVTPO) FFY2021-2024 Transportation Improvement Program (TIP) has been administratively modified to reflect total cost changes to two project groupings in order enable VDOT to make some 2023 obligations before the end of FFY 2023.

Per the RVTPO's FFY2021-2024 TIP, sliding scale cost thresholds exist for projects and not project groupings, therefore your request is being processed as an administrative adjustment. The two subject project groupings are:

1. Maintenance: Preventive Maintenance for Bridges
2. Maintenance: Preventive Maintenance and System Preservation

The adjusted project tables below illustrate these changes.

**Existing Grouping #1**

GROUPING	Maintenance : Preventive Maintenance and System Preservation					
PROGRAM NOTE	Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET					TOTAL COST	\$85,964,101
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - NHFP	\$0	\$2,500,000	\$2,500,000	\$0	\$0
	Federal - NHS/NHPP	\$0	\$4,399,286	\$4,399,286	\$4,399,286	\$4,399,286
	Federal - STP/STBG	\$0	\$10,437,163	\$12,855,974	\$17,362,178	\$22,711,642
CN TOTAL		\$0	\$17,336,449	\$19,755,260	\$21,761,464	\$27,110,928

## Adjusted Grouping #1

GROUPING	Maintenance : Preventive Maintenance and System Preservation					
PROGRAM NOTE	Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET					TOTAL COST	\$155,808,922
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - NHFP	\$0	\$2,500,000	\$2,500,000	\$2,981,154	\$0
	Federal - NHS/NHPP	\$0	\$4,399,286	\$13,197,858	\$12,827,946	\$0
	Federal - STP/STBG	\$0	\$26,288,932	\$50,055,564	\$41,058,182	\$0
CN TOTAL		\$0	\$33,188,218	\$65,753,422	\$56,867,282	\$0
MPO Note	TIP AMD - add an addit'l \$7,500,000 (NHPP) FFY23					

## Existing Grouping #2

GROUPING	Maintenance : Preventive Maintenance for Bridges					
PROGRAM NOTE	Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET					TOTAL COST	\$45,370,193
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - BR	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
	Federal - NHS/NHPP	\$0	\$2,714,026	\$1,000,000	\$1,000,000	\$1,000,000
	Federal - STP/STBG	\$0	\$13,711,369	\$8,692,278	\$7,776,634	\$5,475,886
CN TOTAL		\$0	\$17,425,395	\$10,692,278	\$9,776,634	\$7,475,886

## Adjusted Grouping #2

MPO	Roanoke					
GROUPING	Maintenance : Preventive Maintenance for Bridges					
PROGRAM NOTE	Funding identified to be obligated districtwide as projects are identified.					
ROUTE/STREET					TOTAL COST	\$41,908,874
	FUND SOURCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - BR	\$0	\$1,000,000	\$1,000,000	\$1,861,354	\$1,000,000
	Federal - NHFP	\$0	\$0	\$0	\$1,166,078	\$0
	Federal - NHS/NHPP	\$0	\$2,714,026	\$1,000,000	\$2,350,842	\$1,000,000
	Federal - STP/STBG	\$0	\$4,194,970	\$15,770,480	\$3,733,824	\$5,115,300
CN TOTAL		\$0	\$7,908,996	\$17,770,480	\$9,112,098	\$7,115,300
MPO Note	FFY23-10 STIP AMD - add \$1,166,078 (NHFP), add an addit'l \$1,350,842 (NHPP) \$2,674,806 (STP/STBG) & \$861,354 (BR) FFY23					

The adjusted FFY2021-2024 TIP can be found on our website at [www.rvtpo.org](http://www.rvtpo.org).

Sincerely,



Bryan W. Hill, AICP, CZA  
Interim Director of Transportation

**APPENDIX G – Surface Transportation Block Grant Project Development and Selection Procedures**



**Roanoke Valley Transportation**  
**PLANNING ORGANIZATION**  
Staffed by the  
**REGIONAL**commission

# **Surface Transportation Block Grant Program: Roanoke Valley Urbanized Area Suballocation Funding**

*(Previously called RSTP-Regional Surface Transportation Program)*

## **Project Development and Selection Procedures**

### Approved Revisions:

Adjusted 7-22-21  
Adjusted 2-25-21  
Updated 4-25-19  
Adjusted 9-28-17  
Adjusted 6-22-17  
Updated 4-28-16  
Updated 6-26-14  
Approved 3-28-13

## **NON-DISCRIMINATION**

The Roanoke Valley Transportation Planning Organization (RVTPO) strives to comply with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. For more information, or to obtain a Discrimination Complaint Form, see [www.rvarc.org](http://www.rvarc.org) or call (540) 343-4417.

The RVTPO will provide reasonable accommodations and services for persons who require special assistance to participate in public involvement opportunities. Contact the Public Involvement and Community Outreach Coordinator at (540) 343-4417 for more information.

## **ACKNOWLEDGMENTS**

This document was prepared in cooperation with the U.S. Department of Transportation (USDOT), Federal Highway Administration (FHWA), Federal Transit Administration (FTA), Virginia Department of Transportation (VDOT), Virginia Department of Rail and Public Transportation (DRPT), and Greater Roanoke Transit Company (GRTC), and member local governments. The contents of this report reflect the views of the Roanoke Valley Transportation Planning Organization (RVTPO). The RVTPO 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 FHWA, FTA, VDOT, DRPT or GRTC or the member local governments. This report does not constitute a standard, specification, or regulation. FHWA, FTA, VDOT, DRPT, GRTC or the member local governments 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.

**RVTPO Policy Board**

Billy Martin, Sr., Chair	Botetourt County Board of Supervisors
Phil North, Vice Chair	Roanoke County Board of Supervisors
Steve Clinton	Botetourt County Board of Supervisors
Robert L. Jeffrey, Jr.	Roanoke City Council
Mickey Johnson	Bedford County Board of Supervisors
Steve Fijalkowski	Montgomery County Board of Supervisors
Stephanie Moon Reynolds	Roanoke City Council
Bill Jones	Salem City Council
Ken King, PE	Virginia Department of Transportation – Salem District
Keith Liles	Vinton Town Council
Kevin Price	Greater Roanoke Transit Company
David Radford	Roanoke County Board of Supervisors
Dan Sonenklar	Virginia Department of Rail and Public Transportation
Mike Stovall	Vinton Town Council
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J. Lee E. Osborne	Roanoke Valley-Alleghany Regional Commission
Benjamin W. Tripp, AICP	Chair, Transportation Technical Committee
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Cody Sexton	Town of Vinton Chief Administrative Official Designee
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Nathan Sanford	Unified Human Services Transportation Systems, Inc.
David Givens	Botetourt County
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**Non-Voting Members:**

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-------------	--------------------------------

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Bryan W. Hill, AICP, CZA	Regional Planner III
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The 22<sup>nd</sup> day of July 2021

## RESOLUTION

**By the Policy Board of the Roanoke Valley Transportation Planning Organization  
Approving Adjustments to the Surface Transportation Block Grant Program: Roanoke Valley  
Urbanized Area Suballocation Funding Project Development and Selection Procedures**

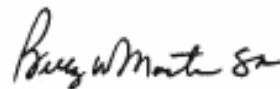
**WHEREAS**, the Roanoke Valley Transportation Planning Organization (RVTPO) is a Transportation Management Area (TMA) as classified by the Federal Government; and

**WHEREAS**, the RVTPO Policy Board has the opportunity and responsibility to prioritize the Surface Transportation Block Grant – Urbanized Areas with Population over 200,000 (STBG) funds allocated by the Federal Government to the Roanoke region for eligible projects within the Roanoke Valley Study Area boundary; and

**WHEREAS**, the STBG Project Development and Selection Procedures document serves as a guide to applicants, staff, and stakeholders regarding opportunities to apply for funding, financial adjustments to previously approved projects, policies related to the allocation and use of funds, the scheduling of related activities, and the process for the Policy Board's selection of projects; and

**WHEREAS**, the RVTPO Policy Board members have reviewed the adjustments to the STBG Project Development and Selection Procedures and will use the Procedures to guide transportation investment decisions using STBG funds.

**NOW, THEREFORE BE IT RESOLVED** that the Roanoke Valley Transportation Planning Organization Policy Board does hereby approve the Surface Transportation Block Grant Project Development and Selection Procedures, as presented.



Billy W. Martin, Sr.  
Chair

**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 Metropolitan Planning Organization**

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## **1. INTRODUCTION**

This document describes the process the Roanoke Valley Transportation Planning Organization (RVTPO) will undertake to select transportation projects funded by the Roanoke Valley's apportionment of the Fixing America's Surface Transportation (FAST) Act's Surface Transportation Block Grant Program suballocation for urbanized areas with greater than 200,000 population, previously referred to as the Regional Surface Transportation Program (RSTP), herein after referred to as STBG. Projects funded through STBG will be included in the RVTPO's Transportation Improvement Program (TIP).

RVTPO's STBG project selection is a cooperative process among the members of the RVTPO. The procedure for prioritizing and selecting projects includes the submittal of candidate projects by RVTPO members and development of a prioritized candidate project list by the RVTPO Transportation Technical Committee (TTC). A numeric rating procedure is used to rate each candidate project based on the criteria established by the RVTPO Policy Board and updated at its discretion. The results of the ratings and project recommendations are reported to the RVTPO Policy Board for funding consideration. The RVTPO Policy Board considers the recommendations from the TTC and selects the final recommended list of STBG projects for submittal to the Commonwealth Transportation Board for approval as part of the Six-Year Improvement Program. Amendments to 23 U.S.C funded projects, and in particular STBG funded projects, must be approved by the Commonwealth Transportation Board. This project selection process, as outlined above, is consistent with 23 U.S.C. section 134(j)(3) and (5)(a), and 23 CFR 450.330 included in Appendix A for reference.

The procedures outlined in this document are effective immediately following the RVTPO Policy Board's approval of them. Unused funds allocated from previous procedures will be re-allocated using these procedures and any exceptions to these procedures are as outlined in Section 3 General Policies.

## **2. PROJECT DEVELOPMENT**

This section further describes how the legislation within 23 U.S.C. 133 – Surface transportation block grant program – applies to the RVTPO's regional apportionment of STBG in terms of who can apply for funds and project eligibility. STBG funds are apportioned by the State to the Metropolitan Planning Areas (MPAs) that have Transportation Management Area (TMA) status within Virginia. Metropolitan Planning Organizations, like the RVTPO, are responsible for selecting projects for STBG funding.

### **2.1 Eligible Applicants**

Eligible applicants (candidate project sponsors) of STBG funds in the Roanoke Valley Area include the RVTPO Policy Board member local governments who have all or a portion of their territory in the RVTPO Study Area Boundary, Greater Roanoke Transit Company (GRTC – "Valley Metro"), Unified Human Services Transportation Systems, Inc. (RADAR), the Roanoke-Blacksburg Regional Airport, the Virginia Department of Transportation (VDOT), and the Virginia Department of Rail and Public Transportation (DRPT).

## **2.2 Eligible Projects**

STBG funding is intentionally very flexible in how it can support transportation investments. The list of eligible projects and activities per 23 U.S.C. 133 is listed in Appendix B as stated in the Federal Highway Administration's STBG implementation guidance from March 7, 2016.

Candidate projects are often parts of larger efforts that incorporate transportation, housing, economic development, education and/or urban policy elements. It can be difficult to determine, with certainty, the likely eligibility of specific candidate projects simply by reading the eligibility guidance in Appendix B. Project sponsors who would like to determine eligibility before taking the time and expense of applying for STBG funds are invited to send RVTPO staff a summary of the candidate project idea. RVTPO staff will coordinate with FHWA or FTA staff to confirm eligibility.

An application form for new candidate projects is provided in a separate document available online via [rvtpo.org](http://rvtpo.org).

## **3. GENERAL POLICIES**

- 1) Projects must be identified in or qualify for inclusion in the current RVTPO Constrained Long-Range Multimodal Transportation Plan (CLRMTMP) available online via [rvtpo.org](http://rvtpo.org).
- 2) A construction project must be a permanent improvement and not temporary construction that must be replaced in the near future.
- 3) Funds allocated for the candidate project must be federally obligated within 12 months of allocation and expended within 36 months of such obligation.
- 4) Pursuant to the two-year application process, the RVTPO will approve a financial plan of projects receiving committed or conditionally committed STBG funding. The distinction between committed vs. conditionally committed funding will be made clear within the financial plan which reflects the distribution of anticipated annual allocations among the projects for up to seven years. Projects not yet funded within the plan may be considered in priority order during an adjustment cycle if additional funding becomes available, or they will have to re-compete with the new candidate projects in the next application and scoring process.
- 5) After coordination with and consent of affected project sponsors RVTPO staff are authorized to make administrative changes to the year of expenditure of allocated funds in accordance with the RVTPO Transportation Improvement Program's adjustment procedures and without approval of the RVTPO Policy Board when such change would not impact the project's total allocation of committed or conditionally committed funds. Changes to the project's total allocation of committed or conditionally committed funds must be approved by the Policy Board.
- 6) The RVTPO Policy Board strongly advises that no STBG application constitute more than two years of STBG funding (Note: the term two-years should be interpreted to mean an equivalent lump sum.).

- 7) Additional funding requests for existing STBG projects will be considered annually during the adjustment process and are due at the time annual project updates are submitted to staff. During the bi-annual application process, a decision will be made regarding additional funding requests for existing STBG projects before committing unallocated funds to new projects.
- 8) The RVTPO Policy Board encourages applications requesting STBG funds to be used as a match to leverage funding from other potential transportation project funding sources (e.g. SMART SCALE, Revenue Sharing, Transportation Alternatives, etc.).
- 9) The RVTPO Policy Board will work to develop and maintain a top priority list of projects (e.g., Top Ten List) similar in format and purpose found in the recent 2018 Transportation Project Prioritization for Economic Development and Growth (TED Study). Additional regional priority projects and initiatives beyond the top priorities may also be listed and recognized as regional priorities. Candidate projects that are deemed consistent with these established regional priorities may be programmed in the financial plan with conditionally committed STBG funding in an effort to leverage other funding sources, such as SMART SCALE funding, in order to fully fund the project(s) through construction.
- 10) Project sponsors that are unsuccessful in securing funds to fully fund the project within the timeframe outlined in their STBG application may be required to re-compete for STBG funds, and the RVTPO Policy Board may de-allocate or adjust the timing of the funds.
- 11) Requests for new projects that occur outside of the project application process may be considered by the RVTPO Policy Board if urgent unforeseen circumstances have arisen that prevented the request from being initiated prior to the deadlines for new project applications. Under such circumstances, the RVTPO Policy Board may direct the TTC to review the request and recommend their findings to the Policy Board.

#### **4. APPLICATION PROCESS**

There will be an opportunity to submit new applications for candidate projects in September of each odd-numbered calendar year. The timing of receiving and determining new candidate project funding requests will enable decisions to be made prior to submission of any related SMART SCALE application.

TTC members will score all projects – including their own applications; staff will administer the process and not score projects. The TTC will review scoring results and recommend multi-year project allocations.

The RVTPO Policy Board will review candidate project scoring results and prioritization as well as the TTC's recommended multi-year project allocations before approving the six-year STBG financial plan for project allocations. A prioritized list of candidate projects applied for but not programmed for funding will be maintained by RVTPO staff in case additional funding becomes available. Such projects may be considered for programming during the annual adjustment process.

#### **4.1 STBG Project Prioritization and Programming**

For each STBG new application cycle, the scoring results are presented to the RVTPO Policy Board and the public. The RVTPO Policy Board provides guidance on program development, and the TTC develops a draft six-year STBG financial plan based on RVTPO Policy Board direction and the STBG scoring results. A public comment period and public hearing allows the public to comment on the draft STBG financial plan, including the scoring results for individual projects. The RVTPO Policy Board takes into account public comments regarding the draft STBG financial plan, ultimately approving the final STBG financial plan for implementation.

Once the scoring is complete, the TTC develops a recommended funding scenario based on scoring results and any other factors deemed relevant to be forwarded to the RVTPO Policy Board. The RVTPO Policy Board may modify the funding scenario recommended by the TTC. Additional considerations that may be used by the RVTPO Policy Board include:

- Public feedback from the public comment period and / or public hearing
- TTC project scores or staff's recommended changes to the draft funding scenario
- Project segmentation – starting the next phase of a multi-segment roadway improvement, e.g., to complete a major multi-segment project; and
- Other information on project status.

The prioritization process does not require that the RVTPO Policy Board fund projects in order of their scores. Further, the RVTPO Policy Board is not required to select the highest scoring project. The process is a means to assist the RVTPO Policy Board members in evaluating and comparing proposed improvements. The RVTPO Policy Board continues to retain final decision-making authority on improvements to be included in the RVTPO's six-year STBG financial plan.

The following table shows the tentative schedule for submitting and selecting projects for STBG funding as well as requesting any increases in funding for existing projects.

**Table 4.1-1: Tentative Schedule for STBG Funding Decisions**

<b>Action #</b>	<b>Description</b>	<b>Month</b>
1	Applications for new candidate projects due to staff. Application forms and submittal instructions are available on rvtpo.org.	September (by 5:00 p.m. of the last Friday of the month.)
2	Current project sponsors submit to staff an update form on project progress and funding. Any additional funding requests are due on the form at this time.	November (by 5:00 p.m. of the first Friday of the month.)
3	TTC Members score/rank candidate projects which will be due one week after the November TTC meeting.	November
4	RVTPO Policy Board is presented an overview of all candidate projects.	November/December
5	TTC reviews status of existing STBG projects, considers scores and ranking of candidate project applications, and recommends a priority list of investments for existing and candidate projects.	December/January
6	TTC recommends a draft six-year STBG financial plan based on the status of existing projects and the priority list of investments.	December/January
7	RVTPO Policy Board reviews the draft six-year financial plan, approves its release for public comment and a public hearing.	January
8	RVTPO Policy Board holds a public hearing, makes any necessary adjustments to the six-year financial plan, and approves the plan.	March-May

**4.2 New Candidate Project Scoring Categories**

Each TTC member will have the opportunity to score all candidate projects using the following scoring categories (A-L). Guidance is provided in each category to help the TTC members compare the value of the candidate projects relative to each other. The guidance provided for each category is derived from the federal planning factors. For additional guidance, applicants may refer to the RVTPO’s performance measure targets. The number of total candidate project applications in the current cycle will determine the total number of points for each scoring category.

For example, if there are 12 candidate project applications submitted, for each scoring category, the TTC member will consider the worth of each project in relation to the other 11 projects and give the project a score ranking from 12 (best meets the criteria based on the guidance provided) to 1 (least meets the criteria based on the guidance provided).

- A. Regional Project Consideration** (worth double the score) – Assessed on the extent to which the project is consistent with the Constrained Long-Range Multimodal Transportation Plan, benefits, impacts and/or is sponsored by more than one eligible recipient. A combination of these factors will be used to assess point value.
- B. Support the Economic Vitality of the Metropolitan Area Especially by Enabling Global Competitiveness, Productivity, and Efficiency** - (e.g. project serves a corridor with commercial and/or industrial development growth by adding capacity with improvements such as adding travel lanes to existing streets, new interchanges or bridge replacement/widening)
- C. Increase the Safety and Security of the Transportation System for Motorized and Non-motorized Users** - (e.g. project includes provision to help prevent accidents, reduce fatalities and serious injuries on roadways, such as railroad crossings, or pedestrian safety/security)
- D. Increase the Accessibility and Mobility of People and Freight** - (e.g. project includes provision for improvements such as transit capital acquisition, intermodal connection, park & ride lots, carpool/vanpool projects, bike lanes or sidewalk modifications to comply with the Americans with Disability Act of 1990)
- E. Protect and Enhance the Environment, Promote Energy Conservation, Improve the Quality of Life, and Promote Consistency between Transportation Improvements and State and Local Planned Growth and Economic Development Patterns** - (e.g. project includes provision for improvements that involve the reduction of fuel consumption, wetlands mitigation or improve natural wildlife habitats)
- F. Promote Efficient System Management and Operation** - (e.g. project includes provision for improvements such as congestion/management systems, signal coordination, turn lanes and intelligent transportation system applications)
- G. Emphasize the Preservation of the Existing Transportation System** - (e.g. project includes provision for multimodal system preservation, such as resurfacing, rehabilitation of pavement, roadway or bridge replacement, replace/improve transit revenue vehicles, non-revenue vehicles, or transit facilities that are close to exceeding their useable lifespan)
- H. Improve the Resiliency and Reliability of the Transportation System and Reduce or Mitigate Stormwater Impacts of Surface Transportation** – (e.g. project improves the transportation system’s ability to accommodate unexpected incidents, weather events, etc.; improve travel time, and/or improve stormwater flow)
- I. Enhance travel and tourism** – (e.g. project improves people’s ability to visit the Roanoke Valley and access destinations of interest)
- J. Enhance Land Use Coordination** - (e.g. project supports improved multimodal connectivity to existing or planned development)
- K. Demonstrate Project Readiness** - (e.g. consider previous work done or the extent to which work needs to be done to get the project ready for construction)
- L. Project included in previous plans that had a public input process associated with the plan** - (e.g. local plans or other regional plans)



## **5. ANNUAL ADJUSTMENT PROCESS**

TTC will annually consider changes (with the exception of situations that fall under Policy #5) to existing projects and recommend changes to the RVTPO Policy Board. The RVTPO Policy Board will have final decision-making authority on all annual adjustments.

### **5.1 Cost Estimates and Cost Overruns**

Basic considerations for cost overruns are as follows:

- a. If the cost/annual allocation and the scope of a project changes less than 10% on any one STBG funded project, the locality/agency should notify the RVTPO staff with a request and justification for a change in funding. The TTC will review the request and recommend use of any applicable balance entry reserve account or, if possible, recommend committing future year funding to preserve the project to the RVTPO Policy Board.
- b. If the cost/annual allocation and/or scope of the project changes by more than 10% on any one STBG funded project, the locality/agency should notify the RVTPO staff with a request and justification for a change in funding and/or scope. The TTC and RVTPO Policy Board will review the request and may recommend one or any combination of the following:
  - 1) Scale back the project;
  - 2) Use local funds;
  - 3) Use of SMART SCALE funds;
  - 4) Use STBG balance entry reserve account funds (if available);
  - 5) Use existing STBG funds from another project (either at the suggestion of the project sponsor from another STBG project awarded to the same project sponsor; or at the discretion of the RVTPO Policy Board from all projects);
  - 6) Use future STBG allocations (in the form of a Phase II application to be evaluated during a future candidate list and rating);
  - 7) Use future non-STBG funds;
  - 8) Drop the project

All project candidates were originally scored using the same procedures in a fair and transparent process. The fact that a particular project sponsor (locality or agency) underestimates project costs should not unduly adversely affect funding availability allocated to other projects also funded through the process of these selection procedures and final decision of the RVTPO Policy Board.

