Transportation Improvement Program (TIP)

for the

New River Valley Metropolitan Planning Organization

Fiscal Years 2021 - 2024

Approved May 7, 2020

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It was prepared for the New River Valley Metropolitan Planning Organization by the Technical Advisory Committee of the New River Valley Metropolitan Planning Organization through a cooperative process involving the Towns of Blacksburg and Christiansburg, the City of Radford, the Counties of Montgomery and Pulaski, Blacksburg Transit, Radford Transit, Pulaski Area Transit, the Virginia Tech - Montgomery Executive Airport Authority, Virginia Tech, Radford University, New River Community College, the Virginia Department of Transportation, the Department of Rail and Public Transportation, the Federal Highway Administration (FHWA), and the Federal Transit Administration (FTA).

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Introduction

Purpose and Development

The Transportation Improvement Program (TIP) for the Blacksburg Urbanized Area is a comprehensive listing of transportation activities to be undertaken during the three-year interval for which it is developed. The basic purpose of the TIP is to recommend transportation projects for federal funding while combining the efforts of local jurisdictions into a regionally coordinated plan of improvements. The TIP is developed in accordance with provisions in federal legislation; Fixing America's Surface Transportation (FAST) Act. Information on the FAST Act can be found on the MPO website or at the following link: www.fhwa.dot.gov/fastact/.

Projects are proposed for the TIP by local officials, transit operating officials, the Virginia Department of Transportation and any other agencies or officials responsible for transportation projects within the region. These officials, through the New River Valley Metropolitan Planning Organization (MPO), select and schedule projects that they support for endorsement in the TIP. The Transportation Improvement Program is endorsed annually by the MPO and may be modified by amendments at any time. MPO membership currently includes officials from Montgomery and Pulaski Counties, the Towns of Blacksburg and Christiansburg, The City of Radford, Virginia Tech, Radford University, New River Community College, the New River Valley Regional Commission, Blacksburg Transit, Radford Transit, Pulaski Area Transit, the Virginia Tech/Montgomery Regional Airport Authority, the Virginia Department of Transportation, the Virginia Department of Rail and Public Transportation, the Federal Highway Administration, and the Federal Transit Administration.

The Comprehensive, Continuing, Cooperative (3-C) process of the MPO, provides a natural mechanism by which the plan can be carefully reviewed and updated annually. Annual development of this program helps to clarify future needs, allow revisions to accommodate changing conditions, and allows developing local and regional plans to be continually incorporated. The Technical Advisory Committee to the MPO made up of representatives from local, state, and federal agencies, provides the professional expertise necessary to derive a plan, and ensure that all local and regional interests are considered. Once the program is developed, the MPO reviews and approves the program according to policies adopted by the local governments.

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, or construction should be documented in the TIP.

Understanding the TIP

The arrangement of the Transportation Improvement Program identifies those capital projects anticipated during fiscal years 2021-22, through 2024-25. The project tables generally include a brief description of each project and the projected funding required to complete the project. This document provides detailed project tables for highway improvements including Interstate, Primary, Urban and Secondary system projects; safety improvements, Transportation Alternative projects, public transportation improvements, and airport improvements.

Financial Plan

The New River Valley MPO Transportation Improvement Program (TIP) provides a summary of how transportation revenues in the program will be invested over a four-year period by the state and local agencies that have legal responsibility to build, operate, and maintain the state's highway, road, street, airport, and public transit systems. Federally funded expenditures are required by federal law to be consistent with the FY2040 Long Range Plan adopted in November 2015 and to be constrained to include only projects that we anticipate having enough revenue to complete. A portion of this money is used to maintain and operate the transportation systems. The remainder is for capital projects.

The project tables have been derived from information provided to the MPO staff by the state and local agencies responsible for funding participation. These tables represent the best estimate of project descriptions and costs that can be made in advance of final negotiation. The principal references for the compilation of the roadway improvements section was the Virginia Commonwealth Transportation Board's current Transportation Development Plan, and the reader is directed to this publication for further discussion of the majority of roadway projects included in this report, as well as the Six Year Secondary Road Improvement Program for Montgomery County.

Federal regulations require the TIP to be financially constrained by fiscal year. The STIP must demonstrate that there is enough money available each year to fund projects listed in the TIP for the year. The purpose of the included tables is to demonstrate financial constraint (for Highway Projects, see pp. 9-15; for Transit/Public Transportation Projects, see pp. 16-21; for Airport/Aviation Projects, see pp. 22-23). The tables compare estimated revenues and expenditures by funding source and indicate how much revenue is estimated will be available each year from federal, state and local sources.

Definitions and Abbreviations

- AC Advance Construction
- ADA Americans with Disabilities Act
- Allocation An administrative distribution of funds set apart or designated for a special purpose.
- Apportionment A law that refers to a statutorily prescribed division or assignment of funds. An apportionment is based on prescribed formulas in the law and consists of dividing authorized obligation authority for a specific program.
- BH Bridge Rehabilitation Funds
- BR Bridge Replacement Funds
- BROS Bridge (off-system, not on the federal-aid system)
- DEMO Demonstration
- Earmarked To reserve or set aside for a specific purpose

- EB Equity Bonus
- EN Enhancement Funds
- *IM Interstate Maintenance Funds*
- M-Urbanized Funds
- *MG Minimum Guarantee*
- NHS National Highway System Funds
- PAPI Precision Approach Path Indicator
- PPMS Project Planning Management System (VDOT Tracking System Number)
- RPZ Runway Protection Zone RRP Rail Highway Protective Devices Funds
- RRP Rail Highway Protective Devices Funds
- RRS Rail Highway Grade Separation Funds
- *S State Funds*
- STP Surface Transportation Program Funds
- UST Underground Storage Tank
- [] Signifies a Very Preliminary Estimate of Cost

PUBLIC TRANSPORTATION PROGRAM

Federal Public Transportation Funding

Federal grants for public transportation programs are authorized by the FAST Act signed into law in December. Brief descriptions of funding categories for capital and operating expenses are given below for the programs typically used by transit agencies in the NRVMPO. Descriptions are posted at https://www.transit.dot.gov/grants.

Section 5310 Enhanced Mobility of Seniors & Individuals with Disabilities (formerly section 16) - Formula funding to states for the purpose of assisting private nonprofit groups in meeting transportation needs of the elderly and persons with disabilities.

Section 5311 Formula Grants for Rural Areas (formerly Section 18) - Provides capital, planning, and operating assistance to states to support public transportation in rural areas with populations less than 50,000, where many residents often rely on public transit to reach their destinations.

Section 5339(a) Grants for Buses and Bus Facilities Formula Program - Provides funding to states and transit agencies through a statutory formula to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities. In addition to the formula allocation, this program includes two discretionary components: The Bus and Bus Facilities Discretionary Program and the Low or No Emissions Bus Discretionary Program.

Grants for Buses and Bus Facilities Program - Provides funding through a formula and competitive allocation process to states and transit agencies to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities. The competitive allocation provides funding for major improvements to bus transit systems that would not be achievable through formula allocations.

Section 5307 Urbanized Area Formula Grants - Provides funding to public transit systems in Urbanized Areas (UZA) for public transportation capital, planning, job access and reverse commute projects, as well as operating expenses in certain circumstances. Up to 80% of capital improvements and up to 50% for operating expenses may be federally funded. Project priority is determined by the state.

The Federal Transit Administration has several other funding programs that are for planning and other specialized purposes and are generally not referred to in the Transportation Planning and Research Program.

Public Transportation Project Justification Narratives

In accordance with FTA reporting procedures discussions of the justification for individual projects applied for under the federal transit program must be included in the TIP. Section 5310 projects, which are reported through the Virginia Department of Rail and Public Transportation Division, remain unaffected by this requirement.

Operating Assistance (Blacksburg Transit)

Blacksburg Transit, a department of the Town of Blacksburg, Virginia, is a designated recipient of state and federal aid programs for public transit service. BT provides transit service to roughly 74,000 residents of the MPO area. Transit service is provided within the Town of Blacksburg, with a route that runs through Montgomery County to the Town of Christiansburg. Since a majority of Blacksburg Transit ridership is associated with the local university, Virginia Tech, service schedules coincide with the class schedules at the university.

During full service the hours of operation for routes within the Town of Blacksburg town limits are

Monday – Thursday 7:00 am to 12:45 am

Friday 7:00 am to 2:45 am

Saturday 9:30 am 2:45 am

Sunday 11:30 am to 11:30 pm

During reduced service* the hours of operation are:

Monday – Friday 7:00 am to 10:30 pm

Saturday 9:30 am 9:15 pm

Sunday 11:30 am to 7:15 pm

*note "reduced service" is during the summer and winter breaks.

Blacksburg Transit's complementary paratransit service is known as BT ACCESS. BT ACCESS' door-to-door service for persons with disabilities. It is available throughout the Town of Blacksburg during the times that fixed route service operates, and is widely recognized as one of the best in the state.

For routes in Blacksburg, Blacksburg Transit maintains an active fleet of 53 full-sized transit buses and 18 Body-On-Chassis (BOC) vehicles and vans for a total of 71. Blacksburg Transit's fleet is 100 percent accessible. Morning pullout during full service is 47 vehicles. BT provided 4,659,053 passenger trips during fiscal year 2019.

Service for the Town of Christiansburg

Service in the Town of Christiansburg, provided by BT, covers all areas within the Town limits. The current routes include the Go Anywhere! (demand-response), Explorer (deviated fixed route), and Commuter Service routes.

For year round service within Christiansburg, the hours of operation are

Monday - Friday 7:00 am to 5:45 pm

Saturday 9:30 am to 4:45 pm there is no Sunday service.

See the latest hours at http://ridebt.org/hours-of-operation

Blacksburg Transit, in cooperation with Virginia Tech, plans to construct a multi-modal transit facility (MMTF) to serve the existing and future riders in Blacksburg and the surrounding region. It is envisioned that this facility will be a hub for local and regional transit, creating a centralized transportation center that will promote alternative modes and facilitate non-automobile traffic. The facility, to include 17 bus bays on an east and west loop along with a 13,500 square foot building with a passenger waiting area, will allow future expansion of service to be better served by an expanded and comprehensive transit operation.

The NRV MPO Policy Board has authorized the Town Manager of the Town of Blacksburg on behalf of the NRV MPO to seek federal and state funding to support transit services. The projected program budget is for expenditures to be incurred for the provision of a standard level of transit service system-wide and represents no major changes in eligible expense categories from the previous grant year.

Operating Assistance (Radford Transit)

Radford Transit is a service provided by the City of Radford. Service is contracted through New River Valley Community Services and is a partnership between the City of Radford and Radford University. RT provides service to citizens and students in the City of Radford, Radford University, Fairlawn in Pulaski County, with connecting service to Christiansburg, and Blacksburg. Service is provided year-round with reduced service provided during times when Radford University is not in session.

At times when full service levels are provided, typical hours of operation are as follows:

Monday - Thursday: 6:50am - 10:50pm

Friday: 6:50am - 2:40am

Saturday: 9:50am - 2:40am

Sunday: 5:50pm – 11:50pm

Reduced service hours (when Radford University is not in session) are as follows:

Monday - Friday: 6:50am – 8:05pm

Saturday: 9:50am – 8:05pm

All Radford Transit service is "deviated fixed-route" which enables any person requesting a deviation to do so with 24-hour notice. Buses may deviate from fixed routes up to 3/4 mile from the bus route.

Radford Transit's fleet consists of five (5) body-on-chassis (Cutaway) style buses, eleven (11) 23-passenger low floor body-on-chassis (Cutaway) style buses, two (2) 29-passenger medium duty body-on-chassis (Cutaway) style buses, and two (2) low floor heavy duty transit buses.

In fiscal year, 2019 RT provided 268,727 passenger trips, a drop from the previous year. RT employs approximately 60 full and part-time employees and is a functioning department of New River Valley Community Services within the agency's transit services department. NRVCS also provides Community Transit (CT) service throughout the New River Valley. This service targets human service transportation and provides some service for Radford Transit in the connection with the New River Valley Medical Center.

The NRV MPO Policy Board has authorized the City Manager of the City of Radford on behalf of the NRV MPO to seek federal and state funding to support transit services. The projected program budget is for expenditures to be incurred for the provision of a standard level of transit service system-wide and represents no major changes in eligible expense categories from the previous grant year.