### **5.2 Transfer of Unused Funds**

The re-allocation of unused STBG allocations on completed or cancelled projects will be determined by the RVTPO Policy Board. In general, if there are unused STBG funds allocated to a project that has been completed or cancelled, upon notification by the project sponsor, staff will place the funds into the balance entry account (a holding account for future use). The use of balance entry funds for existing or new projects will be determined during the processes described in sections 4 and 5.3.

### **5.3 Adjustment Process Tentative Schedules**

The schedule for considering funding increases for existing projects during new project application years is included in the schedule provided previously in Table 4.1-1. The following table 5.3-1 shows the tentative schedule for making funding adjustments to existing STBG projects when no new candidate projects are being considered.

**Table 5.3-1: Tentative Schedule for STBG Funding Decisions**

<b>Action #</b>	<b>Description</b>	<b>Month</b>
1	Annually, current project sponsors submit to staff an update on project progress and funding. Any additional funding requests are due on the form at this time.	November (by 5:00 p.m. of the first Friday of the month.)
2	Staff presents current project status to TTC. TTC recommends any funding increases for existing projects. RVTPO Policy Board reviews status of current projects and any funding increase recommendations. RVTPO Policy Board schedules a public hearing prior to approving any increases in funding.	December/January
3	If needed, the RVTPO Policy Board holds a public hearing. RVTPO approves six-year financial plan.	March-May

Project adjustments related to the schedule of allocations may be considered at other times of the year as noted in Policy #5.

During the annual adjustment process, staff will work with current project sponsors to review the project status and additional funding needs of projects with some prior year allocation. The TTC will review this information and, where additional funds are requested, will make a recommendation to the RVTPO Policy Board.

## **APPENDIX A – Project Selection Process Consistency**

### 23 U.S.C. section 134(j)(3):

#### (3) INCLUDED PROJECTS.—

(A) PROJECTS UNDER THIS TITLE AND CHAPTER 53 OF TITLE 49.—A TIP developed under this subsection for a metropolitan area shall include the projects within the area that are proposed for funding under chapter 1 of this title and chapter 53 of title 49.

(B) PROJECTS UNDER CHAPTER 2.— (i) REGIONALLY SIGNIFICANT PROJECTS.— Regionally significant projects proposed for funding under chapter 2 shall be identified individually in the transportation improvement program. (ii) OTHER PROJECTS.—Projects proposed for funding under chapter 2 that are not determined to be regionally significant shall be grouped in one line item or identified individually in the transportation improvement program.

(C) CONSISTENCY WITH LONG-RANGE TRANSPORTATION PLAN.—Each project shall be consistent with the long-range transportation plan developed under subsection (i) for the area.

(D) REQUIREMENT OF ANTICIPATED FULL FUNDING.—The program shall include a project, or an identified phase of a project, only if full funding can reasonably be anticipated to be available for the project or the identified phase within the time period contemplated for completion of the project or the identified phase.

### 23 U.S.C. section 134 (j)(5)(a):

#### (5) SELECTION OF PROJECTS.—

(A) IN GENERAL.—Except as otherwise provided in subsection (k)(4) and in addition to the TIP development required under paragraph (1), the selection of federally funded projects in metropolitan areas shall be carried out, from the approved TIP—

(i) by—

(I) in the case of projects under this title, the State; and

(II) in the case of projects under chapter 53 of title 49, the designated recipients of public transportation funding; and

(ii) in cooperation with the metropolitan planning organization.

### 23 CFR 450.330 TIP action by the FHWA and the FTA.

(a) The FHWA and the FTA shall jointly find that each metropolitan TIP is consistent with the metropolitan transportation plan produced by the continuing and comprehensive transportation process carried on cooperatively by the MPO, the State(s), and the public transportation operator(s) in accordance with 23 U.S.C. 134 and 49 U.S.C. 5303. This finding shall be based on the self-certification statement submitted by the State and MPO under §450.336, a review of the metropolitan transportation plan by the FHWA and the FTA, and upon other reviews as deemed necessary by the FHWA and the FTA.

(b) In nonattainment and maintenance areas, the MPO, as well as the FHWA and the FTA, shall determine conformity of any updated or amended TIP, in accordance with 40 CFR part 93. After the FHWA and the FTA issue a conformity determination on the TIP, the TIP shall be incorporated, without change, into the STIP, directly or by reference.

(c) If an MPO has not updated the metropolitan transportation plan in accordance with the cycles defined in §450.324(c), projects may only be advanced from a TIP that was approved

and found to conform (in nonattainment and maintenance areas) prior to expiration of the metropolitan transportation plan and meets the TIP update requirements of §450.326(a). Until the MPO approves (in attainment areas) or the FHWA and the FTA issue a conformity determination on (in nonattainment and maintenance areas) the updated metropolitan transportation plan, the MPO may not amend the TIP.

(d) In the case of extenuating circumstances, the FHWA and the FTA will consider and take appropriate action on requests to extend the STIP approval period for all or part of the TIP in accordance with §450.220(b).

(e) If an illustrative project is included in the TIP, no Federal action may be taken on that project by the FHWA and the FTA until it is formally included in the financially constrained and conforming metropolitan transportation plan and TIP.

(f) Where necessary in order to maintain or establish operations, the FHWA and the FTA may approve highway and transit operating assistance for specific projects or programs, even though the projects or programs may not be included in an approved TIP.

## **APPENDIX B – Project Eligibility**

Project eligibility is listed in 23 USC 133 – electronically available here:

<https://www.gpo.gov/fdsys/pkg/USCODE-2017-title23/pdf/USCODE-2017-title23-chap1-sec133.pdf>

The below is copied from FHWA’s Surface Transportation Block Grant Program (STBG) Implementation Guidance dated 3-7-16 which reflects the eligibility information from 23 USC 133.

### **D. ELIGIBILITY**

#### **1. Eligible Projects and Activities:**

- a. Location of Projects (23 U.S.C. 133(c)): STBG projects may not be undertaken on a road functionally classified as a local road or a rural minor collector unless the road was on a Federal-aid highway system on January 1, 1991, except-

- (1) For a bridge or tunnel project (other than the construction of a new bridge or tunnel at a new location);
- (2) For a project described in 23 U.S.C. 133(b)(4)-(11) and described below under "Eligible Activities" (b)(4) through (11);
- (3) For transportation alternatives projects described in 23 U.S.C. 101(a)(29) before enactment of the FAST Act (these are described in 23 U.S.C. 133(h) and in separate TA Set-Aside guidance.); and
- (4) As approved by the Secretary.

- b. Eligible Activities (23 U.S.C. 133(b)): Subject to the location of projects requirements in paragraph (a), the following eligible activities are listed in 23 U.S.C. 133(b):

- (1) Construction, as defined in 23 U.S.C. 101(a)(4), of the following:

- i. Highways, bridges, and tunnels, including designated routes of the Appalachian development highway system and local access roads under 40 U.S.C. 14501;
- ii. Ferry boats and terminal facilities eligible under 23 U.S.C. 129(c);
- iii. transit capital projects eligible under chapter 53 of title 49, United States Code;
- iv. Infrastructure-based intelligent transportation systems capital improvements, including the installation of vehicle-to-infrastructure communication equipment;
- v. Truck parking facilities eligible under Section 1401 of MAP-21 (23 U.S.C. 137 note); and

vi. Border infrastructure projects eligible under Section 1303 of SAFETEA-LU (23 U.S.C. 101 note).

(2) Operational improvements and capital and operating costs for traffic monitoring, management, and control facilities and programs. Operational improvement is defined in 23 U.S.C. 101(a)(18).

(3) Environmental measures eligible under 23 U.S.C. 119(g), 328, and 329, and transportation control measures listed in Section 108(f)(1)(A) (other than clause (xvi) of that section) of the Clean Air Act (42 U.S.C. 7408(f)(1)(A)).

(4) Highway and transit safety infrastructure improvements and programs, including railway-highway grade crossings.

(5) Fringe and corridor parking facilities and programs in accordance with 23 U.S.C. 137 and carpool projects in accordance with 23 U.S.C. 146. Carpool project is defined in 23 U.S.C. 101(a)(3).

(6) Recreational trails projects eligible under 23 U.S.C. 206, pedestrian and bicycle projects in accordance with 23 U.S.C. 217 (including modifications to comply with accessibility requirements under the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.)), and the Safe Routes to School Program under Section 1404 of SAFETEA-LU (23 U.S.C. 402 note).

(7) Planning, design, or construction of boulevards and other roadways largely in the right-of-way of former Interstate System routes or other divided highways.

(8) Development and implementation of a State asset management plan for the National Highway System (NHS) and a performance-based management program for other public roads.

(9) Protection (including painting, scour countermeasures, seismic retrofits, impact protection measures, security countermeasures, and protection against extreme events) for bridges (including approaches to bridges and other elevated structures) and tunnels on public roads, and inspection and evaluation of bridges and tunnels and other highway assets.

(10) Surface transportation planning programs, highway and transit research and development and technology transfer programs, and workforce development, training, and education under chapter 5 of title 23, United States Code.

(11) Surface transportation infrastructure modifications to facilitate direct intermodal interchange, transfer, and access into and out of a port terminal.

(12) Projects and strategies designed to support congestion pricing, including electronic toll collection and travel demand management strategies and programs.

(13) Upon request of a State and subject to the approval of the Secretary, if Transportation Infrastructure Finance and Innovation Act (TIFIA) credit assistance is approved for an STBG-eligible project, then the State may use STBG funds to pay the subsidy and administrative costs associated with providing Federal credit assistance for the projects.

(14) The creation and operation by a State of an office to assist in the design, implementation, and oversight of public-private partnerships eligible to receive funding under title 23 and chapter 53 of title 49, United States Code, and the payment of a stipend to unsuccessful private bidders to offset their proposal development costs, if necessary to encourage robust competition in public-private partnership procurements.

(15) Any type of project eligible under 23 U.S.C. 133 as in effect on the day before the FAST Act was enacted. Among these are:

- i. Replacement of bridges with fill material;
- ii. Training of bridge and tunnel inspectors;
- iii. Application of calcium magnesium acetate, sodium acetate/formate, or other environmentally acceptable, minimally corrosive anti-icing and deicing compositions for bridges (and approaches to bridges and other elevated structures) and tunnels;
- iv. Projects to accommodate other transportation modes continue to be eligible pursuant to 23 U.S.C. 142(c) if such accommodation does not adversely affect traffic safety;
- v. Transit capital projects eligible for assistance under chapter 53 of title 49, United States Code, including vehicles and facilities (publicly or privately owned) that are used to provide intercity passenger bus service;
- vi. Approach roadways to ferry terminals to accommodate other transportation modes and to provide access into and out of the ports;
- vii. Transportation alternatives previously described in 23 U.S.C. 101(a)(29) and described in 23 U.S.C. 213;
- viii. Projects relating to intersections having disproportionately high accident rates, high levels of congestion (as evidenced by interrupted traffic flow at the intersection and a level of service rating of "F" during peak travel hours, calculated in accordance with the Highway Capacity Manual), and are located on a Federal-aid highway;
- ix. Construction and operational improvements for any minor collector if the minor collector and the project to be carried out are in the same corridor and in proximity to an NHS route; the construction or improvements will enhance the level of service on the NHS route and

improve regional traffic flow; and the construction or improvements are more cost-effective, as determined by a benefit-cost analysis, than an improvement to the NHS route;

x. Workforce development, training, and education activities discussed in 23 U.S.C. 504(e);

xi. Advanced truck stop electrification systems. Truck stop electrification system is defined in 23 U.S.C. 101(a)(32);

xii. Installation of safety barriers and nets on bridges, hazard eliminations, projects to mitigate hazards caused by wildlife;

xiii. Electric vehicle and natural gas vehicle infrastructure in accordance with 23 U.S.C. 137;

xiv. Data collection, maintenance, and integration and the costs associated with obtaining, updating, and licensing software and equipment required for risk-based asset management and performance based management, and for similar activities related to the development and implementation of a performance based management program for other public roads;

xv. Construction of any bridge in accordance with 23 U.S.C. 144(f) that replaces any low water crossing (regardless of the length of the low water crossing); any bridge that was destroyed prior to January 1, 1965; any ferry that was in existence on January 1, 1984; or any road bridge that is rendered obsolete as a result of a Corps of Engineers flood control or channelization project and is not rebuilt with funds from the Corps of Engineers. Not subject to the Location of Project requirement in 23 U.S.C. 133(c); and

xvi. Actions in accordance with the definition and conditions in 23 U.S.C. 144(g) to preserve or reduce the impact of a project on the historic integrity of a historic bridge if the load capacity and safety features of the historic bridge are adequate to serve the intended use for the life of the historic bridge. Not subject to the Location of Project requirement in 23 U.S.C. 133(c).



**APPENDIX H – RVTPO Surface Transportation Block Grant  
Programming Decisions**

The 24<sup>th</sup> day of November 2020

## **RESOLUTION**

**by the Policy Board of the Roanoke Valley Transportation Planning Organization  
Approving Adjustment #1 to the FY 2021-2026 Surface Transportation Block Grant (STBG)  
Financial Plan**

**WHEREAS**, the RVTPO Policy Board has the opportunity and responsibility to prioritize Surface Transportation Block Grant (STBG), formerly known as Regional Surface Transportation Program (RSTP), funds for essential transportation improvements within the Roanoke Valley TPO Study Area Boundary; and,

**WHEREAS**, the RVTPO Policy Board approved the FY21-26 STBG Six-Year Financial Plan on June 25, 2020, and the Virginia Department of Transportation (VDOT) has since requested an adjustment to the timing of STBG funding allocations for the following SMART SCALE Round 4 candidate projects:

- **Route 220 Superstreet and Access Management**
  - Remove \$100,000 from FY22 and add it to FY23
- **Route 419 Streetscape Improvements, Phase 2**
  - Remove \$100,000 from FY22 and add it to FY24
- **Aviation Drive/Valley View Blvd. Pedestrian Improvements**
  - Remove \$81,980 from previous funding and add it to FY23; remove \$231,520 from FY21 and add it to FY24
- **Valleypointe Parkway Realignment**
  - Remove \$100,000 from FY22 and add it to FY24

**WHEREAS**, in order to meet the allocations timeline requested by VDOT for the projects noted above, and in order to keep within the yearly anticipated STBG funding available to the RVTPO, adjustments to the timing of allocations are needed for the following current STBG projects:

- **Route 419/U.S. 220 Diverging Diamond Interchange**
  - Adjust funding in FY21 from \$408,929 to \$640,449, FY22 from \$769,853 to \$1,069,853, FY23 from \$600,000 to \$500,000, and FY24 from \$1,530,147 to \$1,098,627)
- **Greenway Connection – Riverland Road**
  - Adjust previous funding from \$208,500 to \$290,480 and FY23 from \$304,822 to \$222,842)

**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 Metropolitan Planning Organization**



**WHEREAS**, on June 25, 2020, the RVTPO Policy Board granted a waiver from Policy #9 of the RVTPO's STBG Project Development and Selection Procedures regarding allowing projects not included in the 2018 Regional Study on Transportation Project Prioritization for Economic Development and Growth to also be eligible for "conditional commitment" of funds and the attached FY21-26 STBG Six-Year Financial Plan reflects no change to the amount of "Additionally Conditionally Committed Funding" which requires the remaining funds to complete the project be secured in order to receive these conditionally committed funds; and

**WHEREAS**, the RVTPO Policy Board additionally waives Policy #4 regarding committed projects needing to have funds within the first two years of the financial plan acknowledging that although these four projects will have no funds in the first two years of the financial plan, the RVTPO Policy Board is still committed to the "Committed Funding Recommended" for the four projects noted above, regardless of the project's ability to secure the remaining funds needed for construction through other sources;

**NOW THEREFORE BE IT RESOLVED**, that the Policy Board of the Roanoke Valley Transportation Planning Organization does hereby approve adjusting the FY 2021-2026 Surface Transportation Block Grant (STBG) Financial Plan (shown in the attached table) as requested by the Virginia Department of Transportation to the projects noted previously including any changes that were included in the motion and seconded of this resolution and forwards this supporting resolution/endorsement to the Virginia Commonwealth Transportation Board.

Phil North, Vice-Chair  
Roanoke Valley Transportation Planning Organization

**FY 2021-2026 Surface Transportation Block Grant (STBG) Six-Year Financial Plan**  
 Approved November 24, 2020

Project	Project UPC	Additional Conditionally Committed Funding	"Committed" Funding Recommended	Previous Allocations	FY21	FY22	FY23	FY24	FY25	FY26
Roanoke River Greenway - Greenhill Park (Roanoke County) to Riverside Park (Salem)	97171		\$ 4,590,760	\$ 4,590,760	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - Eddy Avenue Bridge (Salem)	106486		\$ 1,289,114	\$ 1,289,114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - City of Salem line to Bridge Street	105439		\$ 4,363,800	\$ 4,363,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - Water Pollution Control Plant to the Blue Ridge Parkway	91191		\$ 4,257,840	\$ 4,257,840	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plantation Road, Bicycle, Pedestrian and Streetscape Improvement Project	103607		\$ 1,679,503	\$ 1,679,503	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Exit 140 Park and Ride Reconstruction	99542		\$ 2,650,000	\$ 2,650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tinker Creek Trail Extension	110101		\$ 3,227,047	\$ 2,628,413	\$ -	\$ 598,634	\$ -	\$ -	\$ -	\$ -
Bus Replacement and Rebuild Program	T18675/DRPT		\$ 13,622,784	\$ 7,662,632	\$ 1,955,439	\$ 1,955,439	\$ 2,049,274	\$ -	\$ -	\$ -
Garden City Trail Connection	106265		\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Walnut Avenue Bicycle and Pedestrian Accommodations (5th Street to City/Town limit)	111649		\$ 1,684,030	\$ 195,300	\$ 1,250,982	\$ -	\$ 237,748	\$ -	\$ -	\$ -
Route 419/U.S. 220 Diverging Diamond Interchange	115460		\$ 5,731,866	\$ 1,199,714	\$ 640,449	\$ 1,069,853	\$ 500,000	\$ 1,098,627	\$ 1,223,223	\$ -
Roanoke River Greenway Bridge across Barnhardt Creek	113568		\$ 897,770	\$ 897,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway through Explore Park	113567		\$ 3,020,308	\$ 431,678	\$ -	\$ 1,117,559	\$ -	\$ 1,471,071	\$ -	\$ -
Walnut Avenue Bicycle and Pedestrian Accommodations (W. Lee Avenue to 1st Street)	113565		\$ 545,250	\$ 69,500	\$ -	\$ 12,000	\$ 263,750	\$ 200,000	\$ -	\$ -
Route 220 at International Parkway Improvements	115457		\$ 300,000	\$ -	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -
Starkey Road/Buck Mountain Road Intersection Improvements	113144		\$ 2,098,115	\$ -	\$ -	\$ 30,327	\$ 778,090	\$ 641,759	\$ 647,939	\$ -
Elizabeth Greenway	113566		\$ 1,104,400	\$ 106,168	\$ 84,900	\$ -	\$ 913,332	\$ -	\$ -	\$ -
I-581 Exit 2 Interchange Study	113570		\$ 190,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New Downtown Transit Transfer Center - Real-Time Transit Passenger Information (RTPi) Project	TBD		\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 220 Superstreet and Access Management	TBD	\$ 2,076,000	\$ 924,000	\$ -	\$ -	\$ -	\$ 164,422	\$ 759,578	\$ 2,076,000	\$ -
Orange Market Park and Ride/Parking Lot Improvements	TBD		\$ 343,573	\$ 343,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 419 Streetscape Improvements, Phase 2	TBD	\$ 2,841,712	\$ 1,505,438	\$ -	\$ -	\$ -	\$ -	\$ 808,020	\$ 697,418	\$ 2,841,712
Roanoke River Greenway - East	TBD		\$ 835,000	\$ 710,000	\$ 125,000	\$ -	\$ -	\$ -	\$ -	\$ -
Aviation Drive/Valley View Blvd. Pedestrian Improvements	TBD	\$ 936,500	\$ 313,500	\$ -	\$ -	\$ -	\$ 81,980	\$ 231,520	\$ 74,523	\$ 861,977
Valleypointe Parkway Realignment	TBD	\$ 1,707,707	\$ 792,293	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 692,293	\$ 1,707,707
Gus Nicks Boulevard Pedestrian/Bicycle Crossing	TBD		\$ 169,650	\$ -	\$ 169,650	\$ -	\$ -	\$ -	\$ -	\$ -
Greenway Connection - Riverland Road	TBD		\$ 1,198,410	\$ 290,480	\$ 354,941	\$ 330,147	\$ 222,842	\$ -	\$ -	\$ -
Oak Grove Streetscape Improvements - Crosswalk	TBD		\$ 136,748	\$ -	\$ 136,748	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Total Funding Allocated:</b>		\$ 7,561,919	\$ 59,090,288		\$ 5,018,109	\$ 5,113,959	\$ 5,211,438	\$ 5,310,575	\$ 5,411,396	\$ 5,411,396
<b>Total STBG Funding Available:</b>			\$ 66,755,044		\$ 5,018,109	\$ 5,113,959	\$ 5,211,438	\$ 5,310,575	\$ 5,411,396	\$ 5,513,933
<b>Balance Entry (UPC 104126):</b>				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 102,537

**TOTAL UNALLOCATED FUNDS:** \$ 102,537

The 27<sup>th</sup> day of May 2021

## **RESOLUTION**

**by the Policy Board of the Roanoke Valley Transportation Planning Organization  
Approving the FY 2022-2027 Surface Transportation Block Grant (STBG) Financial Plan**

**WHEREAS**, the RVTPO Policy Board has the opportunity and responsibility to prioritize Surface Transportation Block Grant (STBG), formerly known as Regional Surface Transportation Program (RSTP), funds for essential transportation improvements within the Roanoke Valley Transportation Planning Organization's Study Area Boundary; and,

**WHEREAS**, the FY22-27 STBG Financial Plan has been reviewed by the Transportation Technical Committee and a public hearing has occurred on May 27, 2021; and

**WHEREAS**, the attached FY22-27 STBG Six-Year Financial Plan reflects the RVTPO's commitment to fulfill the total "Committed" Funding Recommended for projects and will be incorporated in the RVTPO's Transportation Improvement Program; and

**NOW THEREFORE BE IT RESOLVED**, that the Policy Board of the Roanoke Valley Transportation Planning Organization does hereby approve the FY 2022-2027 Surface Transportation Block Grant (STBG) Financial Plan including any changes that were included in the motion and seconded of this resolution and forwards this supporting resolution/endorsement to the Virginia Commonwealth Transportation Board.