Performance Measures

Federal legislation requires that all MPOs establish performance measures to help assure funding is being used appropriately. This can be accomplished by setting measures specifically for the MPO or adopting the measures that are set by the State. The NRV MPO has adopted the measures used by the State. Currently, performance measures have been established for Safety. Other measures will be adopted later this year. The State measures adopted by the MPO for Safety follow.

Appendix E, Addendum 1: Performance Based Planning and Programming – Safety Performance Measures

Performance Targets

In accordance with the requirements of MAP-21 and the FAST Act, Virginia has established safety performance objectives as published in <u>Virginia's 2017 – 2021 Strategic Highway Safety Plan</u> (SHSP) and, starting in 2017, annual targets in the Highway Safety Improvement Program (HSIP) Annual Report. The SHSP performance measure objectives are indicated in Table 1 below.

 Performance Target
 Per Year Reduction

 1 Number of Fatalities
 2%

 2 Rate of Fatalities per 100 Million Vehicle Miles Travelled
 3%

 3 Number of Serious Injuries
 5%

 4 Rate Serious Injury Million Vehicle Miles Travelled
 7%

 5 Number of Non-Motorized Fatalities and Non-Motorized Serious Injuries
 4%

Table 1: 2017 - 2021 SHSP Safety Performance Objectives

For safety performance measures 1, 2, and 3, annual targets are developed collaboratively by the Department of Motor Vehicles (DMV) Highway Safety Office (HSO) and VDOT HSIP staff. The DMV HSO includes these measures in their Highway Safety Plan submitted to the National Highway Traffic Safety Administration (NHTSA) every June.

The Commonwealth Transportation Board approves all five annual targets and VDOT includes these in the HSIP Annual Report submitted to FHWA every August. Within 180 days of VDOT's annual report submission to FHWA, MPOs must indicate their support of the state targets or submit their unique regional targets for one or more of the safety measures.

Connection to Other Performance Based Planning Documents

The federally required SHSP, a five-year multi-agency comprehensive plan focused on reducing fatalities and serious injuries on all public roads, serves as the coordinating document for other plans and programs that involve traffic safety. This coordination involves the long-range statewide transportation plan (LRSTP), the metropolitan transportation plans (MTP), and three plans that implement parts of the SHSP – the Highway Safety Plan (HSP), the HSIP, and the Commercial Vehicle Safety Plan (CVSP). This integration is important for improving overall safety coordination amongst various partners and leads to transportation that is more comprehensive safety planning.

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¹ It is a federal requirement that safety performance measures 1, 2, and 3 are identical targets for NHTSA's Highway Safety Grants Program and FHWA's Highway Safety Improvement Program. This requirement allows States to align their safety performance targets and work collaboratively to achieve them.

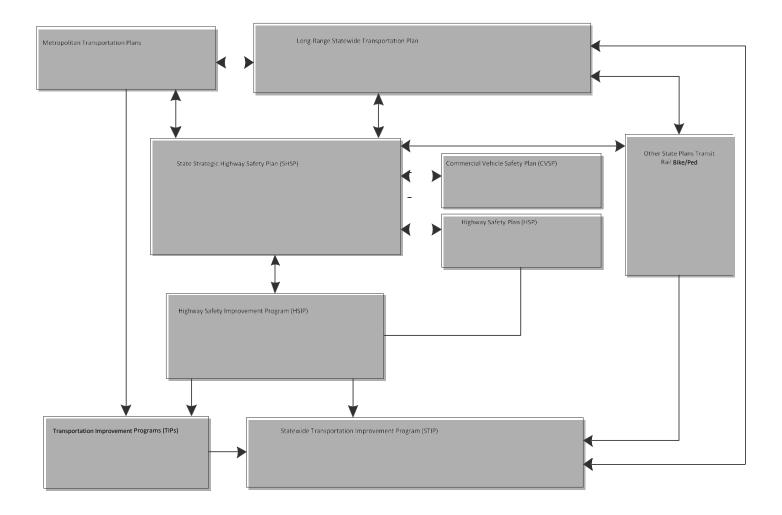
The LRSTP, VTrans2040, guides the state's investment decisions for transportation improvements. Safety and performance management is included in the VTrans2040 Vision, Goals & Objectives, and Guiding Principles:

- Guiding Principle 2: Ensure Safety, Security, and Resiliency Provide a transportation system that is safe for all users, responds immediately to short-term shocks such as weather events or security emergencies, and adapts effectively to long-term stressors such as sea level rise.
- Guiding Principle 5: Ensure Transparency and Accountability, and Promote Performance
 Management work openly with partners and engage stakeholders in project development
 and implementation, and establish performance targets that consider the needs of all
 communities, measure progress towards targets, and to adjust programs and policies as
 necessary to achieve the established targets.
- Goal C: Safety for All Users provide a safe transportation system for passengers and goods on all travel modes.
 - o Objectives:
 - Reduce the number and rate of motorized fatalities and serious injuries.
 - Reduce the number of non-motorized fatalities and injuries.

MTPs are similar to the LRSTP however; a MTP covers a specific metropolitan planning area. MTPs include goals and objectives for their respective areas/regions and identify strategies for advancing long-term transportation investments in a specific region.

The HSP is an annual plan to address highway user behaviors that will improve safety through education and enforcement campaigns. The HSP and associated NHTSA grants are administered through the Highway Safety Office at the DMV. Furthermore, each year Virginia State Police (VSP) submits a Commercial Vehicles Safety Plan (CVSP) to Federal Motor Carrier Safety Administration as a requirement of obtaining related enforcement grants.

The relationship between the various plans and programs is shown below:



Projects in the STIP are directly linked to the safety objectives outlined in the SHSP through the strategies and actions that are priorities in Virginia.

Funding for Safety Projects

Safety targeted improvements are implemented through HSIP projects. Each year Virginia is allocated ~\$55 Million for HSIP and \$5 Million for Railway Grade Crossing improvements. Virginia is also subject to a Penalty Transfer provision, Section 154 "Open Container", such that 2.5% of NHPP funds are reserved for either NHTSA Alcohol-Impaired Driving or HSIP projects. The State determines what proportion goes to each program. Of the HSIP funds, about 10 percent is set aside for non-motorized safety projects and 20 percent of the remainder for improvements on locally maintained roadways.

How do Safety Projects get selected for Inclusion in the STIP?

The HSIP project planning and delivery follows these steps:

- Each year highway segment and intersection locations that have the highest potential for safety
 improvement are identified based on the previous five years of traffic crash and volume data.
 These above average crash locations are provided to the VDOT Districts to determine
 appropriate locations and countermeasures for HSIP funding. The potential for vehicle-train
 crashes at each at-grade railroad crossing is also distributed.
- HSIP project proposals are submitted through the SMART Portal for the appropriate safety program.
- VDOT and locality submitted HSIP proposals are reviewed and prioritized based on the number of targeted crashes and the benefit to cost ratio or the potential risk reduction for nonmotorized and rail highway grade crossing improvements.
- Projects are selected and programmed for the last two or three years of the SYIP. At present, there are over \$100 million of safety improvement proposals, with an expected benefit, that remain unfunded.

In recent years, programmed priority HSIP projects have shifted from being higher cost spot intersection and segment improvements to lower cost systemic improvements that target specific crash types and/or roadway characteristics that are factors in crashes across the network. Examples of systemic improvements include traffic signal devices and timing at intersections and curve signing, higher friction surfaces and rumble strips on segments.

Safety improvements are also included within projects funded with non-HSIP funds. The SMART SCALE scoring and prioritization process for inclusion of projects in the SYIP, considers safety benefits from improvements addressing travel of all modes. Many of the large SMART SCALE projects, upon completion, will have distinct impacts on safety performance in the Commonwealth. In addition, projects funded through other state and federal sources in the SYIP, such as the Transportation Alternatives Program, including Safe Routes to School grants, Revenue Sharing, and even some CMAQ and maintenance projects, will also have crash reduction benefits that contribute to improved safety performance.

Thus, the funding to meet Virginia's safety objectives and targets is allocated to projects in the CTB approved SYIP, and is consistent with VTrans2040. Since the SYIP is the foundation for the STIP, the program of projects in the STIP demonstrates support to achieve Virginia's safety performance objectives and targets and is consistent with Virginia's SHSP and the HSIP.

Appendix E, Addendum 3: Performance Based Planning and Programming - Pavement and Bridge Performance Measures

Performance Targets

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 2018-2021¹. 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 1 below.

Table 1: Pavement Condition Measures and Performance Targets

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

Bridge condition measures and established performance targets for the 2018-2021 performance period are indicated in Table 2 below.

¹ Virginia's Baseline Performance Period Report data is through December 2017.

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

³ 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.

⁴ 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 2: NHS Bridge Condition Measures and Performance Targets

NHS Bridge Condition Measures	CY 2018-2019 Two Year Target	CY 2018-2021 Four Year Target
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%

Background/History

Virginia's history of monitoring asset conditions and utilizing performance information to determine investment strategies based on available funding levels spans over 10 years for pavements and bridges.

VDOT maintains a comprehensive inventory of all pavement and bridges on the state-maintained network. This inventory, which includes location, maintenance responsibility, ownership, and current condition or inspection information, serves as the foundation for life cycle planning, performance forecasting, maintenance and rehabilitation needs estimation, as well as prioritization of work to maximize asset life given available funding. Condition information is also important for communicating with external stakeholders, including the general public.

VDOT's commitment to responsible Transportation Asset Management (TAM) practice is demonstrated through VDOT's annual condition data collection programs and its establishment and publication of network level pavement and bridge performance goals. VDOT's current condition measures and performance goals have been in place for many years and are fully integrated into VDOT's budgeting process and investment strategies.

The federal pavement and bridge performance measures apply to a limited portion of the network for which VDOT is responsible (less than 15% of all lane miles and 18% of the bridge inventory).

Connection to Other Performance Based Planning Documents

VTrans, the state's long-range multimodal plan, provides the overarching vision and goals for transportation in the Commonwealth. The long-range plan provides a vision for Virginia's future transportation system and defines goals, objectives, and guiding principles to achieve the vision. It also provides direction to state and regional transportation agencies on strategies and policies to be incorporated into their plans and programs. The most recent approved long-range multimodal plan is VTrans2040.

Performance management, specifically as it relates to pavements and bridges, is included in the VTrans2040Vision, Goals & Objectives, and Guiding Principles as noted below:

- Guiding Principle 5: Ensure Transparency and Accountability, and Promote Performance Management Work openly with partners and engage stakeholders in project development and implementation, and establish performance targets that consider the needs of all communities, measure progress towards targets, and to adjust programs and policies as necessary to achieve the established targets.
- Goal D: Proactive System Management maintain the transportation system in good condition and leverage technology to optimize existing and new infrastructure.
 - o Objectives:
 - Improve the condition of all bridges based on deck area.
 - Increase the lane miles of pavement in good or fair condition.

Virginia's federally required Transportation Asset Management Plan (TAMP) presents pavement and bridge inventory and conditions, along with the Commonwealth's performance objectives, measures, and associated risks as they relate to the federal requirements. Asset funding, investment strategies, forecasts, goals, and gaps are also included. The TAMP is specific to the NHS and provides the Commonwealth's Transportation Asset Management (TAM) processes and methodology to meet federal requirements. Pavement and bridge projects included in the STIP are consistent with Virginia's reported TAM processes and methodology.

The program of projects in the STIP are directly linked to the pavement and bridge objectives outlined in VTrans2040 and the TAMP through the strategies and actions that are priorities in Virginia.

Funding for Pavement and Bridge Projects

There are two key funding sources for pavement and bridge projects, the Highway Maintenance and Operations Fund (HMOF) and State of Good Repair (SGR) program funds. The pavement and bridge funding is used for differing projects from routine maintenance to reconstructive work. Funds are allocated to pavement and bridge projects based on an annual needs assessment process supported by a data-driven prioritization and selection process. The prioritization process is the same for the various funding sources; however, the <u>State of Good Repair</u> program funds are designated for deteriorated pavements and structurally deficient bridges.

The SGR program requires funds be distributed proportionality between VDOT and localities, based on assessed needs. More details, including the requirements for pavements and bridges, and the SGR prioritization process methodology, can be found at: <u>State of Good Repair for Bridges</u> and Local Assistance Funding Programs.

VDOT has developed a robust asset management program, placing maintenance of the transportation network at the forefront of VDOT's investment decisions. This commitment to responsible asset management practice is demonstrated through VDOT's annual collection of condition data on pavements and bridges along with its establishment and publication of network-level pavement and bridge performance targets. For more than a decade, VDOT has

monitored pavement and bridge conditions using performance information (measures and targets) to determine investment strategies based on available funding levels.