Billy W. Martin, Sr.  
Chair

**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 Metropolitan Planning Organization**



**FY 2022-2027 Surface Transportation Block Grant (STBG) Six-Year Financial Plan**  
 Approved May 27, 2021

Project	Project UPC	"Committed" Funding Recommended	Previous Allocations	FY22	FY23	FY24	FY25	FY26	FY27
Roanoke River Greenway - Greenhill Park (Roanoke County) to Riverside Park (Salem)	97171	\$ 7,673,829	\$ 6,439,806	\$ 710,000	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - Eddy Avenue Bridge (Salem)	106486	\$ 1,289,114	\$ 1,289,114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - City of Salem line to Bridge Street	105439	\$ 4,363,800	\$ 4,363,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - Water Pollution Control Plant to the Blue Ridge Parkway	91191	\$ 1,505,371	\$ 1,505,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plantation Road, Bicycle, Pedestrian and Streetscape Improvement Project	103607	\$ 1,679,503	\$ 1,679,503	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tinker Creek Trail Extension	110101	\$ 3,227,047	\$ 2,731,551	\$ 495,496	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Replacement and Rebuild Program	T18675/DRPT	\$ 13,622,784	\$ 9,618,071	\$ 1,955,439	\$ 2,049,274	\$ -	\$ -	\$ -	\$ -
Garden City Trail Connection	106265	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Walnut Avenue Bicycle and Pedestrian Accommodations (5th Street to City/Town limit)	111649	\$ 1,684,030	\$ 1,446,282	\$ -	\$ 237,748	\$ -	\$ -	\$ -	\$ -
Route 419/U.S. 220 Diverging Diamond Interchange	115460	\$ 5,731,866	\$ 1,736,198	\$ 535,198	\$ 87,225	\$ 1,098,627	\$ 1,223,223	\$ 1,051,395	\$ -
Roanoke River Greenway Bridge across Barnhardt Creek	113568	\$ 897,770	\$ 897,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway through Explore Park	113567	\$ 3,020,308	\$ 431,678	\$ 384,378	\$ 393,937	\$ 1,810,315	\$ -	\$ -	\$ -
Walnut Avenue Bicycle and Pedestrian Accommodations (W. Lee Avenue to 1st Street)	113565	\$ 881,360	\$ 405,610	\$ 12,000	\$ 263,750	\$ 200,000	\$ -	\$ -	\$ -
Route 220 at International Parkway Improvements	115457	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Starkey Road/Buck Mountain Road Intersection Improvements	113144	\$ 2,098,115	\$ -	\$ 30,327	\$ 778,090	\$ 641,759	\$ 647,939	\$ -	\$ -
Elizabeth Greenway	113566	\$ 1,104,400	\$ 191,068	\$ -	\$ 913,332	\$ -	\$ -	\$ -	\$ -
I-581 Exit 2 Interchange Study	113570	\$ 190,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New Downtown Transit Transfer Center - Real-Time Transit Passenger Information (RTP) Project	TBD	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 220 Superstreet and Access Management	T24740	\$ 924,000	\$ -	\$ -	\$ -	\$ 735,389	\$ 188,611	\$ -	\$ -
Orange Market Park and Ride/Parking Lot Improvements	T24579	\$ 343,573	\$ 343,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 419 Streetscape Improvements, Phase 2	T24963	\$ 4,347,150	\$ -	\$ -	\$ -	\$ 194,193	\$ 1,616,639	\$ 2,358,948	\$ 177,370
Roanoke River Greenway - East	T24553	\$ 835,000	\$ 710,000	\$ -	\$ -	\$ 125,000	\$ -	\$ -	\$ -
Aviation Drive/Valley View Blvd. Pedestrian Improvements	T24534	\$ 1,250,000	\$ -	\$ -	\$ -	\$ 125,000	\$ 403,260	\$ 721,740	\$ -
Valleypointe Parkway Realignment	T24552	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 100,000	\$ 692,293	\$ 479,769	\$ 1,227,938
Gus Nicks Boulevard Pedestrian/Bicycle Crossing	T25384	\$ 403,912	\$ 403,912	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Greenway Connection - Riverland Road	T24548	\$ 1,198,410	\$ 645,421	\$ 330,147	\$ 222,842	\$ -	\$ -	\$ -	\$ -
Oak Grove Streetscape Improvements - Crosswalk	T24550	\$ 218,748	\$ 218,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 460 (Orange Ave) Improvements near Blue Hills Drive	T24965	\$ 676,720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 676,720
Route 460 (Orange Ave) Improvements at King Street	T25967	\$ 550,280	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,280
Route 460 at West Ruritan Road Intersection Improvements	T24966	\$ 785,549	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 785,549
Route 460 Intersections from Carson Road to Huntridge Road	T24968	\$ 427,803	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 427,803
<b>Total Funding Allocated:</b>		\$ 67,852,386	\$ 40,193,443	\$ 4,452,985	\$ 4,946,198	\$ 5,030,283	\$ 4,771,965	\$ 4,611,852	\$ 3,845,660
<b>Total STBG Funding Available:</b>		\$ 70,232,686	\$ 40,193,443	\$ 4,452,985	\$ 4,946,198	\$ 5,030,283	\$ 5,115,798	\$ 5,202,766	\$ 5,291,213
<b>Balance Entry (UPC 104126):</b>		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 343,833	\$ 590,914	\$ 1,445,553
<b>TOTAL UNALLOCATED FUNDS FY14-27:</b>									<b>\$ 2,380,300</b>



The 22<sup>nd</sup> day of July 2021

## **RESOLUTION**

**By the Policy Board of the Roanoke Valley Transportation Planning Organization  
Approving Adjustments to the Surface Transportation Block Grant Program: Roanoke Valley  
Urbanized Area Suballocation Funding Project Development and Selection Procedures**

**WHEREAS**, the Roanoke Valley Transportation Planning Organization (RVTPO) is a Transportation Management Area (TMA) as classified by the Federal Government; and

**WHEREAS**, the RVTPO Policy Board has the opportunity and responsibility to prioritize the Surface Transportation Block Grant – Urbanized Areas with Population over 200,000 (STBG) funds allocated by the Federal Government to the Roanoke region for eligible projects within the Roanoke Valley Study Area boundary; and

**WHEREAS**, the STBG Project Development and Selection Procedures document serves as a guide to applicants, staff, and stakeholders regarding opportunities to apply for funding, financial adjustments to previously approved projects, policies related to the allocation and use of funds, the scheduling of related activities, and the process for the Policy Board's selection of projects; and

**WHEREAS**, the RVTPO Policy Board members have reviewed the adjustments to the STBG Project Development and Selection Procedures and will use the Procedures to guide transportation investment decisions using STBG funds.

**NOW, THEREFORE BE IT RESOLVED** that the Roanoke Valley Transportation Planning Organization Policy Board does hereby approve the Surface Transportation Block Grant Project Development and Selection Procedures, as presented.

Billy W. Martin, Sr.  
Chair

**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

Project	Project UPC	"Committed" Funding Recommended	Previous Allocations	FY22	FY23	FY24	FY25	FY26	FY27
Roanoke River Greenway - Greenhill Park (Roanoke County) to Riverside Park (Salem)	97171	\$ 7,673,829	\$ 6,963,829	\$ 710,000	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - Eddy Avenue Bridge (Salem)	106486	\$ 1,289,114	\$ 1,289,114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - City of Salem line to Bridge Street	105439	\$ 4,363,800	\$ 4,363,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - Water Pollution Control Plant to the Blue Ridge Parkway	91191	\$ 1,505,371	\$ 1,505,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plantation Road, Bicycle, Pedestrian and Streetscape Improvement Project	103607	\$ 1,679,503	\$ 1,679,503	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tinker Creek Trail Extension	110101	\$ 3,227,047	\$ 2,731,551	\$ 495,496	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Replacement and Rebuild Program	T18675/ DRPT	\$ 13,622,784	\$ 9,618,071	\$ 1,955,439	\$ 2,049,274	\$ -	\$ -	\$ -	\$ -
Garden City Trail Connection	106265	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Walnut Avenue Bicycle and Pedestrian Accommodations (5th Street to City/Town limit)	111649	\$ 1,684,030	\$ 1,446,282	\$ -	\$ 237,748	\$ -	\$ -	\$ -	\$ -
Route 419/U.S. 220 Diverging Diamond Interchange	115460	\$ 5,731,866	\$ 1,736,198	\$ 535,198	\$ 87,225	\$ 1,098,627	\$ 1,223,223	\$ 1,051,395	\$ -
Roanoke River Greenway Bridge across Barnhardt Creek	113568	\$ 897,770	\$ 897,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway through Explore Park	113567	\$ 3,020,308	\$ 431,678	\$ 384,378	\$ 393,937	\$ 1,810,315	\$ -	\$ -	\$ -
Walnut Avenue Bicycle and Pedestrian Accommodations (W. Lee Avenue to 1st Street)	113565	\$ 417,610	\$ 405,610	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -
Route 220 at International Parkway Improvements	115457	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Starkey Road/Buck Mountain Road Intersection Improvements	113144	\$ 2,098,115	\$ -	\$ 30,327	\$ 778,090	\$ 641,759	\$ 647,939	\$ -	\$ -
Elizabeth Greenway	113566	\$ 1,104,400	\$ 191,068	\$ -	\$ 913,332	\$ -	\$ -	\$ -	\$ -
I-581 Exit 2 Interchange Study	113570	\$ 190,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New Downtown Transit Transfer Center - Real-Time Transit Passenger Information (RTPI) Project	TBD	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 220 Superstreet and Access Management	T24740	\$ 924,000	\$ -	\$ -	\$ -	\$ 735,389	\$ 188,611	\$ -	\$ -
Orange Market Park and Ride/Parking Lot Improvements	T24579	\$ 343,573	\$ 343,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 419 Streetscape Improvements, Phase 2	T24963	\$ 4,347,150	\$ -	\$ -	\$ -	\$ 194,193	\$ 1,616,639	\$ 2,358,948	\$ 177,370
Roanoke River Greenway - East	T24553	\$ 710,000	\$ 710,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Aviation Drive/Valley View Blvd. Pedestrian Improvements	T24534	\$ 131,332	\$ -	\$ -	\$ -	\$ 125,000	\$ 6,332	\$ -	\$ -
Valleypointe Parkway Realignment	T24552	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 100,000	\$ 692,293	\$ 479,769	\$ 1,227,938
Gus Nicks Boulevard Pedestrian/Bicycle Crossing	T25384	\$ 403,912	\$ 403,912	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Greenway Connection - Riverland Road	T24548	\$ 975,568	\$ 645,421	\$ 330,147	\$ -	\$ -	\$ -	\$ -	\$ -
Oak Grove Streetscape Improvements - Crosswalk	T24550	\$ 218,748	\$ 218,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 460 (Orange Ave) Improvements near Blue Hills Drive	T24965	\$ 676,720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 676,720
Route 460 (Orange Ave) Improvements at King Street	T25967	\$ 550,280	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,280
Route 460 at West Ruritan Road Intersection Improvements	T24966	\$ 785,549	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 785,549
Route 460 Intersections from Carson Road to Huntridge Road	T24968	\$ 427,803	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 427,803
<b>Total Funding Allocated:</b>		\$ 65,922,126	\$ 40,193,443	\$ 4,452,985	\$ 4,459,606	\$ 4,705,283	\$ 4,375,037	\$ 3,890,112	\$ 3,845,660
<b>Total STBG Funding Available:</b>		\$ 70,232,686	\$ 40,193,443	\$ 4,452,985	\$ 4,946,198	\$ 5,030,283	\$ 5,115,798	\$ 5,202,766	\$ 5,291,213
<b>Balance Entry (UPC 104126):</b>			\$ -	\$ -	\$ 486,592	\$ 325,000	\$ 740,761	\$ 1,312,654	\$ 1,445,553
<b>TOTAL UNALLOCATED FUNDS FY14-27:</b>									<b>\$ 4,310,560</b>





The 4<sup>th</sup> day of November 2021

**RESOLUTION**

**by the Policy Board of the Roanoke Valley Transportation Planning Organization  
Approving Adjustment #2 to the FY 2022-2027 Surface Transportation Block Grant (STBG)  
Financial Plan**

**WHEREAS**, the RVTPO Policy Board has the opportunity and responsibility to prioritize Surface Transportation Block Grant (STBG), formerly known as Regional Surface Transportation Program (RSTP), funds for essential transportation improvements within the Roanoke Valley TPO Study Area Boundary; and,

**WHEREAS**, the RVTPO Policy Board approved the FY22-27 STBG Six-Year Financial Plan on May 27, 2021 and amended it on July 22, 2021, and the Virginia Department of Transportation (VDOT) has since made an out-of-cycle request to allocate \$2,544,860 in STBG funding for the Route 460 at Alternate Route 220 Intersection Improvements Project; and,

**WHEREAS**, on June 25, 2020, the RVTPO Policy Board had allocated \$2,544,860 in conditionally committed funding towards the Route 460 at Alternate Route 220 Intersection Improvements Project with the hope of securing the remaining funding via SMART SCALE Round 4, yet it was not selected to be funded at that time, so the STBG funds were returned to the RVTPO; and,

**WHEREAS**, the Commonwealth Transportation Board (CTB) now has additional funding to allocate through the SMART SCALE District Grant program, and Dr. Ray Smoot, CTB member for the Salem District, would like to allocate the funding previously sought by Roanoke County in their SMART SCALE Round 4 application if the RVTPO Policy Board is able to commit to the original conditionally committed funding.

**NOW THEREFORE BE IT RESOLVED**, that the Policy Board of the Roanoke Valley Transportation Planning Organization does hereby approve adjusting the FY 2022-2027 Surface Transportation Block Grant (STBG) Financial Plan (shown in the attached table) as requested by the Virginia Department of Transportation including any changes that were included in the motion and seconded of this resolution and forwards this supporting resolution/endorsement to the Virginia Commonwealth Transportation Board.

Billy W. Martin, Sr.  
Chair

**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

Project	Project UPC	"Committed" Funding Recommended	Previous Allocations	FY22	FY23	FY24	FY25	FY26	FY27
Roanoke River Greenway - Greenhill Park (Roanoke County) to Riverside Park (Salem)	97171	\$ 7,673,829	\$ 6,963,829	\$ 710,000	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - Eddy Avenue Bridge (Salem)	106486	\$ 1,289,114	\$ 1,289,114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - City of Salem line to Bridge Street	105439	\$ 4,363,800	\$ 4,363,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - Water Pollution Control Plant to the Blue Ridge Parkway	91191	\$ 1,505,371	\$ 1,505,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plantation Road, Bicycle, Pedestrian and Streetscape Improvement Project	103607	\$ 1,679,503	\$ 1,679,503	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tinker Creek Trail Extension	110101	\$ 3,227,047	\$ 2,731,551	\$ 495,496	\$ -	\$ -	\$ -	\$ -	\$ -
Bus Replacement and Rebuild Program	T18675/DRPT	\$ 13,622,784	\$ 9,618,071	\$ 1,955,439	\$ 2,049,274	\$ -	\$ -	\$ -	\$ -
Garden City Trail Connection	106265	\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Walnut Avenue Bicycle and Pedestrian Accommodations (5th Street to City/Town limit)	111649	\$ 1,684,030	\$ 1,446,282	\$ -	\$ 237,748	\$ -	\$ -	\$ -	\$ -
Route 419/U.S. 220 Diverging Diamond Interchange	115460	\$ 5,731,866	\$ 1,736,198	\$ 535,198	\$ 87,225	\$ 1,098,627	\$ 1,223,223	\$ 1,051,395	\$ -
Roanoke River Greenway Bridge across Barnhardt Creek	113568	\$ 897,770	\$ 897,770	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway through Explore Park	113567	\$ 3,020,308	\$ 431,678	\$ 384,378	\$ 393,937	\$ 1,810,315	\$ -	\$ -	\$ -
Walnut Avenue Bicycle and Pedestrian Accommodations (W. Lee Avenue to 1st Street)	113565	\$ 417,610	\$ 405,610	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -
Route 220 at International Parkway Improvements	115457	\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Starkey Road/Buck Mountain Road Intersection Improvements	113144	\$ 2,098,115	\$ -	\$ 30,327	\$ 778,090	\$ 641,759	\$ 647,939	\$ -	\$ -
Elizabeth Greenway	113566	\$ 1,104,400	\$ 191,068	\$ -	\$ 913,332	\$ -	\$ -	\$ -	\$ -
I-581 Exit 2 Interchange Study	113570	\$ 190,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New Downtown Transit Transfer Center - Real-Time Transit Passenger Information (RTPi) Project	TBD	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 220 Superstreet and Access Management	T24740	\$ 924,000	\$ -	\$ -	\$ -	\$ 735,389	\$ 188,611	\$ -	\$ -
Orange Market Park and Ride/Parking Lot Improvements	T24579	\$ 343,573	\$ 343,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 419 Streetscape Improvements, Phase 2	119462	\$ 4,347,150	\$ -	\$ -	\$ -	\$ 194,193	\$ 1,616,639	\$ 2,358,948	\$ 177,370
Roanoke River Greenway - East	T24553	\$ 710,000	\$ 710,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Aviation Drive/Valley View Blvd. Pedestrian Improvements	119555	\$ 131,332	\$ -	\$ -	\$ -	\$ 125,000	\$ 6,332	\$ -	\$ -
Valleypointe Parkway Realignment	119468	\$ 2,500,000	\$ -	\$ -	\$ -	\$ 100,000	\$ 692,293	\$ 479,769	\$ 1,227,938
Gus Nicks Boulevard Pedestrian/Bicycle Crossing	T25384	\$ 403,912	\$ 403,912	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Greenway Connection - Riverland Road	119586	\$ 975,568	\$ 645,421	\$ 330,147	\$ -	\$ -	\$ -	\$ -	\$ -
Oak Grove Streetscape Improvements - Crosswalk	T24550	\$ 218,748	\$ 218,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 460 (Orange Ave) Improvements near Blue Hills Drive	119464	\$ 676,720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 676,720
Route 460 (Orange Ave) Improvements at King Street	119461	\$ 550,280	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,280
Route 460 at West Ruritan Road Intersection Improvements	119450	\$ 785,549	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 785,549
Route 460 Intersections from Carson Road to Huntridge Road	119449	\$ 427,803	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 427,803
Route 460 and Alternate Route 220 Intersection Improvements	TBD	\$ 2,544,860	\$ -	\$ -	\$ 486,592	\$ 325,000	\$ 740,761	\$ 992,507	\$ -
<b>Total Funding Allocated:</b>		\$ 68,466,986	\$ 40,193,443	\$ 4,452,985	\$ 4,946,198	\$ 5,030,283	\$ 5,115,798	\$ 4,882,619	\$ 3,845,660
<b>Total STBG Funding Available:</b>		\$ 70,232,686	\$ 40,193,443	\$ 4,452,985	\$ 4,946,198	\$ 5,030,283	\$ 5,115,798	\$ 5,202,766	\$ 5,291,213
<b>Balance Entry (UPC 104126):</b>			\$ -	\$ -	\$ -	\$ -	\$ -	\$ 320,147	\$ 1,445,553
<b>TOTAL UNALLOCATED FUNDS FY14-27:</b>									<b>\$ 1,765,700</b>

The 24<sup>th</sup> day of February 2022

## RESOLUTION

by the Policy Board of the Roanoke Valley Transportation Planning Organization  
Approving Adjustment #3 to the FY 2022-2027 Surface Transportation Block Grant (STBG)  
Financial Plan

**WHEREAS**, the RVTPO Policy Board has the opportunity and responsibility to prioritize Surface Transportation Block Grant (STBG), formerly known as Regional Surface Transportation Program (RSTP), funds for essential transportation improvements within the Roanoke Valley TPO Study Area Boundary; and,

**WHEREAS**, the RVTPO Policy Board approved the FY22-27 STBG Six-Year Financial Plan on May 27, 2021 with two adjustments made in July and November of 2021, and prior to adopting the FY23-28 STBG Financial Plan, the Board is considering requests for additional funding for currently funded STBG projects; and,

**WHEREAS**, the RVTPO Policy Board has solicited and considered public input on the three requests received and a public hearing was held on February 24, 2022; and,

**WHEREAS**, the RVTPO Transportation Technical Committee has recommended funding two of the requests: \$1,589,254 for the Tinker Creek Trail Extension and \$384,112 for the Walnut Avenue Bicycle and Pedestrian Accommodations (5<sup>th</sup> Street to City/Town limit); and

**WHEREAS**, the RVTPO acknowledges completion of the Roanoke River Greenway Bridge across Barnhardt Creek and accepts the \$71,513 in returned STBG funding.

**NOW THEREFORE BE IT RESOLVED**, that the Policy Board of the Roanoke Valley Transportation Planning Organization does hereby approve adjusting the FY 2022-2027 Surface Transportation Block Grant (STBG) Financial Plan (shown in the attached table) incorporating the additional funding in the amount of \$1,589,254 for the Tinker Creek Trail Extension and \$384,112 for the Walnut Avenue Bicycle and Pedestrian Accommodations (5<sup>th</sup> Street to City/Town limit) and forwards this supporting resolution/endorsement to the Virginia Commonwealth Transportation Board.