In the annual needs assessment process, VDOT assesses 100% of the pavement network on Virginia's Interstate and Primary systems and approximately 20% of the Secondary system. In 2016, VDOT assessed 100% of the Secondary pavement network to create a condition baseline. The pavement condition data is compiled, analyzed and reviewed to report the optimized needs at a roadway system and district level. VDOT's pavement program selects resurfacing projects, in relation to needs, and optimizes the timing of projects through a data-driven pavement management system.

For bridges, VDOT follows national standards in performing safety inspections and determining general condition of the structures. Condition assessments are performed by certified safety inspection personnel. The inspection program requires a qualified inspector to complete a "hands-on" review of the structure or bridge during each inspection. By federal regulation, VDOT is required to conduct detailed inspections of NBI structures at intervals not to exceed 24 months. VDOT uses BrM software to store bridge condition and inventory data for each structure and to program, schedule, and track bridge and structure inspections. The data collected during inspections allows VDOT to use a proactive approach to maintenance. Preventive maintenance and timely intervention repairs are performed to avoid and slow deterioration that leads to greater rehabilitation or replacement cost. Virginia's bridge maintenance program is large and complex, so in order to direct its efforts more easily, performance targets have been developed.

VDOT uses a prioritization process when determining funding for the pavement and bridge programs and prioritizes work ranging from preventative maintenance to replacement. The prioritization processes take into account similar factors such as condition, cost effectiveness, maintenance history, and traffic volumes. While the systematic prioritization processes are a guide to assist in funding projects, districts direct the work performed as the local experts.

How do Pavement and Bridge Projects get selected for Inclusion in the STIP?

As noted above, the funding to meet Virginia's pavement and bridge objectives and targets is allocated to projects in the CTB-approved SYIP and is consistent with VTrans2040. Each spring, the public is invited to comment on projects included in the draft SYIP prior to CTB approval. Since the SYIP is the foundation for the STIP, the program of projects in the STIP demonstrates support to achieve Virginia's pavement and bridge performance objectives and targets and is consistent with Virginia's TAMP.

Appendix E, Addendum 4: Performance Based Planning and Programming - Highway System Performance

Performance Targets

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 1 below.

Table 1: National Highway System Travel Time Reliability Performance Measures and Targets

NHS Travel Time Reliability Performance	CY 2018-2019 Two Year Target	CY 2018-2021 Four Year Target
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 ¹	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 2 below.

Table 2: Freight Reliability Performance Measure and Targets

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

The Commonwealth Transportation Board (CTB) approves the performance measures and targets developed for Virginia's surface transportation network. Such targets, including those for Highway System Performance, are linked to the goals and objectives in Virginia's long-range transportation plan, or VTrans.

¹ During this first performance period, States are not required to establish 2-year targets for the Non-Interstate NHS reliability measure.

Connection to Other Performance Based Planning Documents

VTrans, the state's long-range multimodal plan, provides the overarching vision and goals for transportation in the Commonwealth. The long-range plan provides a vision for Virginia's future transportation system and defines goals, objectives, and guiding principles to achieve the vision. It also provides direction to state and regional transportation agencies on strategies and policies to be incorporated into their plans and programs. The most recent approved long range multimodal plan is VTrans2040.

VTrans2040 identifies the most critical transportation needs in Virginia to ensure the overarching transportation goals in the long-range plan are achieved. The screening process was informed by a data-driven approach that considers highway system performance measures and targets in addition to other performance indicators.

Performance management, as it relates to the reliability of the NHS and freight, is included in the VTrans2040Vision, Goals & Objectives, and Guiding Principles as noted below:

- Guiding Principle 4: Consider Operational Improvements and Demand Management First

 Maximize capacity of the transportation network through increased use of technology
 and operational improvements as well as managing demand for the system before
 investing in major capacity expansions.
- Goal A Economic Competitiveness and Prosperity: invest in a transportation system that supports a robust, diverse, and competitive economy.
 - o Objectives:
 - Reduce the amount of travel that takes place in severe congestion.
 - Reduce the number and severity of freight bottlenecks.
 - Improve reliability on key corridors for all modes.
- Goal B Accessible and Connected Places: increase the opportunities for people and businesses to efficiently access jobs, services, activity centers, and distribution hubs.
 - o Objectives:
 - Reduce average peak-period travel times in metropolitan areas.
 - Reduce average daily trip lengths in metropolitan areas.
 - Increase the accessibility to jobs via transit, walking and driving in metropolitan areas.

Additionally, the Virginia Freight Element (VFE), a component of VTrans2040, discusses freight system trends, needs, and issues. The VFE also includes freight policies, strategies, and performance measures that guide Virginia's freight-related investment decisions.

Projects included in the STIP are directly linked to the Highway System Performance objectives outlined in VTrans2040 and associated needs analysis, and the VFE through the strategies and actions that are priorities in Virginia.

Funding for Highway System Performance Projects

SMART SCALE, Virginia's data-driven prioritization process for funding transportation projects, considers the potential of a project to improve reliability. In order to be considered for SMART SCALE, a project must first meet a need identified in VTrans2040, thus strengthening the connection between the planning and programming processes. Congestion mitigation, safety, accessibility, economic development, environment, and land use are the factors used to score SMART SCALE projects. Freight considerations are included in the economic development factor.

The FAST Act established a National Highway Freight Program, including a freight-specific funding program to highlight the focus on freight transportation needs. Projects eligible for National Highway Freight Program (NHFP) funding must contribute to the efficient movement of freight on the National Highway Freight Network (NHFN) and be included in the VFE. VDOT uses NHFP funding to construct freight beneficial projects identified through the SMART SCALE process.

SMART SCALE screening and scoring results, along with public feedback and CTB guidance, are used to develop the SYIP.

Other projects selected for funding are subject to program specific prioritization processes approved by the CTB. All funding (federal, state, and other sources) for transportation projects are allocated to projects in the CTB approved SYIP.

How do Highway System Performance Projects Get Selected for Inclusion in the STIP?

As noted above, the funding for all transportation projects, including funding for projects to meet Virginia's NHS system performance and freight movement targets is allocated to projects in the CTB approved SYIP, and is consistent with VTrans2040 and the VFE. Since the SYIP is the foundation of the STIP, the program of projects in the STIP demonstrates support to achieve Virginia's NHS and Freight Reliability performance objectives and targets.