  
Billy W. Martin, Sr.  
Chair

**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 Metropolitan Planning Organization**

**Adjustment to FY 2022-2027 Surface Transportation Block Grant (STBG) Financial Plan**  
 Approved on February 24, 2022

Project	Project UPC	Conditionally Committed Funding	Committed Funding	Previous Allocations	FY22	FY23	FY24	FY25	FY26	FY27
Roanoke River Greenway - Greenhill Park (Roanoke County) to Riverside Park (Salem)	97171		\$ 7,673,829	\$ 6,963,829	\$ 710,000	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - Eddy Avenue Bridge (Salem)	106486		\$ 1,289,114	\$ 1,289,114	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - City of Salem line to Bridge Street	105439		\$ 4,363,800	\$ 4,363,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Roanoke River Greenway - Water Pollution Control Plant to the Blue Ridge Parkway	91191		\$ 1,505,371	\$ 1,505,371	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Plantation Road, Bicycle, Pedestrian and Streetscape Improvement Project	103607		\$ 1,679,503	\$ 1,679,503	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Tinker Creek Trail Extension	110101		\$ 4,816,301	\$ 2,803,064	\$ 938,695	\$ 583,448	\$ 433,240	\$ 57,854	\$ -	\$ -
Bus Replacement and Rebuild Program	T18675/ DRPT		\$ 13,622,784	\$ 9,618,071	\$ 1,955,439	\$ 2,049,274	\$ -	\$ -	\$ -	\$ -
Garden City Trail Connection	106265		\$ 200,000	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Walnut Avenue Bicycle and Pedestrian Accommodations (5th Street to City/Town limit)	111649		\$ 2,068,142	\$ 1,446,282	\$ 384,112	\$ 237,748	\$ -	\$ -	\$ -	\$ -
Route 419/U.S. 220 Diverging Diamond Interchange	115460		\$ 5,731,866	\$ 1,736,198	\$ 535,198	\$ 87,225	\$ 1,098,627	\$ 1,223,223	\$ 1,051,395	\$ -
Roanoke River Greenway through Explore Park	113567		\$ 3,020,308	\$ 431,678	\$ 384,378	\$ 393,937	\$ 1,810,315	\$ -	\$ -	\$ -
Walnut Avenue Bicycle and Pedestrian Accommodations (W. Lee Avenue to 1st Street)	113565		\$ 417,610	\$ 405,610	\$ 12,000	\$ -	\$ -	\$ -	\$ -	\$ -
Route 220 at International Parkway Improvements	115457		\$ 300,000	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Starkey Road/Buck Mountain Road Intersection Improvements	113144		\$ 2,098,115	\$ -	\$ 30,327	\$ 778,090	\$ 641,759	\$ 647,939	\$ -	\$ -
Elizabeth Greenway	113566		\$ 1,104,400	\$ 191,068	\$ -	\$ 913,332	\$ -	\$ -	\$ -	\$ -
I-581 Exit 2 Interchange Study	113570		\$ 190,000	\$ 190,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New Downtown Transit Transfer Center - Real-Time Transit Passenger Information (RTPi) Project	TBD		\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 220 Superstreet and Access Management	T24740		\$ 924,000	\$ -	\$ -	\$ -	\$ 735,389	\$ 188,611	\$ -	\$ -
Orange Market Park and Ride/Parking Lot Improvements	T24579		\$ 343,573	\$ 343,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 419 Streetscape Improvements, Phase 2	119462		\$ 4,347,150	\$ -	\$ -	\$ -	\$ 194,193	\$ 1,616,639	\$ 2,358,948	\$ 177,370
Roanoke River Greenway - East	119666		\$ 710,000	\$ 710,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Aviation Drive/Valley View Blvd. Pedestrian Improvements	119555		\$ 131,332	\$ -	\$ -	\$ -	\$ 125,000	\$ 6,332	\$ -	\$ -
Valleypointe Parkway Realignment	119468		\$ 2,500,000	\$ -	\$ -	\$ -	\$ 100,000	\$ 692,293	\$ 479,769	\$ 1,227,938
Gus Nicks Boulevard Pedestrian/Bicycle Crossing	119911		\$ 403,912	\$ 403,912	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Greenway Connection - Riverland Road	119586		\$ 975,568	\$ 645,421	\$ 330,147	\$ -	\$ -	\$ -	\$ -	\$ -
Oak Grove Streetscape Improvements - Crosswalk	T24550		\$ 218,748	\$ 218,748	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Route 460 (Orange Ave) Improvements near Blue Hills Drive	119464		\$ 676,720	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 676,720
Route 460 (Orange Ave) Improvements at King Street	119461		\$ 550,280	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 550,280
Route 460 at West Ruritan Road Intersection Improvements	119450		\$ 785,549	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 785,549
Route 460 Intersections from Carson Road to Huntridge Road	119449		\$ 427,803	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 427,803
Route 460 and Alternate Route 220 Intersection Improvements	120611		\$ 2,544,860	\$ -	\$ -	\$ 486,592	\$ 325,000	\$ 740,761	\$ 992,507	\$ -
<b>Total Funding Allocated:</b>			\$ 70,368,839	\$ 40,193,443	\$ 5,280,296	\$ 5,529,646	\$ 5,463,523	\$ 5,173,652	\$ 4,882,619	\$ 3,845,660
<b>Total STBG Funding Available:</b>			\$ 86,154,555	\$ 40,193,443	\$ 5,280,296	\$ 5,804,646	\$ 5,920,739	\$ 6,021,391	\$ 6,123,755	\$ 6,227,859
<b>Balance Entry (UPC 104126):</b>				\$ -	\$ -	\$ 275,000	\$ 457,216	\$ 847,739	\$ 1,241,136	\$ 2,382,199
										<b>Remaining through FY27:</b>
										<b>\$ 5,203,290</b>

**APPENDIX I – RVTPD Transportation Alternatives Set-Aside Programming  
Decisions**

The 22<sup>nd</sup> day of August, 2019

## **RESOLUTION**

### **SUBJ: Endorsement of Transportation Alternatives Set-Aside (TA) Grant Applications**

**WHEREAS**, the Transportation Alternatives (TA) Program was created by the 2012 Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21) by combining what had previously been known as the Transportation Enhancements (TE), Safe Routes to School and other programs into one category; and

**WHEREAS**, the Fixing America's Surface Transportation (FAST) Act was signed into law on Dec. 4, 2015, is the first long-term transportation bill passed since SAFETEA-LU, and will run through Fiscal Year 2020; and

**WHEREAS**, the legislation converts the long-standing Surface Transportation Program (STP) into the Surface Transportation Block Grant Program (STBG), aligning the program's name with how the Federal Highway Administration (FHWA) has historically administered it; and

**WHEREAS**, within the STBG funding is a set-aside amount called the TA Set-Aside as set forth in 23 U.S.C. 133(h). These set-aside funds include all activities that were previously eligible under TAP (Transportation Alternatives Program per MAP-21), encompassing a variety of smaller-scale, non-traditional transportation projects; and

**WHEREAS**, Virginia has chosen to set aside funds for TA activities; and

**WHEREAS**, the following two TA Set-Aside grant applications submitted are new projects and did not have previous resolutions and/or have expanded their scope:

**Applicant:** *City of Roanoke*  
**Project:** *9<sup>th</sup> Street Multimodal Improvements*  
**TA Funds Requested:** *\$500,000*

**Applicant:** *Town of Vinton*  
**Project:** *Glade Creek Greenway Phase 2B*  
**TA Funds Requested:** *\$380,800*

**WHEREAS**, project applications that have not previously been endorsed in prior years and that fall within the Roanoke Valley Transportation Planning Organization Study Area Boundary, must be formally endorsed by the Policy Board of the Roanoke Valley Transportation Planning Organization prior to submittal to the Virginia Department of Transportation by October 1, 2019;

**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*

**WHEREAS**, on March 22, 2018, the RVTPO Policy Board allocated \$366,606 in FY19 and FY20 to the Roanoke River Greenway – Blue Ridge Parkway Crossing along Highland Road project from Roanoke County (UPC# 113356); and

**WHEREAS**, Roanoke County is currently seeking a second grant application endorsement for the following project, due to an anticipated budget deficit:

**Applicant:** *Roanoke County*

**Project:** Roanoke River Greenway – Blue Ridge Parkway Crossing along Highland Road

**Additional TA Funds Requested:** \$200,000

**NOW, THEREFORE, BE IT RESOLVED** that the Roanoke Valley Transportation Planning Organization Policy Board endorses the three Transportation Alternatives Set-Aside grant applications, listed herein, for the purpose of applying for TA Set-Aside funds, and if federal money is awarded to these projects, will be included in the appropriate fiscal year Transportation Improvement Program.



Billy W. Martin, Sr., Vice-Chairman  
Roanoke Valley Transportation Planning Organization

The 27<sup>th</sup> day of February 2020

## **RESOLUTION**

### **SUBJ: Action to Approve Funding for FY21 and FY22 Transportation Alternatives Projects**

**WHEREAS**, the Transportation Alternatives (TA) Program was created by the 2012 Moving Ahead for Progress in the 21<sup>st</sup> Century (MAP-21) by combining what had previously been known as the Transportation Enhancements (TE), Safe Routes to School and other programs into one category; and

**WHEREAS**, the Fixing America's Surface Transportation Act (FAST Act) of 2015 continues to allow state departments of transportation to set aside a portion of their Surface Transportation Program allocation each year to be used for TA activities; and

**WHEREAS**, Virginia has chosen to set aside funds for TA activities; and

**WHEREAS**, these three grant applications are seeking FY 2021 and FY 2022 Transportation Alternatives funding from the Roanoke Valley Transportation Planning Organization:

**Applicant:** City of Roanoke  
**Project:** 9<sup>th</sup> Street Multimodal Improvements  
**TA Funds Requested:** \$500,000

**Applicant:** Town of Vinton  
**Project:** Glade Creek Greenway – Phase 2B  
**TA Funds Requested:** \$380,800

**Applicant:** Roanoke County  
**Project:** Roanoke River Greenway, Parkway Crossing  
**TA Funds Requested:** \$200,000

**WHEREAS**, the RVTPO has \$541,036 in FY 2021 and FY 2022 Transportation Alternatives funding to allocate between the three candidate applications; and

**WHEREAS**, the RVTPO Transportation Technical Committee has forwarded a recommendation to the RVTPO Policy Board to consider the allocation of \$241,036 to the 9<sup>th</sup> Street Multimodal Improvements project, \$200,000 to the Glade Creek Greenway – Phase 2B project, and \$100,000 to the Roanoke River Greenway, Parkway Crossing project.

**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



**RESOLUTION (Cont'd)**

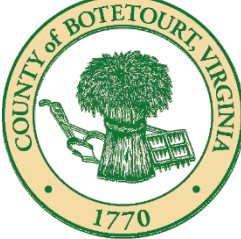
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**NOW, THEREFORE, BE IT RESOLVED** that the Roanoke Valley Transportation Planning Organization Policy Board does hereby endorse and award the following TA funding allocations: \$241,036 to the 9<sup>th</sup> Street Multimodal Improvements project, \$200,000 to the Glade Creek Greenway – Phase 2B project, and \$100,000 to the Roanoke River Greenway, Parkway Crossing project applications and forwards this decision to the Commonwealth Transportation Board.

A handwritten signature in black ink, appearing to read "Janet Scheid". The signature is written in a cursive style with a large, looped initial "J".

Janet Scheid  
Chair

**APPENDIX J – Annual Listing of Transportation Project Obligations**



# Annual Listing of Transportation Project Obligations

## Federal Fiscal Year 2020

(October 1, 2019 to September 30, 2020)



Roanoke Valley Transportation  
**PLANNING ORGANIZATION**

Staffed by the  
**REGIONAL**commission

February 2021

*The information presented in this document is provided by the Virginia Department of Transportation and the Virginia Department of Rail and Public Transportation. The Roanoke Valley Transportation Planning Organization has reorganized the projects by jurisdiction for ease of reference. The original spreadsheets developed by VDOT are included in the appendices.*

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<b>APPENDIX B: Grouped Projects</b>	

## **DOCUMENT DESCRIPTION**

The Roanoke Valley Transportation Planning Organization (RVTPO) Transportation Improvement Program (TIP) is a listing of transportation projects over a three-year period, which will be funded, at least in part, with funds from the Federal Highway Administration (FHWA) and/or Federal Transit Administration (FTA).

The current TIP covers the years 2021 through 2024 and lists the estimated cost for each phase of all projects. Project schedules often change because of personnel or consultant availability for design activities, or changes in budget resource availability. Thus, the TIP does not always yield an up-to-date picture of actual project expenditures. To ensure that the public will have an accurate understanding of how federal funds are actually being spent on transportation projects, Congress included in the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) legislation of 2005, the 2012 Moving Ahead for Progress in the 21<sup>st</sup> Century Act (MAP-21), and the 2015 Fixing America's Surface Transportation Act (FAST Act) a requirement that the organizations responsible for approving the Transportation Improvement Program publish an Annual Listing of Transportation Project Obligations.

### **What are "project obligations"?**

An **obligation** is the Federal government's legal commitment to pay the Federal share of a project's cost. An obligated project is one that has been authorized by the Federal agency and for which funds have been committed. Projects for which funds have been obligated are not necessarily initiated or completed during the program year, and the amount of the obligation will not necessarily equal the total cost of the project. For projects under the auspices of the FTA, obligation occurs when the FTA grant is awarded. For projects under the auspices of the FHWA, obligation occurs when a project agreement is executed and the State/grantee requests that the funds be obligated.

A good way to think of "obligations" is setting up a checking account for a specific purpose and then making an initial deposit. To begin work on any phase of a transportation project, federal funds must be obligated. This means that the money is set aside for that particular piece of work, and then can be used to pay bills. The project expenses may be bills from a design consultant, a construction contractor, or payroll costs for Virginia Department of Transportation (VDOT) employees working on the project.

An obligation removed from a project, or **released**, is usually the result of a decrease in the cost estimate, a project awarded for a lesser amount than originally authorized at advertisement, or an FHWA Financial Integrity Review and Evaluation (FIRE) project level review.

### **Do project obligations mean the work is underway?**

This is not always the case. Project accounts are set up, particularly for the initial phases of a project, to enable the work. It may take a while, for example, to select and hire a design consultant and then actually begin work.

**Contents of this document:**

This document contains tables of VDOT project funding information in which the listing of ungrouped projects is organized by jurisdiction then by funding category (i.e. Interstate, Primary, Secondary, or Urban). Appendix A shows the same grouped projects organized by roadway system rather than by jurisdiction. VDOT grouped projects are presented in Appendix B. Virginia Department of Rail and Public Transportation (VDRPT) funding information show how federal funds were used to support the transit operations of the Greater Roanoke Transit Company (Valley Metro) and RADAR.

**Acronyms**

ARRA	American Recovery and Reinvestment Act of 2009
BROS	Bridge Off-System
CMAQ	Congestion Mitigation and Air Quality Program
DEMO	Demonstration
EB/MG	Equity Bonus/Minimum Guarantee
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
IM/NH	Interstate Maintenance/National Highway System
NHPP	National Highway Performance Program
RSTP	Regional Surface Transportation Program (now named STBG)
SAFE	(SAFETEA-LU) Safe Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SSTP	Statewide Surface Transportation Program
STBG	Surface Transportation Block Grant Program
STIP	Statewide Transportation Improvement Program
STP	Surface Transportation Program
TIP	Transportation Improvement Program
UPC	Universal Project Code

## STIP Grouping Detail

Roanoke MPO Study Area  
Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Bedford County</b>												
<b>T9912903 - Maintenance : Preventive Maintenance and System Preservation</b>												
Bedford County												
109903	F17 Plant Mix Bedford County - Primaries PM2L-009-F17 - Various; Various (6.4300 MI)											
9903	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$1,729,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,729,000
Remaining:												*
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
Bedford County												
107053	Rt. 24 Bedford County - Safety Improvements - Route 886; 0.26 miles East of Route 635 (2.3400 MI)											
0024	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$356,096)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$356,096)
Remaining:												*
Bedford County												
114638	Install Flashing Beacons on Intersection Warning Signs - Route 644; Route 644 ( )											
0122	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$2,615)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,615)
Remaining:												*
Bedford County												
108514	Shoulder Widening, Rumble Strip, and Guardrail Upgrades - U.S. 221 Int.; Ramp 184A (5.0500 MI)											
0460	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$989,277	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$989,277
Remaining:												*
<b>BEDFORD COUNTY SUBTOTAL</b>												
	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$2,718,277	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,718,277
	Released:	\$0	\$0	(\$358,711)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$358,711)
Remaining:												*
<b>Botetourt County</b>												
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
Botetourt County												
103210	RTE. 220 Corridor - Replace 2 Narrow Structures - 0.239 Mi. North of Rte. 43; 0.630 Mi. South of Rte. 694 (0.9310 MI)											
0220	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$47,816	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$47,816
Remaining:												*
<b>T9912907 - Construction : Bridge Rehabilitation/Replacement/Reconstruction</b>												
Botetourt County												
77300	RTE. 11 OVER TINKER CREEK (STR 03166) - BRIDGE REPLACEMENT - 0.04 Mile North of Route 1039; 0.13 Mile North of Route 1039 (0.1100 MI)											
0011	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$208,975	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$208,975
	Released:	\$0	\$0	(\$3,112)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$3,112)
Remaining:												*

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Botetourt County</b>												
77302	RTE. 11 OVER TINKER CREEK (STR. 3167) - BRIDGE REPLACEMENT - Route 838; 0.09 Mile North of Route 838 (0.0900 MI)											
0011	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$8,568	\$0	\$103,782	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$112,350
											Remaining:	*
<b>BOTETOURET COUNTY SUBTOTAL</b>												
	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$8,568	\$0	\$360,573	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$369,141
	Released:	\$0	\$0	(\$3,112)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$3,112)
											Remaining:	*
<b>Montgomery County</b>												
<b>T9912904 - Maintenance : Preventive Maintenance for Bridges</b>												
<b>Montgomery County</b>												
110624	#SGR18VB - RT 11 OVER NSRR (STR. 12118) - DECK REPLACE - 0.4 Mi. North of Big Spring Drive; 0.4 Mi. South of North Fork Road (0.2100 MI)											
0011	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$859,856	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$859,856
											Remaining:	*
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
<b>Montgomery County</b>												
92558	RTE. 603 - IRONTO/ELLISTON CONNECTOR - I-81 Exit 128; Intersection Rte. 11/460 (2.0110 MI)											
0603	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$232,296)	\$0	(\$778,480)	\$0	\$0	\$0	\$0	\$0	\$0	(\$722,158)	(\$1,732,934)
											Remaining:	*
<b>MONTGOMERY COUNTY SUBTOTAL</b>												
	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$859,856	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$859,856
	Released:	(\$232,296)	\$0	(\$778,480)	\$0	\$0	\$0	\$0	\$0	\$0	(\$722,158)	(\$1,732,934)
											Remaining:	*
<b>Multi-Jurisdictional: Roanoke MPO</b>												
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
<b>Multi-Jurisdictional: Roanoke MPO</b>												
9999	CN: SAFETY/ITS/OPERATIONAL/IMPROVEMENTS - (T18999)											
0000	TIP:	\$1,150,000	\$0	\$1,220,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,370,000
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
											Remaining:	\$2,370,000
<b>MULTI-JURISDICTIONAL: ROANOKE MPO SUBTOTAL</b>												
	TIP:	\$1,150,000	\$0	\$1,220,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,370,000
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
											Remaining:	\$2,370,000



Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL	
<b>Roanoke</b>													
<b>T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional</b>													
Roanoke	72180	CITY OF ROANOKE - ROANOKE RIVER GREENWAY - WITHIN THE CITY OF ROANOKE LIMITS (0.0000 MI)											
	2180	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Released:	\$0	\$0	(\$147,900)	\$0	\$0	\$0	\$0	\$0	\$0	(\$147,900)	
												Remaining:	*
Roanoke	106265	GARDEN CITY BLVD BIKE/PED - TRANSPORTATION ALTERNATIVES - Davenport Ave/Ivywood St; Riverland Rd ( )											
	6265	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Released:	\$0	\$0	(\$122,960)	\$0	\$0	\$0	\$0	\$0	\$0	(\$122,960)	
												Remaining:	*
<b>T9912904 - Maintenance : Preventive Maintenance for Bridges</b>													
Roanoke	106837	BRIDGE REHAB - RTE. I-581 OVER ORANGE AVE. (STR. 21742) - 2.83 Mi. Int. Rte. 101; 0.43 Mi. Int. Rte. 11 (0.1000 MI)											
	0581	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Released:	(\$450)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$450)	
												Remaining:	*
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>													
Roanoke	109558	Flashing Yellow Arrow Upgrade - Williamson Rd & Airport Rd - Williamson Road; Airport Road ( )											
	0011	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Released:	\$0	\$0	(\$4,083)	\$0	\$0	\$0	\$0	\$0	\$0	(\$4,083)	
												Remaining:	*
Roanoke	109562	Flashing Yellow Arrow Upgrade - Valley View - Valley View Blvd. NW; Valley View Ave. NW ( )											
	0019	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Released:	\$0	\$0	(\$8,778)	\$0	\$0	\$0	\$0	\$0	\$0	(\$8,778)	
												Remaining:	*
Roanoke	109567	Flashing Yellow Arrow Upgrade - Jefferson St. & Elm Ave. - Elm Avenue; Jefferson Street ( )											
	0024	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Released:	\$0	\$0	(\$5,631)	\$0	\$0	\$0	\$0	\$0	\$0	(\$5,631)	
												Remaining:	*
Roanoke	109566	Orange Avenue/ Blue Hills Signal Upgrade - City of Roanoke - Orange Avenue; Blue Hills ( )											
	0460	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Released:	\$0	\$0	(\$8,508)	\$0	\$0	\$0	\$0	\$0	\$0	(\$8,508)	
												Remaining:	*
Roanoke	109570	Orange Avenue/ Hollins Road Signal Upgrade - City of Roanoke - Route 460; Route 115 ( )											
	0460	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Obligated:	\$0	\$0	\$35,567	\$0	\$0	\$0	\$0	\$0	\$0	\$35,567	
		Released:	\$0	\$0	(\$20,000)	\$0	\$0	\$0	\$0	\$0	\$0	(\$20,000)	
												Remaining:	*

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
Roanoke	111135 Flashing Yellow Arrow - Various locations - Roanoke City - Various; Various ( )											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$70,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$70,000
												Remaining: *
Roanoke	111137 Rectangular Rapid Flashing Beacons - Roanoke City - Various; Various ( )											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
												Remaining: *
Roanoke	114765 PEDESTRIAN SIGNAL UPGRADES - CITY OF ROANOKE - VARIOUS; VARIOUS ( )											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$158,644	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$158,644
												Remaining: *
Roanoke	113569 State Road 118 Tunnel Lighting Improvements - Airport Road Tunnel; N/A ( )											
	0000 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	\$0	\$0	\$0	\$0	(\$80,000)	\$0	\$0	\$0	(\$80,000)
												Remaining: *
Roanoke	111370 #SMART18 - Hollins Rd & Orange Ave Intersection Improvements - 0.2 Mi West of Int Orange Ave/Hollins Rd; Int Hollins Rd/McDowell Ave (0.2000 MI)											
	0460 TIP:	\$0	\$0	\$0	\$0	\$0	\$172,379	\$0	\$0	\$0	\$0	\$172,379
	Obligated:	\$290,249	\$0	\$721,259	\$0	\$0	\$0	\$0	\$0	\$831,952	\$0	\$1,843,460
												Remaining: *
Roanoke	115454 #SMART20 - Orange Ave (US 460) Improvements - King Street; Blue Hills/Mexico Way (0.6000 MI)											
	0460 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$125,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$125,000
												Remaining: *
Roanoke	109569 Flashing Yellow Arrow Upgrade - Brandon Ave. & Colonial Ave. - Brandon Avenue; Colonial Avenue ( )											
	8029 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$8,171)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$8,171)
												Remaining: *
<b>ROANOKE SUBTOTAL</b>												
	TIP:	\$0	\$0	\$0	\$0	\$0	\$172,379	\$0	\$0	\$0	\$0	\$172,379
	Obligated:	\$290,249	\$0	\$1,119,470	\$0	\$0	\$0	\$0	\$0	\$831,952	\$0	\$2,241,671
	Released:	(\$450)	\$0	(\$326,030)	\$0	\$0	\$0	(\$80,000)	\$0	\$0	\$0	(\$406,480)
												Remaining: *

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Roanoke County</b>												
<b>T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional</b>												
Roanoke County												
11366	#SMART18 - Plantation Rd Bike/Ped/Streetscape Phase II - Walrond Drive; Gander Way (0.2000 MI)											
0115	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$135,252	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$135,252
<b>Remaining:</b>												*
Roanoke County												
113567	Roanoke River Greenway through Explore Park - Entrance to Explore Park; Through Explore Park ( )											
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$345,342	\$0	\$0	\$0	\$345,342
<b>Remaining:</b>												*
Roanoke County												
91191	Rnke River Grnwly - City of Roanoke to Blue Ridge Parkway - City of Roanoke; Rte 618 (Highland Rd) (2.6000 MI)											
1191	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$761	\$0	\$0	\$0	\$761
<b>Remaining:</b>												*
Roanoke County												
97171	#HB2.FY17 Roanoke Co, RRG, Green Hilll Pk to Riverside Pk - Green Hill Park; Riverside Park (1.7300 MI)											
7171	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$56,259	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$56,259
<b>Remaining:</b>												*
Roanoke County												
103607	Roanoke Co., Plantation Road Streetscape Improvements - Williamson Road (Route 11); Gander Way / Friendship Ln (0.7200 MI)											
3607	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$11,012	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$11,012
	Released:	\$0	\$0	(\$117,939)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*
<b>T9912904 - Maintenance : Preventive Maintenance for Bridges</b>												
Roanoke County												
105541	Latex Concrete Deck Overlay Bridge Maintenance Project - 3.58 Mi. to Rte. 419; 1.40 Mi. to Rte. 115 (0.3200 MI)											
0081	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$104,582)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$104,582)
<b>Remaining:</b>												*
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
Roanoke County												
99542	RTE. 81 - EXIT 140 Park 'N Ride Facility Expansion - Int Rte 1128 and Rte 1150; 0.17 Mi. West of Int Rte 1128 and 1150 (0.1700 MI)											
0081	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$99,774)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$99,774)
<b>Remaining:</b>												*
Roanoke County												
108905	#HB2.FY17 Lila Dr / Rte 115 Intersection Safety Improvements - Lila Drive; Route 115 (Plantation Road) (0.1000 MI)											
0115	TIP:	\$993,415	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$993,415
	Obligated:	\$251,227	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$251,227
<b>Remaining:</b>												\$742,188

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL	
Roanoke County													
107054	Route 311 - Roanoke County - Pedestrian Safety Improvements - NCL Salem; 0.02 Mile North of I-81 SB Ramp (0.0900 MI)												
0311	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Released:	\$0	\$0	(\$73,556)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$73,556)	
												Remaining:	*
Roanoke County													
107061	#HB2.FY17 Rte 419 Safety Improvements at Tanglewood - Route 419; Route 867 (0.5700 MI)												
0419	TIP:	\$0	\$0	\$0	\$0	\$0	\$357,396	\$0	\$0	\$0	\$0	\$357,396	
	Obligated:	\$236,429	\$0	\$1,296,730	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,533,159	
	Released:	\$0	\$0	\$0	\$0	\$0	(\$133,359)	\$0	\$0	\$0	\$0	(\$133,359)	
												Remaining:	*
Roanoke County													
111407	#SMART18 - Rte 419 & Rte 221 Adaptive Traffic Control - Rte 221; Rte 419 ( )												
0419	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Obligated:	\$30,029	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$30,029	
												Remaining:	*
Roanoke County													
115460	#SMART20 - Rte 419 & Rte 220 Diverging Diamond Interchange - 0.5 Mi. W. Rte. 220; 0.23 Mi. E.. Rte. 220 (0.7300 MI)												
0419	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$1,039,771	\$0	\$0	\$0	\$1,039,771	
												Remaining:	*
Roanoke County													
107055	Route 11 & 117 Roanoke Co. - Bike & Ped Safety Improvements - Route 117; Route 11 (0.4500 MI)												
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Obligated:	\$0	\$0	\$241,495	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$241,495	
												Remaining:	*
Roanoke County													
15190	RTE 688 - RECONSTRUCTION - 0.056 MILE SOUTH ROUTE 221; 0.105 MILE SOUTH ROUTE 934 (0.6566 MI)												
0688	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Obligated:	\$0	\$0	\$641,423	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$641,423	
												Remaining:	*
Roanoke County													
15187	RTE 1662 - RECONSTRUCTION & REPLACE BRIDGE OVER MUD LICK CK - INT. OF ROUTE 1663; INT. OF ROUTE 419 (0.4680 MI)												
1662	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	Released:	\$0	\$0	(\$245,944)	\$0	\$0	\$0	\$0	(\$2,387,337)	\$0	\$0	(\$2,633,281)	
												Remaining:	*

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912907 - Construction : Bridge Rehabilitation/Replacement/Reconstruction</b>												
Roanoke County												
77305	RTE. 116 OVER BACK CREEK (STR. 14928) - BRIDGE REPLACEMENT - 0.285 MILE SOUTH ROUTE 945; 0.584 MILE SOUTH ROUTE 945 (0.3100 MI)											
0116	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$66,652)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$66,652)
<b>Remaining:</b>												*
Roanoke County												
94726	RTE. 221 OVER MARTINS CREEK (STR. 14945) - BRIDGE REPLACEMEN - 0.01 mi S. Int Rte 696; 0.01 mi N. Int. Rte 696 ( )											
0221	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$43,831	\$0	\$0	\$43,831
<b>Remaining:</b>												*
Roanoke County												
115473	#SGR17VB - RT 813 OVER ROANOKE RIVER (STR12363) SUB REPAIRS - 0.10 Mile from Int. Rte. 11/460; 0.18 Mile from Int. Rte. 11/460 (0.0800 MI)											
0813	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$304,958	\$0	\$0	\$304,958
<b>Remaining:</b>												*
<b>ROANOKE COUNTYSUBTOTAL</b>												
	TIP:	\$993,415	\$0	\$0	\$0	\$0	\$357,396	\$0	\$0	\$0	\$0	\$1,350,811
	Obligated:	\$517,685	\$0	\$2,382,171	\$0	\$0	\$0	\$1,385,874	\$348,789	\$0	\$0	\$4,634,519
	Released:	(\$104,582)	\$0	(\$603,865)	\$0	\$0	(\$133,359)	\$0	(\$2,387,337)	\$0	\$0	(\$3,229,142)
<b>Remaining:</b>												\$742,188
<b>Salem</b>												
<b>T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional</b>												
Salem												
56409	CITY OF SALEM - CONSTRUCTION OF 7 MILE BICYCLE/PEDESTRIAN - Western limits of Green Hill Park, Roanoke County; Eastern corporate limits of City of Salem (7.0000 MI)											
6409	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$36	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$36
<b>Remaining:</b>												*
Salem												
113566	Elizabeth Greenway - Mason Creek Greenway; East Main Street Greenway ( )											
0000	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$84,934	\$0	\$0	\$0	\$84,934
<b>Remaining:</b>												*
Salem												
106486	Eddy Ave Bike/Ped Bridge - David Smith Trail; Phase 3A Roanoke River Greenway (0.0400 MI)											
0000	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	\$0	\$0	\$0	\$0	(\$224,369)	\$0	\$0	\$0	(\$224,369)
<b>Remaining:</b>												*
Salem												
101838	Bridge on Phase 3A_City of Salem Roanoke River Greenway - approximately 1200' E. Mill Lane; Eddy St. ( )											
1838	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$170,411	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$170,411
<b>Remaining:</b>												*
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
Salem												
8753	#HB2.FY17 Rte460 - Widen To 3 Ln w/ Bike Ln, Curb, Sidewalk - 0.028 Mi. West of Route 311 (Thompson Memorial Blvd.); 0.006 Mi. West of Brand Ave. (0.5473 MI)											
0460	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$2,797,334)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,797,334)
<b>Remaining:</b>												*

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912907 - Construction : Bridge Rehabilitation/Replacement/Reconstruction</b>												
Salem												
	110574 #SGR18LB - Apperson Drive Bridge Replacement - East Riverside Drive; Route 419 - Electric Road (0.0900 MI)											
	0011 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$342,400	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$342,400
<b>Remaining:</b>												*
SALEM SUBTOTAL												
	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$512,847	\$0	\$0	\$0	\$84,934	\$0	\$0	\$0	\$597,781
	Released:	\$0	\$0	(\$2,797,334)	\$0	\$0	\$0	(\$224,369)	\$0	\$0	\$0	(\$3,021,703)
<b>Remaining:</b>												*
<b>Salem District-wide</b>												
<b>T9912903 - Maintenance : Preventive Maintenance and System Preservation</b>												
Salem District-wide												
	G722 STIP-MN Salem: Preventive MN and System Preservation - (T14722)											
	0000 TIP:	\$4,399,286	\$0	\$10,815,754	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$15,215,040
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												\$15,215,040
<b>T9912904 - Maintenance : Preventive Maintenance for Bridges</b>												
Salem District-wide												
	G721 STIP-MN Salem: Preventive MN for Bridges - (T14721)											
	0000 TIP:	\$1,000,000	\$0	\$7,913,300	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$9,913,300
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												\$9,913,300
<b>T9912905 - Maintenance : Traffic and Safety Operations</b>												
Salem District-wide												
	108511 FED ELIG. SECONDARY MARKING RETRACE 2017 - SALEM DIST. - Various; Various ( )											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$1,210,600	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,210,600
<b>Remaining:</b>												*
Salem District-wide												
	G720 STIP-MN Salem: Traffic and Safety Operations - (T14720)											
	0000 TIP:	\$0	\$0	\$2,219,884	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,219,884
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												\$2,219,884
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
Salem District-wide												
	113708 Task Order Salem D/W ADA Compliance - various; various ( )											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$96,623	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$96,623
<b>Remaining:</b>												*
Salem District-wide												
	117212 FY 21 Pedestrian Crossing Improvements - various; various ( )											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
<b>Remaining:</b>												*

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
Salem District-wide												
117213	FY 21 Unsignalized Intersections - Various; Various ( )											
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
<b>Remaining:</b>												*
Salem District-wide												
117214	FY 21 Centerline Rumble Strips - Various; Various ( )											
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
<b>Remaining:</b>												*
Salem District-wide												
117215	FY 21 Edgeline Rumblestrips - various; various ( )											
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000
<b>Remaining:</b>												*
SALEM DISTRICT-WIDE SUBTOTAL												
	TIP:	\$5,399,286	\$0	\$20,948,938	\$0	\$0	\$0	\$0	\$1,000,000	\$0	\$0	\$27,348,224
	Obligated:	\$0	\$0	\$1,507,223	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,507,223
	Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*
<b>Vinton</b>												
<b>T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional</b>												
Vinton												
113565	Walnut Avenue Bicycle and Pedestrian Accommodations - W. Lee Avenue; 1st Street ( )											
0000	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$55,600	\$0	\$0	\$0	\$55,600
<b>Remaining:</b>												*
Vinton												
111649	Walnut Ave Bike/Ped Accommodations (5th St to Town limit) - 5th Street; Town Limits ( )											
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$40,240	\$0	\$0	\$0	\$40,240
<b>Remaining:</b>												*
Vinton												
109611	GLADE CREEK GREENWAY, PHASE 2 - Intersection of 5th St and Walnut Ave; Gus Nicks Blvd (0.7000 MI)											
9611	TIP:	\$0	\$0	\$0	\$0	\$0	\$140,651	\$0	\$0	\$0	\$0	\$140,651
	Obligated:	\$0	\$0	\$336,846	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$336,846
<b>Remaining:</b>												*
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
Vinton												
114766	PEDESTRIAN SIGNAL UPGRADES - TOWN OF VINTON - INT. VINYARD RD. AND HARDY RD. (LOC. 1); INT. WASHINGTON AVE. AND POLLARD ST. (LOC. 2) ( )											
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$22,050)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$22,050)
<b>Remaining:</b>												*

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL	
<b>T9912907 - Construction : Bridge Rehabilitation/Replacement/Reconstruction</b>													
Vinton	76677	replace bridge and approaches over Glade Creek - 0.098 Miles West of 5th St.; 0.052 Miles East of 5th St. (0.1500 MI)											
	6677	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		Obligated:	\$0	\$0	\$43,699	\$0	\$0	\$0	\$0	\$0	\$0	\$43,699	
												<b>Remaining:</b>	*
<b>VINTON SUBTOTAL</b>													
		TIP:	\$0	\$0	\$0	\$0	\$0	\$140,651	\$0	\$0	\$0	\$0	
		Obligated:	\$0	\$0	\$380,545	\$0	\$0	\$0	\$95,840	\$0	\$0	\$0	
		Released:	\$0	\$0	(\$22,050)	\$0	\$0	\$0	\$0	\$0	\$0	(\$22,050)	
												<b>Remaining:</b>	*
<b>MPO SUBTOTAL</b>													
		TIP:	\$7,542,701	\$0	\$22,168,938	\$0	\$0	\$670,426	\$0	\$1,000,000	\$0	\$0	
		Obligated:	\$1,676,358	\$0	\$8,981,105	\$0	\$0	\$0	\$1,566,648	\$348,789	\$831,952	\$0	
		Released:	(\$337,328)	\$0	(\$4,889,582)	\$0	\$0	-\$133,359	(\$304,369)	(\$2,387,337)	\$0	(\$722,158)	
												<b>Remaining:</b>	<b>\$33,572,600</b>



**LIST OF FEDERAL FUNDS OBLIGATED BY TRANSIT AGENCY**

FFY2020

<b>ROANOKE AREA MPO</b>	<b>FEDERAL FUNDS OBLIGATED</b>	<b>YEAR</b>	<b>CMAQ</b>	<b>RSTP</b>	<b>Flexible STP</b>	<b>FTA</b>	<b>Other</b>	<b>TOTAL</b>
<b>Greater Roanoke Transit Company</b>								
Intercity Bus	FTA 5311	2019				\$605,476		\$ 605,476
Support Vehicle (3)	FTA 5339	2019				\$ 26,999		\$ 26,999
GRTC Bus Replacement and Rebuild Program	Flexed to FTA	2019/20		\$3,181,273				\$3,181,273
<b>Lutheran Family Services of Virginia</b>								
Expansion Paratransit Vehicle (1)	FTA 5310	2019				\$ 48,000		\$ 48,000
<b>RADAR/UHSTS</b>								
Replacement Paratransit Vehicle (2)	FTA 5310	2019				\$104,000		\$ 104,000
Operating	FTA 5310	2019				\$ 84,000		\$ 84,000
<b>TOTAL</b>			<b>\$ -</b>	<b>\$3,181,273</b>	<b>\$ -</b>	<b>\$868,475</b>	<b>\$ -</b>	<b>\$4,049,748</b>

## **APPENDIX A: Ungrouped Projects**

# STIP Transactions

## Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Interstate</b>												
<b>Roanoke County</b>												
	110395 #HB2.FY17 I-81 AUX LN FR EXIT 141 -143 GARVEE DEBT SERVICE - ( )											
	0081 TIP:	\$413,673	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$413,673
	Obligated:	\$939,732	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$939,732
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	111983 #SMART18 - 81 SB Aux Ln frm Exit 143-141 GARVEE Debt Service - ( )											
	0081 TIP:	\$306,924	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$306,924
	Obligated:	\$0	1652450	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$1,652,450
<b>Remaining:</b>												*
<b>INTERSTATE SUBTOTAL</b>												
	TIP:	\$720,597	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$720,597
	Obligated:	\$939,732	1652450	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$2,592,182
	Released:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*

## STIP Transactions

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Primary</b>												
0	No projects identified in the MPO Area											
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*

# STIP Transactions

## Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Urban</b>												
<b>Roanoke</b>												
	<b>688</b>	<b>13TH STREET AND HOLLINS ROAD - .024 MILE SOUTH OF CHURCH AVENUE; INT. OF NORFOLK AVENUE (0.2443 MI)</b>										
	<b>TIP:</b>	\$0	0	(\$1,450,013)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$1,450,013)
	<b>Obligated:</b>	\$0	0	\$584,892	\$0	\$0	0	\$0	\$0	\$0	\$0	\$584,892
	<b>Released:</b>	\$0	0	(\$584,892)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$584,892)
<b>Remaining:</b>												*
<b>URBAN SUBTOTAL</b>												
	<b>TIP:</b>	\$0	0	(\$1,450,013)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$1,450,013)
	<b>Obligated:</b>	\$0	0	\$584,892	\$0	\$0	0	\$0	\$0	\$0	\$0	\$584,892
	<b>Released:</b>	\$0	0	(\$584,892)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$584,892)
<b>Remaining:</b>												*

## STIP Transactions

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Secondary</b>												
0	No projects identified in the MPO Area											
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*

## STIP Transactions

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Miscellaneous</b>												
0	No projects identified in the MPO Area											
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*

## STIP Transactions

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Public Transportation</b>												
0	No projects identified in the MPO Area											
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*



## STIP Transactions

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Rail</b>												
0	No projects identified in the MPO Area											
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*

## STIP Transactions

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Enhancement</b>												
0	No projects identified in the MPO Area											
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*

# STIP Transactions

## Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
Grouping												
<b>G901 Construction : Transportation Enhancement/Byway/Non-Traditional - (T9912901)</b>												
2901	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$709,816	\$0	\$0	140651	\$526,877	\$0	\$0	\$0	\$1,377,344
	Released:	\$0	0	(\$388,798)	\$0	\$0	0	(\$224,369)	\$0	\$0	\$0	(\$613,167)
<b>Remaining:</b>												*
<b>G903 Maintenance : Preventive Maintenance and System Preservation - (T9912903)</b>												
2903	TIP:	\$4,399,286	0	\$10,815,754	\$0	\$0	0	\$0	\$0	\$0	\$0	\$15,215,040
	Obligated:	\$0	0	\$1,729,000	\$0	\$0	0	\$0	\$0	\$0	\$0	\$1,729,000
<b>Remaining:</b>												<b>\$13,486,040</b>
<b>G904 Maintenance : Preventive Maintenance for Bridges - (T9912904)</b>												
2904	TIP:	\$1,000,000	0	\$7,913,300	\$0	\$0	0	\$0	\$1,000,000	\$0	\$0	\$9,913,300
	Obligated:	\$859,856	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$859,856
	Released:	(\$105,032)	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$105,032)
<b>Remaining:</b>												<b>\$9,053,444</b>
<b>G905 Maintenance : Traffic and Safety Operations - (T9912905)</b>												
2905	TIP:	\$0	0	\$2,219,884	\$0	\$0	0	\$0	\$0	\$0	\$0	\$2,219,884
	Obligated:	\$0	0	\$1,210,600	\$0	\$0	0	\$0	\$0	\$0	\$0	\$1,210,600
<b>Remaining:</b>												<b>\$1,009,284</b>
<b>G906 Construction : Safety/ITS/Operational Improvements - (T9912906)</b>												
2906	TIP:	\$2,143,415	0	\$1,220,000	\$0	\$0	0	\$0	\$0	\$0	\$0	\$3,363,415
	Obligated:	\$807,934	0	\$4,632,834	\$0	\$0	529775	\$1,039,771	\$0	\$831,952	\$0	\$7,842,265
	Released:	(\$232,296)	0	(\$4,431,019)	\$0	\$0	-133359	(\$80,000)	(\$2,387,337)	\$0	(\$722,158)	(\$7,986,169)
<b>Remaining:</b>												*

# STIP Transactions

## Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>G907 Construction : Bridge Rehabilitation/Replacement/Reconstruction - (T9912907)</b>												
	<b>2907</b>	<b>TIP:</b>	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		<b>Obligated:</b>	\$8,568	0	\$698,856	\$0	0	\$0	\$348,789	\$0	\$0	\$1,056,213
		<b>Released:</b>	\$0	0	(\$69,764)	\$0	0	\$0	\$0	\$0	\$0	(\$69,764)
											<b>Remaining:</b>	*
<b>GROUPING SUBTOTAL</b>												
		<b>TIP:</b>	\$7,542,701	0	\$22,168,938	\$0	\$0	0	\$0	\$1,000,000	\$0	\$0
		<b>Obligated:</b>	\$1,676,358	0	\$8,981,105	\$0	\$0	670426	\$1,566,648	\$348,789	\$831,952	\$0
		<b>Released:</b>	(\$337,328)	0	(\$4,889,582)	\$0	\$0	-133359	(\$304,369)	(\$2,387,337)	\$0	(\$722,158)
											<b>Remaining:</b>	\$16,636,361
<b>MPO SUBTOTAL</b>												
		<b>TIP:</b>	\$8,263,298	0	\$20,718,925	\$0	\$0	0	\$0	\$1,000,000	\$0	\$0
		<b>Obligated:</b>	\$2,616,089	1652450	\$9,565,997	\$0	\$0	670426	\$1,566,648	\$348,789	\$831,952	\$0
		<b>Released:</b>	(\$337,328)	0	(\$5,474,474)	\$0	\$0	-133359	(\$304,369)	(\$2,387,337)	\$0	(\$722,158)
											<b>Remaining:</b>	\$12,729,871

## **APPENDIX B: Grouped Projects**

# STIP Grouping Detail

## Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional</b>												
<b>Roanoke</b>												
	<b>72180</b>	<b>CITY OF ROANOKE - ROANOKE RIVER GREENWAY - WITHIN THE CITY OF ROANOKE LIMITS (0.0000 MI)</b>										
	<b>2180</b>	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0
	<b>InCO</b>	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0
		Released:	\$0	0	(\$147,900)	\$0	\$0	0	\$0	\$0	\$0	(\$147,900)
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	<b>111366</b>	<b>#SMART18 - Plantation Rd Bike/Ped/Streetscape Phase II - Walrond Drive; Gander Way (0.2000 MI)</b>										
	<b>0115</b>	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$135,252	\$0	\$0	0	\$0	\$0	\$0	\$135,252
<b>Remaining:</b>												*
<b>Salem</b>												
	<b>56409</b>	<b>CITY OF SALEM - CONSTRUCTION OF 7 MILE BICYCLE/PEDESTRIAN - Western limits of Green Hill Park, Roanoke County; Eastern corporate limits of City of Salem (7.0000 MI)</b>										
	<b>6409</b>	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0
	<b>InCO</b>	Obligated:	\$0	0	\$36	\$0	\$0	0	\$0	\$0	\$0	\$36
<b>Remaining:</b>												*
<b>Salem</b>												
	<b>1113566</b>	<b>Elizabeth Greenway - Mason Creek Greenway; East Main Street Greenway ( )</b>										
	<b>0000</b>	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$0	\$0	\$0	0	\$84,934	\$0	\$0	\$84,934
<b>Remaining:</b>												*
<b>Vinton</b>												
	<b>1113565</b>	<b>Walnut Avenue Bicycle and Pedestrian Accommodations - W. Lee Avenue; 1st Street ( )</b>										
	<b>0000</b>	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$0	\$0	\$0	0	\$55,600	\$0	\$0	\$55,600
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	<b>1113567</b>	<b>Roanoke River Greenway through Explore Park - Entrance to Explore Park; Through Explore Park ( )</b>										
	<b>9999</b>	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$0	\$0	\$0	0	\$345,342	\$0	\$0	\$345,342
<b>Remaining:</b>												*