Performance Based Planning and Programming for Transit Asset Management

The two most recent federal transportation laws, MAP-21 and FAST Act, establish performance measure requirements to ensure states and metropolitan planning organizations (MPOs) are investing transportation funds in projects that collectively will contribute towards the achievement of national goals. The USDOT recently published new rules for states and MPOs to collect data and establish performance targets that will support performance and outcome-based investment decisions.

The new federal performance measurement requirement for transit agencies focuses on one area: transit asset management (TAM). The measures look specifically at the percentage of revenue vehicles that have exceeded their Useful Life Benchmark (ULB), the percentage of non-revenue and service vehicles that have exceeded their ULB, and percentage of facilities with a condition below 3.0 on the Federal Transit Administrator's TERM Scale. All transit agencies receiving grants from the FTA are required to complete a TAM plan. The FTA has established two tiers of agencies based on size parameters.

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 sub recipient of FTA 5311 funds, is an American Indian Tribe, 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) has opted to sponsor a group TAM plan for Tier II providers. Tier I providers are not eligible for group plans.

For Tier II providers under the DRPT Group Plan, any Transportation Improvement Program (TIP) document or Metropolitan Transportation Plan (MTP) adopted after October 1, 2018 will be in compliance with the TAM Plans developed by DRPT and adopted by the Tier II transit providers within the MPO as well as the regional performance measures adopted by the MPO as a whole.

The performance measurements and the targets can be found in the DRPT *Group Transit Asset Management Plan*.

The New River Valley's planning process will integrate, either directly or by reference, the goals, objectives, performance measures, and targets described in the Tier II group plan. The transit providers within the MPO are all Tier II.

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. Figure 2 describes each of these measures.

Figure 2: TAM Performance Measures by Asset Category

Asset Category	Relevant Assets	Measure	Measure Type	Desired Direction
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
Infrastructure	Fixed guideway track	Percentage of track segments with performance (speed) restrictions, by mode	Performance- 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 sub recipient 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.

Tier II Group Plan

The Department of Rail and Public Transportation (DRPT) is the sponsor for the Statewide Tier II Group Plan. The New River Valley programs federal transportation funds for the Town of Blacksburg (Blacksburg Transit) and the City of Radford (Radford Transit). The Town of Blacksburg (Blacksburg Transit) and the City of Radford (Radford Transit) are both Tier II agencies participating in the DRPT sponsored group TAM Plan. The MPO 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 MPO's planning and programming process specific targets for the Tier II Group TAM Plan are included in the table below.

Table 3: 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*
Revenue Vehicles		
	AB - Articulated Bus	15%
Age - % of revenue vehicles	BU - Bus	10%
within a particular asset	CU - Cutaway	10%
class that have met or	MB - Minibus	20%
exceeded their Useful Life	BR - Over-the-Road Bus	15%
Benchmark (ULB)	TB - Trolley Bus	10%
	VN - Van	25%
Equipment		
Age - % of vehicles that	Non-Revenue/Service Automobile	25%
have met or exceeded their	Trucks and other Rubber Tire Vehicles	25%
Useful Life Benchmark (ULB)		
Facilities		
Condition - % of facilities	Administrative and Maintenance Facility	10%
with a condition rating	Administrative Office	10%
below 3.0 on the FTA TERM Scale	Maintenance Facility	10%
i Linii Scale	Passenger Facilities	10%

Additional information and guidance is available on FTAs Transit Asset Management website:

https://www.transit.dot.gov/TAM

FTA TAM planning factsheet:

 $\underline{https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/Planning\%20for\%20TAM\%20fact\%20sheet.}\\ pdf$

PUBLIC TRANSPORTATION AGENCY SAFETY PLAN

OVERVIEW OF PTASP AND IMPORTANT DATES FOR MPOS AUGUST 2020

Background

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).

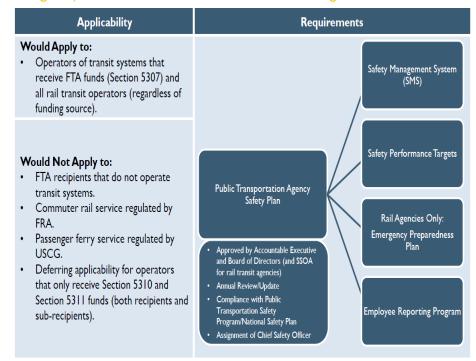
The rule applies to all operators of public transportation systems

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 49 U.S.C. § 5307 (Section 5307 Grant Program) see attachment A for a list of Transit agencies.

DRPTs Role: DRPT has drafted a PTASP on behalf of small tier II transportation providers. Under the PTASP rule a small tier II transportation provider is defined as meeting all of the following criteria:

- Is a recipient or sub-recipient of FTA's Urbanized Area Formula Program,
- Operates 100 or fewer vehicles in peak revenue service, and
- Does not operate rail/fixedguideway public transportation

Important Dates
Tier II PTASP plan effective date:
8/11/2020
MPO initial targets include in TIP
bv: 2/7/2021



Performance-Based Planning

As part of PTASP requirements, transit agencies must set safety performance targets in their safety plans for each mode (Fixed route and paratransit) based on the following safety performance measures that FTA has established in the National Public Transportation Safety Plan (NSP):

Measure	Targ	Target Type		
Fatalities	Total number	Rate per revenue miles	Decreasing number and rate	
Injuries	Total number	Rate per revenue miles	Decreasing number and rate	
Safety events	Total number per year	Rate per revenue miles	Decreasing number and rate	
System reliability	Distance between major failures	Distance between minor failures	Decreasing number and rate	

MPOs must reference performance targets and plans within the MPO 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. MPOs should also make reference to the PTASP plan in their TIP.

MPO Role

The PTAPS rule states that each transit provider must provide the MPO with safety performance targets to assist the MPO with capital program planning process (Long Range Transportation plan and TIP). The MPO will need to incorporate the performance targets and safety plan(s) (by reference) into the TIP and LRTP. Additional resources on the MPOs role in PTAS is available from the FTA's MPO FAQ page.