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Vinton</b>												
	<b>111649</b>	<b>Walnut Ave Bike/Ped Accommodations (5th St to Town limit) - 5th Street; Town Limits ( )</b>										
	<b>9999</b>	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$0	\$0	0	\$40,240	\$0	\$0	\$0	\$40,240
<b>Remaining:</b>												*
<b>Roanoke</b>												
	<b>106265</b>	<b>GARDEN CITY BLVD BIKE/PED - TRANSPORTATION ALTERNATIVES - Davenport Ave/Ivywood St; Riverland Rd ( )</b>										
	<b>6265</b>	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	0	(\$122,960)	\$0	0	\$0	\$0	\$0	\$0	(\$122,960)
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	<b>91191</b>	<b>Rnke River Grnwy - City of Roanoke to Blue Ridge Parkway - City of Roanoke; Rte 618 (Highland Rd) (2.6000 MI)</b>										
	<b>1191</b>	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$0	\$0	0	\$761	\$0	\$0	\$0	\$761
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	<b>97171</b>	<b>#HB2.FY17 Roanoke Co, RRG, Green Hill Pk to Riverside Pk - Green Hill Park; Riverside Park (1.7300 MI)</b>										
	<b>7171</b>	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$56,259	\$0	0	\$0	\$0	\$0	\$0	\$56,259
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	<b>103607</b>	<b>Roanoke Co., Plantation Road Streetscape Improvements - Williamson Road (Route 11); Gander Way / Friendship Ln (0.7200 MI)</b>										
	<b>3607</b>	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$11,012	\$0	0	\$0	\$0	\$0	\$0	\$11,012
		Released:	\$0	0	(\$117,939)	\$0	0	\$0	\$0	\$0	\$0	(\$117,939)
<b>Remaining:</b>												*
<b>Salem</b>												
	<b>106486</b>	<b>Eddy Ave Bike/Ped Bridge - David Smith Trail; Phase 3A Roanoke River Greenway (0.0400 MI)</b>										
	<b>0000</b>	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	0	(\$0)	\$0	0	(\$224,369)	\$0	\$0	\$0	(\$224,369)
<b>Remaining:</b>												*

## STIP Grouping Detail

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount													
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL	
<b>Salem</b>													
	101838	Bridge on Phase 3A_City of Salem Roanoke River Greenway - approximately 1200' E. Mill Lane; Eddy St. ( )											
	1838	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	
		Obligated:	\$0	0	\$170,411	\$0	\$0	0	\$0	\$0	\$0	\$170,411	
<b>Remaining:</b>												*	
<b>Vinton</b>													
	109611	GLADE CREEK GREENWAY, PHASE 2 - Intersection of 5th St and Walnut Ave; Gus Nicks Blvd (0.7000 MI)											
	9611	TIP:	\$0	0	\$0	\$0	140651	\$0	\$0	\$0	\$0	\$0	
		Obligated:	\$0	0	\$336,846	\$0	\$0	0	\$0	\$0	\$0	\$477,497	
<b>Remaining:</b>												*	
		<b>0</b>											<b>\$0</b>
<b>T9912901 - CONSTRUCTION : TRANSPORTATION ENHANCEMENT/BYWAY/NON-TRADITIONAL SUBTOTAL</b>													
		TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	
		Obligated:	\$0	0	\$709,816	\$0	\$0	140651	\$526,877	\$0	\$0	\$1,377,344	
		Released:	\$0	0	(\$388,798)	\$0	\$0	0	(\$224,369)	\$0	\$0	(\$613,167)	
<b>Remaining:</b>												*	



## STIP Grouping Detail

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL	
<b>T9912903 - Maintenance : Preventive Maintenance and System Preservation</b>													
<b>Bedford County</b>													
	<b>109903 F17 Plant Mix Bedford County - Primaries PM2L-009-F17 - Various; Various (6.4300 MI)</b>												
	9903 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0	
	InCO Obligated:	\$0	0	\$1,729,000	\$0	\$0	0	\$0	\$0	\$0	\$0	\$1,729,000	
<b>Remaining:</b>												*	
<b>Salem District-wide</b>													
	<b>G722 STIP-MN Salem: Preventive MN and System Preservation - (T14722)</b>												
	0000 TIP:	\$4,399,286	0	\$10,815,754	\$0	\$0	0	\$0	\$0	\$0	\$0	\$15,215,040	
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0	
<b>Remaining:</b>												<b>\$15,215,040</b>	
				<b>0</b>									<b>\$10,815,754</b>
<b>T9912903 - MAINTENANCE : PREVENTIVE MAINTENANCE AND SYSTEM PRESERVATION SUBTOTAL</b>													
	TIP:	\$4,399,286	0	\$10,815,754	\$0	\$0	0	\$0	\$0	\$0	\$0	\$15,215,040	
	Obligated:	\$0	0	\$1,729,000	\$0	\$0	0	\$0	\$0	\$0	\$0	\$1,729,000	
	Released:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0	
<b>Remaining:</b>												<b>\$13,486,040</b>	

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
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#### T9912904 - Maintenance : Preventive Maintenance for Bridges

**Roanoke County**

**105541 Latex Concrete Deck Overlay Bridge Maintenance Project - 3.58 Mi. to Rte. 419; 1.40 Mi. to Rte. 115 (0.3200 MI)**

<b>0081</b>	<b>TIP:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>InCO</b>	<b>Obligated:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	<b>Released:</b>	(\$104,582)	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$104,582)

**Remaining: \***

**Roanoke**

**106837 BRIDGE REHAB - RTE. I-581 OVER ORANGE AVE. (STR. 21742) - 2.83 Mi. Int. Rte. 101; 0.43 Mi. Int. Rte. 11 (0.1000 MI)**

<b>0581</b>	<b>TIP:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>InCO</b>	<b>Obligated:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	<b>Released:</b>	(\$450)	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$450)

**Remaining: \***

**Montgomery County**

**110624 #SGR18VB - RT 11 OVER NSRR (STR. 12118) - DECK REPLACE - 0.4 Mi. North of Big Spring Drive; 0.4 Mi. South of North Fork Road (0.2100 MI)**

<b>0011</b>	<b>TIP:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	<b>Obligated:</b>	\$859,856	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$859,856

**Remaining: \***

**Salem District-wide**

**G721 STIP-MN Salem: Preventive MN for Bridges - (T14721)**

<b>0000</b>	<b>TIP:</b>	\$1,000,000	0	\$7,913,300	\$0	\$0	0	\$0	\$1,000,000	\$0	\$0	\$9,913,300
	<b>Obligated:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0

**Remaining: \$9,913,300**

**0 \$7,913,300**

**T9912904 - MAINTENANCE : PREVENTIVE MAINTENANCE FOR BRIDGES SUBTOTAL**

	<b>TIP:</b>	\$1,000,000	0	\$7,913,300	\$0	\$0	0	\$0	\$1,000,000	\$0	\$0	\$9,913,300
	<b>Obligated:</b>	\$859,856	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$859,856
	<b>Released:</b>	(\$105,032)	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$105,032)

**Remaining: \$9,053,444**

## STIP Grouping Detail

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912905 - Maintenance : Traffic and Safety Operations</b>												
<b>Salem District-wide</b>												
	<b>108511</b>	<b>FED ELIG. SECONDARY MARKING RETRACE 2017 - SALEM DIST. - Various; Various ( )</b>										
	<b>9999</b>	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$1,210,600	\$0	0	\$0	\$0	\$0	\$0	\$1,210,600
<b>Remaining:</b>												*
<b>Salem District-wide</b>												
	<b>G720</b>	<b>STIP-MN Salem: Traffic and Safety Operations - (T14720)</b>										
	<b>0000</b>	TIP:	\$0	0	\$2,219,884	\$0	0	\$0	\$0	\$0	\$0	\$2,219,884
		Obligated:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												<b>\$2,219,884</b>
				<b>0</b>	<b>\$2,219,884</b>							
<b>T9912905 - MAINTENANCE : TRAFFIC AND SAFETY OPERATIONS SUBTOTAL</b>												
		TIP:	\$0	0	\$2,219,884	\$0	\$0	0	\$0	\$0	\$0	\$2,219,884
		Obligated:	\$0	0	\$1,210,600	\$0	\$0	0	\$0	\$0	\$0	\$1,210,600
		Released:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												<b>\$1,009,284</b>

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
<b>Roanoke County</b>												
	<b>99542 RTE. 81 - EXIT 140 Park 'N Ride Facility Expansion - Int Rte 1128 and Rte 1150; 0.17 Mi. West of Int Rte 1128 and 1150 (0.1700 MI)</b>											
	0081 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	(\$99,774)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$99,774)
<b>Remaining:</b>												*
<b>Montgomery County</b>												
	<b>92558 RTE. 603 - IRONTO/ELLISTON CONNECTOR - I-81 Exit 128; Intersection Rte. 11/460 (2.0110 MI)</b>											
	0603 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$232,296)	0	(\$778,480)	\$0	\$0	0	\$0	\$0	\$0	(\$722,158)	(\$1,732,934)
<b>Remaining:</b>												*
<b>Roanoke</b>												
	<b>109558 Flashing Yellow Arrow Upgrade - Williamson Rd &amp; Airport Rd - Williamson Road; Airport Road ( )</b>											
	0011 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	(\$4,083)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$4,083)
<b>Remaining:</b>												*
<b>Roanoke</b>												
	<b>109562 Flashing Yellow Arrow Upgrade - Valley View - Valley View Blvd. NW; Valley View Ave. NW ( )</b>											
	0019 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	(\$8,778)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$8,778)
<b>Remaining:</b>												*
<b>Bedford County</b>												
	<b>107053 Rt. 24 Bedford County - Safety Improvements - Route 886; 0.26 miles East of Route 635 (2.3400 MI)</b>											
	0024 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	(\$356,096)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$356,096)
<b>Remaining:</b>												*

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Roanoke</b>												
	109567	Flashing Yellow Arrow Upgrade - Jefferson St. & Elm Ave. - Elm Avenue; Jefferson Street ( )										
	0024	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	0	(\$5,631)	\$0	0	\$0	\$0	\$0	\$0	(\$5,631)
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	108905	#HB2.FY17 Lila Dr / Rte 115 Intersection Safety Improvements - Lila Drive; Route 115 (Plantation Road) (0.1000 MI)										
	0115	TIP:	\$993,415	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$993,415
		Obligated:	\$251,227	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$251,227
<b>Remaining:</b>												<b>\$742,188</b>
<b>Bedford County</b>												
	114638	Install Flashing Beacons on Intersection Warning Signs - Route 644; Route 644 ( )										
	0122	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	0	(\$2,615)	\$0	0	\$0	\$0	\$0	\$0	(\$2,615)
<b>Remaining:</b>												*
<b>Botetourt County</b>												
	103210	RTE. 220 Corridor - Replace 2 Narrow Structures - 0.239 Mi. North of Rte. 43; 0.630 Mi. South of Rte. 694 (0.9310 MI)										
	0220	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	0	\$47,816	\$0	0	\$0	\$0	\$0	\$0	\$47,816
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	107054	Route 311 - Roanoke County - Pedestrian Safety Improvements - NCL Salem; 0.02 Mile North of I-81 SB Ramp (0.0900 MI)										
	0311	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	0	(\$73,556)	\$0	0	\$0	\$0	\$0	\$0	(\$73,556)
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	107061	#HB2.FY17 Rte 419 Safety Improvements at Tanglewood - Route 419; Route 867 (0.5700 MI)										
	0419	TIP:	\$0	0	\$0	\$0	357396	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$236,429	0	\$1,296,730	\$0	\$0	\$0	\$0	\$0	\$0	\$1,890,555
		Released:	\$0	0	\$0	\$0	-133359	\$0	\$0	\$0	\$0	(\$133,359)
<b>Remaining:</b>												*

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Roanoke County</b>												
	111407 #SMART18 - Rte 419 & Rte 221 Adaptive Traffic Control - Rte 221; Rte 419 ( )											
	0419 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$30,029	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$30,029
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	115460 #SMART20 - Rte 419 & Rte 220 Diverging Diamond Interchange - 0.5 Mi. W. Rte. 220; 0.23 Mi. E.. Rte. 220 (0.7300 MI)											
	0419 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$1,039,771	\$0	\$0	\$0	\$1,039,771
<b>Remaining:</b>												*
<b>Bedford County</b>												
	108514 Shoulder Widening, Rumble Strip, and Guardrail Upgrades - U.S. 221 Int.; Ramp 184A (5.0500 MI)											
	0460 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$989,277	\$0	\$0	0	\$0	\$0	\$0	\$0	\$989,277
<b>Remaining:</b>												*
<b>Roanoke</b>												
	109566 Orange Avenue/ Blue Hills Signal Upgrade - City of Roanoke - Orange Avenue; Blue Hills ( )											
	0460 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	(\$8,508)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$8,508)
<b>Remaining:</b>												*
<b>Roanoke</b>												
	109570 Orange Avenue/ Hollins Road Signal Upgrade - City of Roanoke - Route 460; Route 115 ( )											
	0460 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$35,567	\$0	\$0	0	\$0	\$0	\$0	\$0	\$35,567
	Released:	\$0	0	(\$20,000)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$20,000)
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	107055 Route 11 & 117 Roanoke Co. - Bike & Ped Safety Improvements - Route 117; Route 11 (0.4500 MI)											
	9999 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$241,495	\$0	\$0	0	\$0	\$0	\$0	\$0	\$241,495
<b>Remaining:</b>												*

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Salem District-wide</b>												
	113708	Task Order Salem D/W ADA Compliance - various; various ( )										
	9999	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$96,623	\$0	0	\$0	\$0	\$0	\$0	\$96,623
<b>Remaining:</b>												*
<b>Salem District-wide</b>												
	117212	FY 21 Pedestrian Crossing Improvements - various; various ( )										
	9999	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$50,000	\$0	0	\$0	\$0	\$0	\$0	\$50,000
<b>Remaining:</b>												*
<b>Salem District-wide</b>												
	117213	FY 21 Unsignalized Intersections - Various; Various ( )										
	9999	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$50,000	\$0	0	\$0	\$0	\$0	\$0	\$50,000
<b>Remaining:</b>												*
<b>Salem District-wide</b>												
	117214	FY 21 Centerline Rumble Strips - Various; Various ( )										
	9999	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$50,000	\$0	0	\$0	\$0	\$0	\$0	\$50,000
<b>Remaining:</b>												*
<b>Salem District-wide</b>												
	117215	FY 21 Edgeline Rumblestrips - various; various ( )										
	9999	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$50,000	\$0	0	\$0	\$0	\$0	\$0	\$50,000
<b>Remaining:</b>												*
<b>Vinton</b>												
	114766	PEDESTRIAN SIGNAL UPGRADES - TOWN OF VINTON - INT. VINYARD RD. AND HARDY RD. (LOC. 1); INT. WASHINGTON AVE. AND POLLARD ST. (LOC. 2) ( )										
	9999	TIP:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	0	(\$22,050)	\$0	0	\$0	\$0	\$0	\$0	(\$22,050)
<b>Remaining:</b>												*

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Roanoke</b>												
	<b>111135 Flashing Yellow Arrow - Various locations - Roanoke City - Various; Various ( )</b>											
	<b>9999 TIP:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	<b>Obligated:</b>	\$0	0	\$70,000	\$0	\$0	0	\$0	\$0	\$0	\$0	\$70,000
		<b>Remaining:</b>										*
<b>Roanoke</b>												
	<b>111137 Rectangular Rapid Flashing Beacons - Roanoke City - Various; Various ( )</b>											
	<b>9999 TIP:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	<b>Obligated:</b>	\$0	0	\$9,000	\$0	\$0	0	\$0	\$0	\$0	\$0	\$9,000
		<b>Remaining:</b>										*
<b>Roanoke</b>												
	<b>114765 PEDESTRIAN SIGNAL UPGRADES - CITY OF ROANOKE - VARIOUS; VARIOUS ( )</b>											
	<b>9999 TIP:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	<b>Obligated:</b>	\$0	0	\$158,644	\$0	\$0	0	\$0	\$0	\$0	\$0	\$158,644
		<b>Remaining:</b>										*
<b>Roanoke</b>												
	<b>113569 State Road 118 Tunnel Lighting Improvements - Airport Road Tunnel; N/A ( )</b>											
	<b>0000 TIP:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	<b>Obligated:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	<b>Released:</b>	\$0	0	\$0	\$0	\$0	0	(\$80,000)	\$0	\$0	\$0	(\$80,000)
		<b>Remaining:</b>										*
<b>Roanoke</b>												
	<b>111370 #SMART18 - Hollins Rd &amp; Orange Ave Intersection Improvements - 0.2 Mi West of Int Orange Ave/Hollins Rd; Int Hollins Rd/McDowell Ave (0.2000 MI)</b>											
	<b>0460 TIP:</b>	\$0	0	\$0	\$0	\$0	172379	\$0	\$0	\$0	\$0	\$0
	<b>Obligated:</b>	\$290,249	0	\$721,259	\$0	\$0	0	\$0	\$0	\$831,952	\$0	\$2,015,839
		<b>Remaining:</b>										*
<b>Roanoke</b>												
	<b>115454 #SMART20 - Orange Ave (US 460) Improvements - King Street; Blue Hills/Mexico Way (0.6000 MI)</b>											
	<b>0460 TIP:</b>	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	<b>Obligated:</b>	\$0	0	\$125,000	\$0	\$0	0	\$0	\$0	\$0	\$0	\$125,000
		<b>Remaining:</b>										*



## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount													
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL	
<b>Salem</b>													
	<b>8753</b>	<b>#HB2.FY17 Rte460 - Widen To 3 Ln w/ Bike Ln, Curb, Sidewalk - 0.028 Mi. West of Route 311 (Thompson Memorial Blvd.); 0.006 Mi. West of Brand Ave. (0.5473 MI)</b>											
	<b>0460</b>	<b>TIP:</b>	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		<b>Obligated:</b>	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		<b>Released:</b>	\$0	0	(\$2,797,334)	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,797,334)	
<b>Remaining:</b>												*	
<b>Roanoke County</b>													
	<b>15190</b>	<b>RTE 688 - RECONSTRUCTION - 0.056 MILE SOUTH ROUTE 221; 0.105 MILE SOUTH ROUTE 934 (0.6566 MI)</b>											
	<b>0688</b>	<b>TIP:</b>	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		<b>Obligated:</b>	\$0	0	\$641,423	\$0	\$0	\$0	\$0	\$0	\$0	\$641,423	
<b>Remaining:</b>												*	
<b>Roanoke County</b>													
	<b>15187</b>	<b>RTE 1662 - RECONSTRUCTION &amp; REPLACE BRIDGE OVER MUD LICK CK - INT. OF ROUTE 1663; INT. OF ROUTE 419 (0.4680 MI)</b>											
	<b>1662</b>	<b>TIP:</b>	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>InCO</b>	<b>Obligated:</b>	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		<b>Released:</b>	\$0	0	(\$245,944)	\$0	\$0	\$0	(\$2,387,337)	\$0	\$0	(\$2,633,281)	
<b>Remaining:</b>												*	
<b>Roanoke</b>													
	<b>109569</b>	<b>Flashing Yellow Arrow Upgrade - Brandon Ave. &amp; Colonial Ave. - Brandon Avenue; Colonial Avenue ( )</b>											
	<b>8029</b>	<b>TIP:</b>	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
	<b>InCO</b>	<b>Obligated:</b>	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
		<b>Released:</b>	\$0	0	(\$8,171)	\$0	\$0	\$0	\$0	\$0	\$0	(\$8,171)	
<b>Remaining:</b>												*	
<b>Multi-jurisdictional: Roanoke MPO</b>													
	<b>G999</b>	<b>CN: SAFETY/ITS/OPERATIONAL/IMPROVEMENTS - (T18999)</b>											
	<b>0000</b>	<b>TIP:</b>	\$1,150,000	0	\$1,220,000	\$0	\$0	\$0	\$0	\$0	\$0	\$2,370,000	
		<b>Obligated:</b>	\$0	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
<b>Remaining:</b>												<b>\$2,370,000</b>	
				<b>0</b>									<b>\$1,220,000</b>

## STIP Grouping Detail

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912906 - CONSTRUCTION : SAFETY/ITS/OPERATIONAL IMPROVEMENTS SUBTOTAL</b>												
	<b>TIP:</b>	\$2,143,415	0	\$1,220,000	\$0	\$0	0	\$0	\$0	\$0	\$0	\$3,363,415
	<b>Obligated:</b>	\$807,934	0	\$4,632,834	\$0	\$0	529775	\$1,039,771	\$0	\$831,952	\$0	\$7,842,265
	<b>Released:</b>	(\$232,296)	0	(\$4,431,019)	\$0	\$0	-133359	(\$80,000)	(\$2,387,337)	\$0	(\$722,158)	(\$7,986,169)
<b>Remaining:</b>											*	

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
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#### T9912907 - Construction : Bridge Rehabilitation/Replacement/Reconstruction

**Botetourt County**

77300	RTE. 11 OVER TINKER CREEK (STR 03166) - BRIDGE REPLACEMENT - 0.04 Mile North of Route 1039; 0.13 Mile North of Route 1039 (0.1100 MI)											
0011	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$208,975	\$0	\$0	0	\$0	\$0	\$0	\$0	\$208,975
	Released:	\$0	0	(\$3,112)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$3,112)
<b>Remaining:</b>												*

**Botetourt County**

77302	RTE. 11 OVER TINKER CREEK (STR. 3167) - BRIDGE REPLACEMENT - Route 838; 0.09 Mile North of Route 838 (0.0900 MI)											
0011	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$8,568	0	\$103,782	\$0	\$0	0	\$0	\$0	\$0	\$0	\$112,350
<b>Remaining:</b>												*

**Roanoke County**

77305	RTE. 116 OVER BACK CREEK (STR. 14928) - BRIDGE REPLACEMENT - 0.285 MILE SOUTH ROUTE 945; 0.584 MILE SOUTH ROUTE 945 (0.3100 MI)											
0116	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	0	(\$66,652)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$66,652)
<b>Remaining:</b>												*

**Roanoke County**

94726	RTE. 221 OVER MARTINS CREEK (STR. 14945) - BRIDGE REPLACEMENT - 0.01 mi S. Int Rte 696; 0.01 mi N. Int. Rte 696 ( )											
0221	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$43,831	\$0	\$0	\$43,831
<b>Remaining:</b>												*

**Salem**

110574	#SGR18LB - Apperson Drive Bridge Replacement - East Riverside Drive; Route 419 - Electric Road (0.0900 MI)											
0011	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$342,400	\$0	\$0	0	\$0	\$0	\$0	\$0	\$342,400
<b>Remaining:</b>												*

**Vinton**

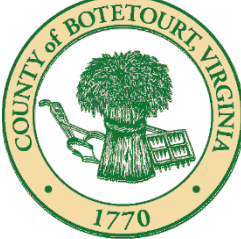
76677	replace bridge and approaches over Glade Creek - 0.098 Miles West of 5th St.; 0.052 Miles East of 5th St. (0.1500 MI)											
6677	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	0	\$43,699	\$0	\$0	0	\$0	\$0	\$0	\$0	\$43,699
<b>Remaining:</b>												*

## STIP Grouping Detail

Roanoke MPO Study Area

Federal Obligated Funds: 10/01/2019 - 09/30/2020

Funding Source/Amount													
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL	
<b>Roanoke County</b>													
	115473 #SGR17VB - RT 813 OVER ROANOKE RIVER (STR12363) SUB REPAIRS - 0.10 Mile from Int. Rte. 11/460; 0.18 Mile from Int. Rte. 11/460 (0.0800 MI)												
	0813 TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0	
	Obligated:	\$0	0	\$0	\$0	\$0	0	\$0	\$304,958	\$0	\$0	\$304,958	
											<b>Remaining:</b>	*	
		<b>0</b>		<b>\$0</b>									
<b>T9912907 - CONSTRUCTION : BRIDGE REHABILITATION/REPLACEMENT/RECONSTRUCTION SUBTOTAL</b>													
	TIP:	\$0	0	\$0	\$0	\$0	0	\$0	\$0	\$0	\$0	\$0	
	Obligated:	\$8,568	0	\$698,856	\$0	\$0	0	\$0	\$348,789	\$0	\$0	\$1,056,213	
	Released:	\$0	0	(\$69,764)	\$0	\$0	0	\$0	\$0	\$0	\$0	(\$69,764)	
											<b>Remaining:</b>	*	
<b>MPO SUBTOTAL</b>													
	TIP:	\$7,542,701	0	\$22,168,938	\$0	\$0	0	\$0	\$1,000,000	\$0	\$0	\$30,711,639	
	Obligated:	\$1,676,358	0	\$8,981,105	\$0	\$0	670426	\$1,566,648	\$348,789	\$831,952	\$0	\$14,075,278	
	Released:	(\$337,328)	0	(\$4,889,582)	\$0	\$0	-133359	(\$304,369)	(\$2,387,337)	\$0	(\$722,158)	(\$8,774,133)	
											<b>Remaining:</b>	<b>\$16,636,360</b>	



# Annual Listing of Transportation Project Obligations

## Federal Fiscal Year 2021

(October 1, 2020 to September 30, 2021)



**Roanoke Valley Transportation  
PLANNING ORGANIZATION**

Staffed by the  
**REGIONAL**commission

March 2022

*The information presented in this document is provided by the Virginia Department of Transportation and the Virginia Department of Rail and Public Transportation. The Roanoke Valley Transportation Planning Organization has reorganized the projects by locality for ease of reference. The original spreadsheets developed by VDOT are included in the appendices.*

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## **DOCUMENT DESCRIPTION**

The Roanoke Valley Transportation Planning Organization (RVTPO) Transportation Improvement Program (TIP) is a listing of transportation projects over a three-year period, which will be funded, at least in part, with funds from the Federal Highway Administration (FHWA) and/or Federal Transit Administration (FTA).