For MPOs with tier II transit agencies(s) participating in the group plan, DRPT is providing the agency specific targets developed for the Statewide Tier II group PTASP plan to the MPOs for consideration and inclusion in MPO TIPs.(Attachment A) MPOs may consider adopting the targets provided in the group plan or adopting regionally specific targets of their own. For additional guidance please refer to <u>FTA's Safety performance Targets Guide.</u> In many cases MPOs can add the targets to the TIP via an administrative update instead of an amendment ¹

For MPOs with Tier I transit agencies PTASP planning responsibility falls to the transit agency. Agencies should be coordinating with the MPOs to the extent feasible on PTASP target setting. As timeline may differ due to COVID-19 impacts MPOs with Tier I agencies should directly contact the transit providers.

As with other performance measures under MAP-21, MPOs will have **180 days** from the date the plans are certified to adopt measures into the TIP and LRTP. With the publication date of the Tier II group plan being **8/11/2021** MPOs will have to adopt initial targets by **2/7/2021**.

After the initial round in 2021 MPOs will have to update the PTASP performance targets when LRTP or TIP are updated or a transit agency make changes to their targets during an annual PTASP plan review. Transit agencies are required to review their PTASP annually by July 20th.

Public Transportation Agency Safety Plan (PTASP)

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). Agencies are required to fulfill this requirement through an individual or group plan. The PTASP 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.

¹ MPOs should follow their procedures as defined in their Public Participation Plans

• 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.

Tier II Group Plan

The Department of Rail and Public Transportation (DRPT) is the sponsor for the Statewide Tier II Group PTASP Plan. The New River Valley MPO programs federal transportation funds for Blacksburg Transit and the City of Radford. Blacksburg Transit and the City of Radford are Tier II agencies participating in the DRPT sponsored group PTASP Plan. The NRV MPO has adopted the <u>Tier II PTASP</u> into its TIP by reference and integrated the goals measures and targets described in the 2020 Commonwealth of Virginia Tier II Group Transit Asset Management Plan, August 11, 2020 into the MPO's planning and programming process. Specific targets for the Tier II Group PTASP Plan are included in the table below.

Table 1: Tier II Transit Agency PTASP Performance Targets by Mode:

Blacksburg Transit

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

City of Radford

	Targets by	Mode				
Performance Measures	Fixed Route					
Fatalities (total number of reportable fatalities per year)	0					
Fatalities (rate per total vehicle revenue miles by mode)	0					
Injuries (total number of reportable injuries per year)	2					
Injuries (rate per total vehicle revenue miles by mode)	Less than .5 injuries per 100,000 vehicle revenue miles					
Safety events (total number of safety events per year)	3					
Safety events (rate per total vehicle revenue miles by mode)	Less than 1 reportable event per 100,000 vehicle revenue miles					
Distance between Major Failures	10,000 miles					
Distance between Minor Failures	3,200 miles					

Information and Resources

Additional information and guidance is available on FTAs Public Transportation Safety Plan webpage: https://www.transit.dot.gov/PTASP

PTASP final rule factsheet:

https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/regulations-and-guidance/safety/public-transportationagency-safety-program/117281/ptasp-fact-sheet-02-06-2019.pdf

DRPT Contact:

Wood Hudson, Statewide transit planner Wood.hudson@drpt.virginia.gov 804-655-4567

Attachment A: Tier II Group PTASP Participants TABLE 2: TIER 2 TRANSIT AGENCIES PARTICIPATING IN DRPT GROUP PLAN

Transit Agency	MPO
Blacksburg Transit	New River Valley
Blue Ridge Intercity Transit Express (BRITE)	Staunton Augusta Waynesboro
Charlottesville Area Transit	Charlottesville Albemarle
City of Bristol Transit	Bristol
City of Harrisonburg Transit	Harrisonburg Rockingham
City of Radford Transit	New River Valley
City of Suffolk	Hampton Roads TPO
City of Winchester Transit	Winchester-Frederick County
Fredericksburg Regional Transit	Fredericksburg Area
Greater Lynchburg Transit	Central Virginia
Greater Roanoke Transit	Roanoke Valley TPO
JAUNT	Charlottesville Albemarle
Mountain Lynx Transit (District 3 Transit)	
Petersburg Transit	Tri-Cities
Williamsburg Area Transit	Hampton Roads TPO

FEDERAL FUNDING CATEGORIES FISCAL CONSTRAINT BY YEAR

Highway Projects FFY 2021 - 2024

	FFY	2021	FFY	2022	F	FY 2023	F	FY 2024	TO	ΓAL
Fund Source	Projected Obligation Authority	Planned Obligation								
Federal										
HSIP	\$0	\$0	\$302,108	\$302,108	\$0	\$0	\$0	\$0	\$302,108	\$302,108
TAP	\$103,250	\$103,250	\$526,181	\$526,181	\$0	\$0	\$0	\$0	\$629,431	\$629,431
Subtotal Federal	\$103,250	\$103,250	\$828,289	\$828,289	\$0	\$0	\$0	\$0	\$931,539	\$931,539
Other										
State Match	\$25,813	\$25,813	\$207,073	\$207,073	\$0	\$0	\$0	\$0	\$232,886	\$232,886
Subtotal Other	\$25,813	\$25,813	\$207,073	\$207,073	\$0	\$0	\$0	\$0	\$232,886	\$232,886
Total	\$129,063	\$129,063	\$1,035,362	\$1,035,362	\$0	\$0	\$0	\$0	\$1,164,425	\$1,164,425
HSIP NHFP	\$0 \$1,134,633	\$0 \$1,134,633	\$0 \$0	\$0 \$0	\$188,061 \$0	\$188,061 \$0	\$0 \$0	\$0 \$0	\$188,061 \$1,134,633	\$188,061 \$1,134,633
Subtotal Federal - ACC (1)	\$1,134,633	\$1,134,633	\$ 0	\$ 0	\$188,061	\$188,061	\$ 0	\$ 0	\$1,322,694	\$1,322,694
Maintenance - Federal (4)										
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
Subtotal Maintenance - Federal (4)	\$37,857,619	\$37,857,619	\$34,968,163	\$34,968,163	\$36,420,854	\$36,420,854	\$37,470,081	\$37,470,081	\$146,716,717	\$146,716,717