The current TIP covers the years 2021 through 2024 and lists the estimated cost for each phase of all projects. Project schedules often change because of personnel or consultant availability for design activities, or changes in budget resource availability. Thus, the TIP does not always yield an up-to-date picture of actual project expenditures. To ensure that the public will have an accurate understanding of how federal funds are actually being spent on transportation projects, Congress included in the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) legislation of 2005, the 2012 Moving Ahead for Progress in the 21<sup>st</sup> Century Act (MAP-21), and the 2015 Fixing America's Surface Transportation Act (FAST Act) a requirement that the organizations responsible for approving the Transportation Improvement Program publish an Annual Listing of Transportation Project Obligations.

### **What are "project obligations"?**

An **obligation** is the Federal government's legal commitment to pay the Federal share of a project's cost. An obligated project is one that has been authorized by the Federal agency and for which funds have been committed. Projects for which funds have been obligated are not necessarily initiated or completed during the program year, and the amount of the obligation will not necessarily equal the total cost of the project. For projects under the auspices of the FTA, obligation occurs when the FTA grant is awarded. For projects under the auspices of the FHWA, obligation occurs when a project agreement is executed and the State/grantee requests that the funds be obligated.

A good way to think of "obligations" is setting up a checking account for a specific purpose and then making an initial deposit. To begin work on any phase of a transportation project, federal funds must be obligated. This means that the money is set aside for that particular piece of work, and then can be used to pay bills. The project expenses may be bills from a design consultant, a construction contractor, or payroll costs for Virginia Department of Transportation (VDOT) employees working on the project.

An obligation removed from a project, or **released**, is usually the result of a decrease in the cost estimate, a project awarded for a lesser amount than originally authorized at advertisement, or an FHWA Financial Integrity Review and Evaluation (FIRE) project level review.

### **Do project obligations mean the work is underway?**

This is not always the case. Project accounts are set up, particularly for the initial phases of a project, to enable the work. It may take a while, for example, to select and hire a design consultant and then actually begin work.

**Contents of this document:**

This document contains tables of VDOT project funding information in which the listing of ungrouped projects is organized by jurisdiction then by funding category (i.e. Interstate, Primary, Secondary, or Urban). Appendix A shows the same grouped projects organized by roadway system rather than by jurisdiction. VDOT grouped projects are presented in Appendix B. Virginia Department of Rail and Public Transportation (VDRPT) funding information show how federal funds were used to support the transit operations of the Greater Roanoke Transit Company (Valley Metro) and RADAR.

**Acronyms**

ARRA	American Recovery and Reinvestment Act of 2009
BROS	Bridge Off-System
CMAQ	Congestion Mitigation and Air Quality Program
DEMO	Demonstration
EB/MG	Equity Bonus/Minimum Guarantee
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
IM/NH	Interstate Maintenance/National Highway System
NHPP	National Highway Performance Program
RSTP	Regional Surface Transportation Program (now named STBG)
SAFE	(SAFETEA-LU) Safe Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SSTP	Statewide Surface Transportation Program
STBG	Surface Transportation Block Grant Program
STIP	Statewide Transportation Improvement Program
STP	Surface Transportation Program
TIP	Transportation Improvement Program
UPC	Universal Project Code



## LIST OF FEDERAL FUNDS OBLIGATED BY LOCALITY

### STIP Grouping Detail

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Bedford County</b>												
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
<b>Bedford County</b>												
	114638	Install Flashing Beacons on Intersection Warning Signs - Route 644; Route 644										
	FedID(s)	9622091										
	0122	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	\$0	\$20,796	\$0	\$0	\$0	\$0	\$0	\$0	\$20,796
<b>Bedford County</b>												
	108514	Pave Existing Shoulders and Install Rumble Strips & Signs. - 0.35 Miles West of Route 679 Baldwin Street; 1.08 Miles East of Route 714 East Main Street (5.0500 MI)										
	FedID(s)	0092048										
	0460	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	\$0	\$169,384	\$0	\$0	\$0	\$0	\$0	\$0	\$169,384
<b>T9912907 - Construction : Bridge Rehabilitation/Replacement/Reconstruction</b>												
<b>Bedford County</b>												
	62650	#SGR17VB - RT 634 OVER ROANOKE RIVER (STR 02718) - BR REPL - 0.19 Mi. West of Franklin County Line; 0.12 Mi. East of Bedford County Line (0.3100 MI)										
	FedID(s)	5128333										
	0634	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	\$0	(\$133,777)	\$0	\$0	\$0	\$0	\$0	\$0	(\$133,777)
<b>BEDFORD COUNTY SUBTOTAL</b>												
		TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	\$0	\$190,180	\$0	\$0	\$0	\$0	\$0	\$0	\$190,180
		Released:	\$0	\$0	(\$133,777)	\$0	\$0	\$0	\$0	\$0	\$0	(\$133,777)

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
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**Botetourt County  
Interstate**

Botetourt County

75910 Route 11,220,220A Access Management Project at I-81 Exit 150 - 0.30 MILE SOUTH OF ROUTE 220; 0.74 MILE NORTH OF ROUTE 220 (1.0410 MI)

FedID(s) 0812287

0081	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$6,149,648)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$6,149,648)

Remaining: \*

**T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional**

Botetourt County

107521 DALEVILLE GREENWAY - TAP - Glebe Road (RTE 675); Orchard Lake Drive (RTE 1035) (0.8130 MI)

FedID(s) 0112033

7521	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$92,870)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$92,870)

**T9912906 - Construction : Safety/ITS/Operational Improvements**

Botetourt County

115457 #SMART20 - Rte 220 and International Parkway Intersection - 0.25 mi N International Parkway; 0.25 mi N International Parkway (0.5000 MI)

FedID(s) 5128446

0220	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$240,000	\$0	\$0	\$0	\$0	\$240,000

**T9912907 - Construction : Bridge Rehabilitation/Replacement/Reconstruction**

Botetourt County

77300 RTE. 11 OVER TINKER CREEK (STR 03166) - BRIDGE REPLACEMENT - 0.02 Mile North of Route 1039; 0.13 Mile North of Route 1039 (0.1100 MI)

FedID(s) 5128338

0011	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$104,728)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$104,728)

Botetourt County

77302 RTE. 11 OVER TINKER CREEK (STR. 3167) - BRIDGE REPLACEMENT - Route 838; 0.09 Mile North of Route 838 (0.0900 MI)

FedID(s) 5128337

0011	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$38,342)	\$0	(\$103,644)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$141,986)

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
Botetourt County												
52803	RTE 779 - INT IMPROVEMENTS & BRIDGE OVER AMSTERDAM CREEK - 0.169 MILE EAST ROUTE 672 EAST; 0.236 MILE WEST ROUTE 672 EAST (0.4213 MI)											
FedID(s) 5128299												
0779	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$726,068)	(\$29,670)	\$0	\$0	\$0	\$0	\$0	\$0	(\$755,738)

BOTETOURT COUNTY SUBTOTAL												
	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$240,000	\$0	\$0	\$0	\$240,000
	Released:	(\$6,187,990)	\$0	(\$1,027,310)	(\$29,670)	\$0	\$0	\$0	\$0	\$0	\$0	(\$7,244,970)

**Roanoke City  
Interstate**

Roanoke City												
16595	RTE 581 - VALLEY VIEW INTERCHANGE PHASE II - 0.300 MI. S. ROUTE 101 (HERSHBERGER ROAD); 1.560 MI. S. ROUTE 101 (HERSHBERGER ROAD) (1.2600 MI)											
FedID(s) 5815035												
0581	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$6,161,256)	\$0	(\$6,161,256)
<b>Remaining:</b>												*

**Urban**

Roanoke City												
688	13TH STREET IMPROVEMENTS - .046 MILE SOUTH OF CHURCH AVENUE; INT. OF NORFOLK AVENUE (0.2443 MI)											
FedID(s) 5128315												
688	TIP:	\$0	\$0	(\$695,966)	\$0	\$0	\$172,377	\$0	\$0	\$0	\$0	(\$523,589)
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$172,378	\$0	\$0	\$0	\$0	\$172,378
<b>Remaining:</b>												*

**T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional**

Roanoke City												
113568	Roanoke River Greenway Bridge across Barnhardt Creek - 200 ft E of Barnhardt Creek; 150 ft W of Barnhardt Creek											
FedID(s) 5128428												
0000	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$578,893	\$0	\$0	\$0	\$578,893

Roanoke City												
117994	9th Street Multimodal Improvements - Jamison Avenue; Highland Avenue											
FedID(s) 5128450												
7994	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$44,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$44,000

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
Roanoke City												
105439	RRG (Aerial Way Dr to Roanoke Ave, SW extended) - RSTP - Aerial Way Dr; Roanoke Ave SW extended (0.5400 MI)											
FedID(s)	5128347											
0000	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$265,095)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$265,095)

**T9912906 - Construction : Safety/ITS/Operational Improvements**

Roanoke City												
97231	ARRA - C RTE. 581 - AT ELM AVE (DESIGN BUILD) - Exit Ramps accessing Elm Ave.; 0.016 Mi W WilliamsonRd.-0.045 MI. E 4th St., SE on Elm Ave. (0.2240 MI)											
FedID(s)	FS09164											
0581	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

Roanoke City												
114767	PEDESTRIAN SIGNAL UPGRADES - CITY OF ROANOKE - VARIOUS LOCATIONS; VARIOUS LOCATIONS											
FedID(s)	9622091											
0011	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$285,921	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$285,921

Roanoke City												
109570	Orange Avenue/ Hollins Road Signal Upgrade - City of Roanoke - Int. of US 460; And Route 115											
FedID(s)	5128364											
0460	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$27,007)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$27,007)

Roanoke City												
111135	Flashing Yellow Arrow - Various locations - Roanoke City - Various; Various											
FedID(s)	5128436											
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000

Roanoke City												
111137	Rectangular Rapid Flashing Beacons - Roanoke City - Various; Various											
FedID(s)	5128437											
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL	
Roanoke City													
	111360 Franklin Road Sidewalk Improvements- Rt. 220 B- Roanoke City - 3100 Block; 220 Franklin Rd Bypass (0.7600 MI)												
	FedID(s) 5128391, 5128423												
	0220	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	\$0	\$439,619	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$439,619
		Released:	\$0	\$0	(\$100,205)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$100,205)
Roanoke City													
	117221 Franklin Road Sidewalk Improvements - Rt. 220 B- Phase 2 - 3763 Franklin Rd; Hounds Chase Ln												
	FedID(s) 5128445, 5128448												
	0220	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	\$0	\$1,510,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,510,000
Roanoke City													
	111370 #SMART18 - Hollins Rd & Orange Ave Intersection Improvements - 0.2 Mi West of Int Orange Ave/Hollins Rd; Int Hollins Rd/McDowell Ave (0.2000 MI)												
	FedID(s) 5128389												
	0460	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Released:	(\$400)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$400)
Roanoke City													
	113324 Installation of Pedestrian Countdown Signal - Gainsboro Road; Burrell Street												
	FedID(s) 5128442												
	0000	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
ROANOKE CITY SUBTOTAL													
		TIP:	\$0	\$0	(\$695,966)	\$0	\$0	\$172,377	\$0	\$0	\$0	\$0	(\$523,589)
		Obligated:	\$0	\$0	\$2,333,540	\$0	\$0	\$172,378	\$578,893	\$0	\$0	\$0	\$3,084,811
		Released:	(\$400)	\$0	(\$392,307)	\$0	\$0	\$0	\$0	\$0	(\$6,161,256)	\$0	(\$6,553,963)

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
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**Roanoke County  
Interstate**

Roanoke County

110395 #HB2.FY17 I-81 AUX LN FR EXIT 141 -143 GARVEE DEBT SERVICE

FedID(s) 0812302

0081	TIP:	\$656,701	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$656,701
	Obligated:	\$1,402,579	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,402,579

Remaining: \*

**Primary**

Roanoke County

17698 RTE 11/460 - Widen to 4-LN w/curb, gutter, and raised median - .055 MI. E. OF WCL SALEM; 0.10 MILE WEST ROUTE 830 (2.1880 MI)

FedID(s) 0802018

0011	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$65,121	\$0	\$0	\$0	\$0	\$0	\$0	\$65,121

Remaining: \*

**T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional**

Roanoke County

111366 #SMART18 - Plantation Rd Bike/Ped/Streetscape Phase II - Walrond Drive; Gander Way (0.2000 MI)

FedID(s) 5128418, 5128434, 5128440

0115	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$265,423	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$265,423

**T9912906 - Construction : Safety/IT S/Operational Improvements**

Roanoke County

113947 Pedestrian Improvements on Route 11 (Williamson Road) - 0.24 Mi. North of Route 623 Dent Road; 0.063 mi. North of Route 1822 Middleton Road (0.2100 MI)

FedID(s) 5128451

0011	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$450,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$450,000

Roanoke County

108905 #HB2.FY17 Lila Dr / Rte 115 Intersection Safety Improvements - 0.025 MI N. Intersection of Lila Drive & Plantation Road ; 0.051 MI S. Intersection of Lila Drive & Plantation Road (0.1000 MI)

FedID(s) 5128367

0115	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$3,736	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,736

Roanoke County

107061 #HB2.FY17 Rte 419 Safety Improvements at Tanglewood - Route 867; Route 220 (0.5700 MI)

FedID(s) 5128427

0419	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$199,423	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$199,423

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
Roanoke County												
107055	Route 11 & 117 Roanoke Co. - Pedestrian Safety Improvements - 0.45 Mile South of Int. of Route 11 & Route 117; Int. of Route 11 & Route 117 (0.4500 MI)											
FedID(s)	5128373, 5128441											
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$214,577	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$214,577
Roanoke County												
15188	RTE 1663 - RECONSTRUCT; DRAINAGE STRUCT/BRANCH MUD LICK CK - SOUTH INT. ROUTE 221; INT. OF ROUTE 1662 (0.2830 MI)											
FedID(s)	5128277											
1663	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$295,812)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$295,812)
ROANOKE COUNTY SUBTOTAL												
	TIP:	\$656,701	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$656,701
	Obligated:	\$1,406,315	\$0	\$1,129,423	\$65,121	\$0	\$0	\$0	\$0	\$0	\$0	\$2,600,859
	Released:	\$0	\$0	(\$295,812)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$295,812)

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL	
<b>Salem</b>													
<b>T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional</b>													
<b>Salem</b>													
	56409 CITY OF SALEM - CONSTRUCTION OF 7 MILE BICYCLE/PEDESTRIAN - Western limits of Green Hill Park, Roanoke County; Eastern corporate limits of City of Salem (7.0000 MI)												
	FedID(s) 5129001												
	6409	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<hr/>													
<b>Salem</b>													
	109612 DOWNTOWN STREETSCAPE IMPROVEMENTS - West side of Broad St; East side of White Oak Alley (0.1000 MI)												
	FedID(s) 5128422												
	9612	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	\$0	(\$26,635)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$26,635)
<hr/>													
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>													
<b>Salem</b>													
	8753 #HB2.FY17 Rte460 - Add'n of CTL w/ Bike Ln, Curb, Sidewalk - 0.028 Mi. West of Route 311 (Thompson Memorial Blvd.); 0.006 Mi. West of Brand Ave. (0.5473 MI)												
	FedID(s) 5129006												
	0460	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$38,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,000
<hr/>													
<b>Salem</b>													
	100656 Construct sidewalk on west side of Rte 419 & connect to RRG - existing RRG in Rotary Park; City Limits (0.6700 MI)												
	FedID(s) 5128322												
	0419	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	\$0	(\$71,872)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$71,872)
<hr/>													
<b>SALEM SUBTOTAL</b>													
		TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$38,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,000
		Released:	\$0	\$0	(\$98,507)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$98,507)



Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
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**Salem District-wide**  
**T9912903 - Maintenance : Preventive Maintenance and System Preservation**

**Salem District-wide**

111191 F18 Plant Mix Interstate PM2S-962-F18 - Various; Various (15.1940 MI)

FedID(s) PM02458

1191	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$9,120,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,120,000

**Salem District-wide**

110269 Districtwide Primary Latex Schedule LM20-962-F17 - Various; Various (20.2300 MI)

FedID(s) PM02448

0269	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$1,061,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,061,000

**Salem District-wide**

109902 F-17 Plant Mix Roanoke & Craig Co. - Primaries PM2K-962-F17 - Various; Various (8.0900 MI)

FedID(s) PM02445

9902	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$1,900,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,900,000

**Salem District-wide**

109668 F17 Cape Seal Districtwide Federal Secondaries SS2B-962-F17 - Various; Various (11.4700 MI)

FedID(s) PM02430

9668	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$475,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$475,000

**Salem District-wide**

109847 F17 Plan Mix Federal Roanoke & Bote. Co. Sec. PM2Y-962-F17 - Various; Various (14.1300 MI)

FedID(s) PM02436

9847	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$1,701,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,701,000

**T9912905 - Maintenance : Traffic and Safety Operations**

**Salem District-wide**

108332 Guardrail Upgrades for 2016 Paving Schedule - Salem Dist. - Various; Various

FedID(s) TS02249

9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$1,120,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,120,000

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
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**T9912906 - Construction : Safety/ITS/Operational Improvements**

Salem District-wide

116077 SAFETY PRESCOPING - SALEM

FedID(s) 9622110

9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$579,818	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$579,818

Salem District-wide

117211 FY 21 Curve Delineation - various; various

FedID(s) 9622112, 9622117

9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$840,778	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$840,778

Salem District-wide

117212 FY 21 Pedestrian Crossing Improvements - various; various

FedID(s) 9622113

9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000

SALEM DISTRICT-WIDE SUBTOTAL

TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Obligated:	\$0	\$9,120,000	\$7,827,596	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$16,947,596
Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Vinton**

**T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional**

Vinton

117995 Glade Creek Greenway Phase 2B - Gearhart Park/GC Greenway Phase 2A; Walnut Avenue/GC Greenway Phase 1 (0.1000 MI)

FedID(s) 5128447

7995	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$10,560	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,560

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912906 - Construction : Safety/IT S/Operational Improvements</b>												
<b>Vinton</b>												
113322 Hardy Road/Dillon Woods Crosswalk - Bypass Road; McDonald Street												
FedID(s) 5128454												
0000	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$97,563	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$97,563
<b>VINTON SUBTOTAL</b>												
	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$108,123	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$108,123
	Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>RVTPO SUBTOTAL</b>												
	TIP:	\$656,701	\$0	(\$695,966)	\$0	\$0	\$172,377	\$0	\$0	\$0	\$0	\$133,112
	Obligated:	\$1,444,315	\$9,120,000	\$11,588,862	\$65,121	\$0	\$172,378	\$818,893	\$0	\$0	\$0	\$23,209,569
	Released:	(\$6,188,390)	\$0	(\$1,947,713)	(\$29,670)	\$0	\$0	\$0	\$0	(\$6,161,256)	\$0	(\$14,327,029)

**LIST OF FEDERAL FUNDS OBLIGATED BY TRANSIT AGENCY**

FFY2021

ROANOKE AREA MPO	FEDERAL FUNDS OBLIGATED	YEAR	CMAQ	RSTP	Flexible STP	FTA	Other	TOTAL
<b>Greater Roanoke Transit Company</b>								
Operating Expenses	FTA CARES	2020				\$ 955,339		\$ 955,339
ADP Software (2)	FTA 5339	2018				\$ 4,284		\$ 4,284
Fare Collection Equipment (Fareboxes)	FTA 5339	2018				\$ 80,027		\$ 80,027
Rehab/Renovation of Admin/Maint Facility	FTA 5339	2018				\$ 56,840		\$ 56,840
Radio Communications System	Flexed to FTA	2021			\$ 140,000			\$ 140,000
Transfer Facility Construction	Flexed to FTA	2021			\$ 1,610,000			\$ 1,610,000
Transfer Facility Construction	Flexed to FTA	2022			\$ 1,610,000			\$ 1,610,000
<b>Lutheran Family Services of Virginia</b>								
Replacement Paratransit Vehicle (1)	FTA 5310	2020				\$ 40,000		\$ 40,000
<b>RADAR/UHSTS</b>								
Replacement Paratransit Vehicle (1)	FTA 5310	2020				\$ 104,000		\$ 104,000
UHSTS, Inc. - RADAR ADA Service Operating	FTA 5310	2020				\$ 103,850		\$ 103,850
<b>TOTAL</b>						<b>\$ 3,360,000</b>	<b>\$ 1,344,340</b>	<b>\$ 4,704,340</b>

## **APPENDIX A: Ungrouped Projects**

## STIP Transactions

### Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
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#### Interstate

**Botetourt County**

75910 Route 11,220,220A Access Management Project at I-81 Exit 150 - 0.30 MILE SOUTH OF ROUTE 220; 0.74 MILE NORTH OF ROUTE 220 (1.0410 MI)

FedID(s) 0812287

0081	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$6,149,648)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$6,149,648)

**Remaining:** \*

**Roanoke County**

110395 #HB2.FY17 I-81 AUX LN FR EXIT 141 -143 GARVEE DEBT SERVICE

FedID(s) 0812302

0081	TIP:	\$656,701	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$656,701
	Obligated:	\$1,402,579	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,402,579

**Remaining:** \*

**Roanoke City**

16595 RTE 581 - VALLEY VIEW INTERCHANGE PHASE II - 0.300 MI. S. ROUTE 101 (HERSHBERGER ROAD); 1.560 MI. S. ROUTE 101 (HERSHBERGER ROAD) (1.2600 MI)

FedID(s) 5815035

0581	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$6,161,256)	\$0	(\$6,161,256)

**Remaining:** \*

**INTERSTATE SUBTOTAL**

TIP:	\$656,701	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$656,701
Obligated:	\$1,402,579	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,402,579
Released:	(\$6,149,648)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$6,161,256)	\$0	(\$12,310,904)

**Remaining:** \*

**STIP Transactions**

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
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Primary

Roanoke County

17698 RTE 11/460 - Widen to 4-LN w/curb, gutter, and raised median - .055 MI. E. OF WCL SALEM; 0.10 MILE WEST ROUTE 830 (2.1880 MI)

FedID(s) 0802018

0011	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$0	\$65,121	\$0	\$0	\$0	\$0	\$0	\$0	\$65,121
<b>Remaining:</b>												*

PRIMARY SUBTOTAL

TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Obligated:	\$0	\$0	\$0	\$65,121	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$65,121
Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*

## STIP Transactions

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Urban</b>												
Roanoke City												
688 13TH STREET IMPROVEMENTS - .046 MILE SOUTH OF CHURCH AVENUE; INT. OF NORFOLK AVENUE (0.2443 MI)												
FedID(s) 5128315												
688	TIP:	\$0	\$0	(\$695,966)	\$0	\$0	\$172,377	\$0	\$0	\$0	\$0	(\$523,589)
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$172,378	\$0	\$0	\$0	\$0	\$172,378
<b>Remaining:</b>												*
<hr/>												
URBAN SUBTOTAL												
	TIP:	\$0	\$0	(\$695,966)	\$0	\$0	\$172,377	\$0	\$0	\$0	\$0	(\$523,589)
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$172,378	\$0	\$0	\$0	\$0	\$172,378
	Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*



**STIP Transactions**

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Secondary</b>												

0 No projects identified in the MPO Area

TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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**Remaining:** \$0\*

**STIP Transactions**

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Miscellaneous</b>												

0 No projects identified in the MPO Area

TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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**Remaining:** \$0\*

**STIP Transactions**

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Public Transportation</b>												

0 No projects identified in the MPO Area

TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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**Remaining:** \$0\*

**STIP Transactions**

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Rail</b>												

0 No projects identified in the MPO Area

TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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**Remaining:** \$0\*

**STIP Transactions**

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Enhancement</b>												

0 No projects identified in the MPO Area

TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
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**Remaining:** \$0\*

## STIP Transactions

### Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

Funding Source/Amount												
Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
Grouping												
<b>G901 Construction : Transportation Enhancement/Byway/Non-Traditional - (T9912901)</b>												
2901	TIP:	\$1,663,690	\$0	\$3,402,994	\$0	\$0	\$0	\$1,402,697	\$0	\$0	\$0	\$6,469,381
	Obligated:	\$0	\$0	\$319,983	\$0	\$0	\$0	\$578,893	\$0	\$0	\$0	\$898,876
	Released:	\$0	\$0	(\$384,600)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$384,600)
<b>Remaining:</b>												<b>\$5,570,505</b>
<b>G903 Maintenance : Preventive Maintenance and System Preservation - (T9912903)</b>												
2903	TIP:	\$4,399,286	\$2,500,000	\$26,288,932	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,188,218
	Obligated:	\$0	\$9,120,000	\$5,137,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,257,000
<b>Remaining:</b>												<b>\$18,931,218</b>
<b>G905 Maintenance : Traffic and Safety Operations - (T9912905)</b>												
2905	TIP:	\$0	\$0	\$3,095,775	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,095,775
	Obligated:	\$0	\$0	\$1,120,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,120,000
<b>Remaining:</b>												<b>\$1,975,775</b>
<b>G906 Construction : Safety/ITS/Operational Improvements - (T9912906)</b>												
2906	TIP:	\$147,694	\$0	\$2,384,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,531,994
	Obligated:	\$41,736	\$0	\$5,011,879	\$0	\$0	\$0	\$240,000	\$0	\$0	\$0	\$5,293,615
	Released:	(\$66,017)	\$0	(\$494,896)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$560,913)
<b>Remaining:</b>												<b>*</b>
<b>G907 Construction : Bridge Rehabilitation/Replacement/Reconstruction - (T9912907)</b>												
2907	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$38,342)	\$0	(\$1,068,217)	(\$29,670)	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,136,229)
<b>Remaining:</b>												<b>\$75,000</b>
<b>GROUPING SUBTOTAL</b>												
	TIP:	\$6,210,670	\$2,500,000	\$35,172,001	\$0	\$0	\$0	\$1,402,697	\$75,000	\$0	\$0	\$45,360,368
	Obligated:	\$41,736	\$9,120,000	\$11,588,862	\$0	\$0	\$0	\$818,893	\$0	\$0	\$0	\$21,569,491
	Released:	(\$104,359)	\$0	(\$1,947,713)	(\$29,670)	\$0	\$0	\$0	\$0	\$0	\$0	(\$2,081,742)
<b>Remaining:</b>												<b>\$23,790,877</b>

## STIP Transactions

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
MPO SUBTOTAL												
	TIP:	\$6,867,371	\$2,500,000	\$34,476,035	\$0	\$0	\$172,377	\$1,402,697	\$75,000	\$0	\$0	\$45,493,480
	Obligated:	\$1,444,315	\$9,120,000	\$11,588,862	\$65,121	\$0	\$172,378	\$818,893	\$0	\$0	\$0	\$23,209,569
	Released:	(\$6,254,007)	\$0	(\$1,947,713)	(\$29,670)	\$0	\$0	\$0	\$0	(\$6,161,256)	\$0	(\$14,392,646)
											<b>Remaining:</b>	<b>\$22,283,911</b>

## **APPENDIX B: Grouped Projects**



## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912901 - Construction : Transportation Enhancement/Byway/Non-Traditional</b>												
<b>Roanoke City</b>												
	113568 Roanoke River Greenway Bridge across Barnhardt Creek - 200 ft E of Barnhardt Creek; 150 ft W of Barnhardt Creek											
	FedID(s) 5128428											
	0000	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$578,893	\$0	\$0	\$0	\$578,893
<b>Remaining:</b>												*
<b>Roanoke County</b>												
	111366 #SMART18 - Plantation Rd Bike/Ped/Streetscape Phase II - Walrond Drive; Gander Way (0.2000 MI)											
	FedID(s) 5128418, 5128434, 5128440											
	0115	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	\$0	\$265,423	\$0	\$0	\$0	\$0	\$0	\$0	\$265,423
<b>Remaining:</b>												*
<b>Botetourt County</b>												
	107521 DALEVILLE GREENWAY - TAP - Glebe Road (RTE 675); Orchard Lake Drive (RTE 1035) (0.8130 MI)											
	FedID(s) 0112033											
	7521	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	\$0	(\$92,870)	\$0	\$0	\$0	\$0	\$0	\$0	(\$92,870)
<b>Remaining:</b>												*
<b>Roanoke City</b>												
	117994 9th Street Multimodal Improvements - Jamison Avenue; Highland Avenue											
	FedID(s) 5128450											
	7994	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Obligated:	\$0	\$0	\$44,000	\$0	\$0	\$0	\$0	\$0	\$0	\$44,000
<b>Remaining:</b>												*
<b>Roanoke City</b>												
	105439 RRG (Aerial Way Dr to Roanoke Ave, SW extended) - RSTP - Aerial Way Dr; Roanoke Ave SW extended (0.5400 MI)											
	FedID(s) 5128347											
	0000	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
		Released:	\$0	\$0	(\$265,095)	\$0	\$0	\$0	\$0	\$0	\$0	(\$265,095)
<b>Remaining:</b>												*
<b>Salem</b>												
	56409 CITY OF SALEM - CONSTRUCTION OF 7 MILE BICYCLE/PEDESTRIAN - Western limits of Green Hill Park, Roanoke County; Eastern corporate limits of City of Salem (7.0000 MI)											
	FedID(s) 5129001											
	6409	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												*

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Salem</b>												
	109612 DOWNTOWN STREETScape IMPROVEMENTS - West side of Broad St; East side of White Oak Alley (0.1000 MI)											
	FedID(s) 5128422											
	9612 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$26,635)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$26,635)
												<b>Remaining:</b>
												*
<b>Vinton</b>												
	117995 Glade Creek Greenway Phase 2B - Gearhart Park/GC Greenway Phase 2A; Walnut Avenue/GC Greenway Phase 1 (0.1000 MI)											
	FedID(s) 5128447											
	7995 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$10,560	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10,560
												<b>Remaining:</b>
												*
	<b>T9912901 - CONSTRUCTION : TRANSPORTATION ENHANCEMENT/BYWAY/NON-TRADITIONAL SUBTOTAL</b>											
	TIP:	\$1,663,690	\$0	\$3,402,994	\$0	\$0	\$0	\$1,402,697	\$0	\$0	\$0	\$6,469,381
	Obligated:	\$0	\$0	\$319,983	\$0	\$0	\$0	\$578,893	\$0	\$0	\$0	\$898,876
	Released:	\$0	\$0	(\$384,600)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$384,600)
												<b>Remaining:</b>
												\$5,570,505

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912903 - Maintenance : Preventive Maintenance and System Preservation</b>												
<b>Salem District-wide</b>												
	111191 F18 Plant Mix Interstate PM2S-962-F18 - Various; Various (15.1940 MI)											
	FedID(s) PM02458											
	1191 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$9,120,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,120,000
<b>Remaining:</b>												*
<b>Salem District-wide</b>												
	110269 Districtwide Primary Latex Schedule LM20-962-F17 - Various; Various (20.2300 MI)											
	FedID(s) PM02448											
	0269 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$1,061,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,061,000
<b>Remaining:</b>												*
<b>Salem District-wide</b>												
	109902 F-17 Plant Mix Roanoke & Craig Co. - Primaries PM2K-962-F17 - Various; Various (8.0900 MI)											
	FedID(s) PM02445											
	9902 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$1,900,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,900,000
<b>Remaining:</b>												*
<b>Salem District-wide</b>												
	109668 F17 Cape Seal Districtwide Federal Secondaries SS2B-962-F17 - Various; Various (11.4700 MI)											
	FedID(s) PM02430											
	9668 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$475,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$475,000
<b>Remaining:</b>												*
<b>Salem District-wide</b>												
	109847 F17 Plan Mix Federal Roanoke & Bote. Co. Sec. PM2Y-962-F17 - Various; Various (14.1300 MI)											
	FedID(s) PM02436											
	9847 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$1,701,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,701,000
<b>Remaining:</b>												*
<b>T9912903 - MAINTENANCE : PREVENTIVE MAINTENANCE AND SYSTEM PRESERVATION SUBTOTAL</b>												
	TIP:	\$4,399,286	\$2,500,000	\$26,288,932	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$33,188,218
	Obligated:	\$0	\$9,120,000	\$5,137,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$14,257,000
	Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												\$18,931,218

## STIP Grouping Detail

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912905 - Maintenance : Traffic and Safety Operations</b>												
Salem District-wide												
108332 Guardrail Upgrades for 2016 Paving Schedule - Salem Dist. - Various; Various												
FedID(s) TS02249												
9999	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
InCO	Obligated:	\$0	\$0	\$1,120,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,120,000
<b>Remaining:</b>												*
<b>T9912905 - MAINTENANCE : TRAFFIC AND SAFETY OPERATIONS SUBTOTAL</b>												
	TIP:	\$0	\$0	\$3,095,775	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,095,775
	Obligated:	\$0	\$0	\$1,120,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,120,000
	Released:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>Remaining:</b>												<b>\$1,975,775</b>

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912906 - Construction : Safety/ITS/Operational Improvements</b>												
<b>Roanoke City</b>												
	97231 ARRA - C RTE. 581 - AT ELM AVE (DESIGN BUILD) - Exit Ramps accessing Elm Ave.; 0.016 Mi W WilliamsonRd.-0.045 MI. E 4th St., SE on Elm Ave. (0.2240 MI)											
	FedID(s) FS09164											
	0581 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$65,617)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$65,617)
		<b>Remaining:</b>										*
<b>Salem District-wide</b>												
	116077 SAFETY PRESCOPING - SALEM											
	FedID(s) 9622110											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$579,818	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$579,818
		<b>Remaining:</b>										*
<b>Roanoke City</b>												
	114767 PEDESTRIAN SIGNAL UPGRADES - CITY OF ROANOKE - VARIOUS LOCATIONS; VARIOUS LOCATIONS											
	FedID(s) 9622091											
	0011 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$285,921	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$285,921
		<b>Remaining:</b>										*
<b>Roanoke County</b>												
	113947 Pedestrian Improvements on Route 11 (Williamson Road) - 0.24 Mi. North of Route 623 Dent Road; 0.063 mi. North of Route 1822 Middleton Road (0.2100 MI)											
	FedID(s) 5128451											
	0011 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$450,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$450,000
		<b>Remaining:</b>										*
<b>Roanoke County</b>												
	108905 #HB2.FY17 Lila Dr / Rte 115 Intersection Safety Improvements - 0.025 MI N. Intersection of Lila Drive & Plantation Road ; 0.051 MI S. Intersection of Lila Drive & Plantation Road (0.1000 MI)											
	FedID(s) 5128367											
	0115 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$3,736	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,736
		<b>Remaining:</b>										*
<b>Bedford County</b>												
	114638 Install Flashing Beacons on Intersection Warning Signs - Route 644; Route 644											
	FedID(s) 9622091											
	0122 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$20,796	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$20,796
		<b>Remaining:</b>										*

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Botetourt County</b>												
	115457 #SMART20 - Rte 220 and International Parkway Intersection - 0.25 mi N International Parkway; 0.25 mi N International Parkway (0.5000 MI)											
	FedID(s) 5128446											
	0220 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$240,000	\$0	\$0	\$0	\$240,000
		<b>Remaining:</b>										*
<b>Roanoke County</b>												
	107061 #HB2.FY17 Rte 419 Safety Improvements at Tanglewood - Route 867; Route 220 (0.5700 MI)											
	FedID(s) 5128427											
	0419 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$199,423	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$199,423
		<b>Remaining:</b>										*
<b>Bedford County</b>												
	108514 Pave Existing Shoulders and Install Rumble Strips & Signs. - 0.35 Miles West of Route 679 Baldwin Street; 1.08 Miles East of Route 714 East Main Street (5.0500 MI)											
	FedID(s) 0092048											
	0460 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$169,384	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$169,384
		<b>Remaining:</b>										*
<b>Roanoke City</b>												
	109570 Orange Avenue/ Hollins Road Signal Upgrade - City of Roanoke - Int. of US 460; And Route 115											
	FedID(s) 5128364											
	0460 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$27,007)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$27,007)
		<b>Remaining:</b>										*
<b>Roanoke County</b>												
	107055 Route 11 & 117 Roanoke Co. - Pedestrian Safety Improvements - 0.45 Mile South of Int. of Route 11 & Route 117; Int. of Route 11 & Route 117 (0.4500 MI)											
	FedID(s) 5128373, 5128441											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$214,577	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$214,577
		<b>Remaining:</b>										*
<b>Salem District-wide</b>												
	117211 FY 21 Curve Delineation - various; various											
	FedID(s) 9622112, 9622117											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$840,778	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$840,778
		<b>Remaining:</b>										*

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Salem District-wide</b>												
	117212 FY 21 Pedestrian Crossing Improvements - various; various											
	FedID(s) 9622113											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$150,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$150,000
											<b>Remaining:</b>	*
<b>Roanoke City</b>												
	111135 Flashing Yellow Arrow - Various locations - Roanoke City - Various; Various											
	FedID(s) 5128436											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$40,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,000
											<b>Remaining:</b>	*
<b>Roanoke City</b>												
	111137 Rectangular Rapid Flashing Beacons - Roanoke City - Various; Various											
	FedID(s) 5128437											
	9999 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$9,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000
											<b>Remaining:</b>	*
<b>Roanoke City</b>												
	111360 Franklin Road Sidewalk Improvements- Rt. 220 B- Roanoke City - 3100 Block; 220 Franklin Rd Bypass (0.7600 MI)											
	FedID(s) 5128391, 5128423											
	0220 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$439,619	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$439,619
	Released:	\$0	\$0	(\$100,205)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$100,205)
											<b>Remaining:</b>	*
<b>Roanoke City</b>												
	117221 Franklin Road Sidewalk Improvements - Rt. 220 B- Phase 2 - 3763 Franklin Rd; Hounds Chase Ln											
	FedID(s) 5128445, 5128448											
	0220 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$1,510,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,510,000
											<b>Remaining:</b>	*
<b>Roanoke City</b>												
	111370 #SMART18 - Hollins Rd & Orange Ave Intersection Improvements - 0.2 Mi West of Int Orange Ave/Hollins Rd; Int Hollins Rd/McDowell Ave (0.2000 MI)											
	FedID(s) 5128389											
	0460 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$400)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$400)
											<b>Remaining:</b>	*

## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>Roanoke City</b>												
	113324 Installation of Pedestrian Countdown Signal - Gainsboro Road; Burrell Street											
	FedID(s) 5128442											
	0000 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$5,000
		<b>Remaining:</b>										*
<b>Salem</b>												
	8753 #HB2.FY17 Rte460 - Add'n of CTL w/ Bike Ln, Curb, Sidewalk - 0.028 Mi. West of Route 311 (Thompson Memorial Blvd.); 0.006 Mi. West of Brand Ave. (0.5473 MI)											
	FedID(s) 5129006											
	0460 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$38,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$38,000
		<b>Remaining:</b>										*
<b>Salem</b>												
	100656 Construct sidewalk on west side of Rte 419 & connect to RRG - existing RRG in Rotary Park; City Limits (0.6700 MI)											
	FedID(s) 5128322											
	0419 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$71,872)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$71,872)
		<b>Remaining:</b>										*
<b>Vinton</b>												
	113322 Hardy Road/Dillon Woods Crosswalk - Bypass Road; McDonald Street											
	FedID(s) 5128454											
	0000 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Obligated:	\$0	\$0	\$97,563	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$97,563
		<b>Remaining:</b>										*
<b>Roanoke County</b>												
	15188 RTE 1663 - RECONSTRUCT; DRAINAGE STRUCT/BRANCH MUD LICK CK - SOUTH INT. ROUTE 221; INT. OF ROUTE 1662 (0.2830 MI)											
	FedID(s) 5128277											
	1663 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$295,812)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$295,812)
		<b>Remaining:</b>										*
<b>T9912906 - CONSTRUCTION : SAFETY/ITS/OPERATIONAL IMPROVEMENTS SUBTOTAL</b>												
	TIP:	\$147,694	\$0	\$2,384,300	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,531,994
	Obligated:	\$41,736	\$0	\$5,011,879	\$0	\$0	\$0	\$240,000	\$0	\$0	\$0	\$5,293,615
	Released:	(\$66,017)	\$0	(\$494,896)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$560,913)
		<b>Remaining:</b>										*



## STIP Grouping Detail

### Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

#### Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
<b>T9912907 - Construction : Bridge Rehabilitation/Replacement/Reconstruction</b>												
<b>Botetourt County</b>												
	77300 RTE. 11 OVER TINKER CREEK (STR 03166) - BRIDGE REPLACEMENT - 0.02 Mile North of Route 1039; 0.13 Mile North of Route 1039 (0.1100 MI)											
	FedID(s) 5128338											
	0011 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$104,728)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$104,728)
		<b>Remaining:</b>										*
<b>Botetourt County</b>												
	77302 RTE. 11 OVER TINKER CREEK (STR. 3167) - BRIDGE REPLACEMENT - Route 838; 0.09 Mile North of Route 838 (0.0900 MI)											
	FedID(s) 5128337											
	0011 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$38,342)	\$0	(\$103,644)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$141,986)
		<b>Remaining:</b>										*
<b>Bedford County</b>												
	62650 #SGR17VB - RT 634 OVER ROANOKE RIVER (STR 02718) - BR REPL - 0.19 Mi. West of Franklin County Line; 0.12 Mi. East of Bedford County Line (0.3100 MI)											
	FedID(s) 5128333											
	0634 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$133,777)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$133,777)
		<b>Remaining:</b>										*
<b>Botetourt County</b>												
	52803 RTE 779 - INT IMPROVEMENTS & BRIDGE OVER AMSTERDAM CREEK - 0.169 MILE EAST ROUTE 672 EAST; 0.236 MILE WEST ROUTE 672 EAST (0.4213 MI)											
	FedID(s) 5128299											
	0779 TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	InCO Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	\$0	\$0	(\$726,068)	(\$29,670)	\$0	\$0	\$0	\$0	\$0	\$0	(\$755,738)
		<b>Remaining:</b>										*
<b>T9912907 - CONSTRUCTION : BRIDGE REHABILITATION/REPLACEMENT/RECONSTRUCTION SUBTOTAL</b>												
	TIP:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$0	\$75,000
	Obligated:	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Released:	(\$38,342)	\$0	(\$1,068,217)	(\$29,670)	\$0	\$0	\$0	\$0	\$0	\$0	(\$1,136,229)
		<b>Remaining:</b>										\$75,000

## STIP Grouping Detail

Roanoke MPO Study Area

Federal Obligated Funds: 10/1/2020 - 9/30/2021

Funding Source/Amount

Locality	UPC / Description	NHS/NHPP	NHFP	STP/STBG	EB/MG	CMAQ	HIP	RSTP	BR/BROS	DEMO	SAFE	TOTAL
MPO SUBTOTAL												
	TIP:	\$6,210,670	\$2,500,000	\$35,172,001	\$0	\$0	\$0	\$1,402,697	\$75,000	\$0	\$0	\$45,360,368
	Obligated:	\$41,736	\$9,120,000	\$11,588,862	\$0	\$0	0	\$818,893	\$0	\$0	\$0	\$21,569,491
	Released:	(\$104,359)	\$0	(\$1,947,713)	(\$29,670)	\$0	0	\$0	\$0	\$0	\$0	(\$2,081,742)
											<b>Remaining:</b>	<b>\$23,790,877</b>