- (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

New River Valley MPO

Interstate Projects

UPC NO	0	115852	SCOPE	Traffic Managemen	t/Engineering		
SYSTE	M	Interstate	JURISDICTION	Statewide		OVERSIGHT	NFO
PROJE	CT	ITTF FY20 Micro Tr	ansit		ADMIN BY	DRPT	
DESCR	RIPTION	FROM: Various TO	arious TO: Various				
ROUTE	STREET	9999		TOTAL COST	\$500,000		
	FUND SOU	IRCE	MATCH	FY21	FY23	FY24	
PE AC	Federal - A	C OTHER	\$0 \$500,000			\$0	\$0

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New River Valley MPO

Primary Projects

UPC N	0	99425	SCOPE	Reconstruction w/ A	Added Capacity			
SYSTE	М	Primary	JURISDICTION	Blacksburg		OVERSIGHT	NFO	
PROJE	СТ	RTE 460 - Southgar	te Dr. Interchange &	te Dr. Interchange & Connector			VDOT	
DESCR	RIPTION	FROM: 0.156 Mi. W	Int. Southgate Dr. TO: 0.799 Mi. E. Int. Southgate Dr. (0.9556 MI)					
PROGE	RAM NOTE	All funds obligated b	oased on current allo	cations/estimate				
ROUTE	STREET	RTE. 460 BYPASS	(0460)	(0460)			\$51,803,125	
_	FUND SOURCE		MATCH	FY21	FY22	FY23	FY24	
			\$0	\$0	\$0	\$0	\$0	

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New River Valley MPO

Project Groupings

GROUPING Construction : Bridge Rehabilitation/Replacement/Reconstruction							
ROUTE/STREET TOTAL COST						\$34,014,401	
	FUND SOL	IRCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - AC CONVERSION		\$283,658	\$1,134,633	\$0	\$0	\$0

GROUPING Construction : Rail								
ROUTE	STREET					TOTAL COST	\$2,650,808	
	FUND SOL	IRCE	MATCH	FY21	FY22	FY23	FY24	
			\$0	\$0	\$0	\$0		\$0

GROUP	GROUPING Construction : Safety/ITS/Operational Improvements							
ROUTE/STREET						TOTAL COST	\$59,762,604	
	FUND SOU	IRCE	MATCH	FY21	FY22	FY23	FY24	
CN AC	Federal - AC		\$159,176	\$1,432,587	\$0	\$0	\$0	

GROU	PING	Construction : Trans	onstruction : Transportation Enhancement/Byway/Non-Traditional							
ROUTE/STREET						TOTAL COST	\$12,736,860			
	FUND SOL	JRCE	MATCH	FY21	FY22	FY23	FY24			
RW	Federal - T	AP/F	\$20,813	\$83,250	\$0	\$0	\$0			
	Federal - TAP/SU		\$5,000	\$20,000	\$0	\$0	\$0			
RW TC	TAL		\$25,813	\$103,250	\$0	\$0	\$0			

CN	Federal - AC CONVERSION	\$47,015	\$0	\$0	\$188,061	\$0
	Federal - HSIP	\$75,527	\$0	\$302,108	\$0	\$0
	Federal - TAP/F	\$97,088	\$0	\$388,350	\$0	\$0
	Federal - TAP/SU	\$34,458	\$0	\$137,831	\$0	\$0
CN TOTAL		\$254,088	\$0	\$828,289	\$188,061	\$0

GROU	IPING	Maintenance : Prev	entive Maintenance	and System Preserv	ation		
PROG	ROGRAM NOTE Funding identified to be obligated districtwide as projects are identified.						
ROUT	E/STREET				TOTAL COST	\$85,964,101	
	FUND SOL	IRCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - N	HFP	\$0	\$2,500,000	\$2,500,000	\$0	\$0
	Federal - N	HS/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 TC	TAL		\$0	\$17,336,449	\$19,755,260	\$21,761,464	\$27,110,928

GROU	GROUPING Maintenance : Preventive Maintenance for Bridges						
PROGRAM NOTE Funding identified to be obligated districtwide as projects are identified.							
ROUTI	E/STREET				TOTAL COST	\$45,370,193	
	FUND SOU	IRCE	MATCH	FY21	FY22	FY23	FY24
CN	Federal - Bl	R	\$0	\$1,000,000	\$1,000,000	\$1,000,000	\$1,000,000
	Federal - N	HS/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

GROUI	GROUPING Maintenance : Traffic and Safety Operations						
PROGRAM NOTE Funding identified to be obligated districtwide as projects are identified.							
ROUTE	E/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: Engineering								
ROUTE	E/STREET					TOTAL COST	\$9,340,000	
	FUND SOL	IRCE	MATCH	FY21	FY22	FY23	FY24	
			\$0	\$0	\$0	\$0		\$0

Appendix A

Projects by Grouping

New River Valley MPO

Construction: Bridge Rehabilitation/Replacement/Reconstruction

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Interstate	93074 Christiansburg	0081		\$34,014,401
	#SGR RTE 81	- APPROACHES AND BR OVER RT 8 ; ;	22513 AND 22515	
	FROM: 0.381 N	Mile South of Christiansburg SCL TO: 0.5	10 Mile North of Christiansburg SCL (0	0.8910 MI)
Miscellaneous	T19049 Salem District-	wide 0000		\$0
	BRIDGE REHA	ABILITATION/REPLACEMENT		

Construction: Bridge Rehabilitation/Replacement/Reconstruction Total

\$34,014,401

Construction: Rail

	Syst	em l	PC Jurisdiction /	Name / Description	Street(Route)	Estimate
Miscellaneous	T19041	Salem District-wi	Э	0000		\$0
		CN: RAIL				
Miscellaneous	112018	Statewide		HIGHWAY-RAIL SA	AFETY (0000)	\$700,000
		Highway-Rail Saf	ty Inventory Sect	tion 130 PE Only		
		FROM: Statewide	TO: Statewide			
Miscellaneous	112213	Statewide		HIGHWAY RAIL SA	AFETY (0000)	\$300,000
		Highway-Rail Sec	ion 130 Pre Scor	oing PE Only		
		FROM: Statewide	TO: Statewide			
Miscellaneous	112497	Statewide		VARIOUS (0000)		\$500,000
		ENVIRONMENT	EQ429 FORM	PROCESSING CHARGE	S	
		FROM: FOR HIG	WAY/RAIL SAFI	ETY PROJECTS WITHOU	UT PE NUMBERS TO: ASSIGNED	
Urban	105608	Christiansburg		CHRISMAN MILL R	RD (0000)	\$1,150,808
		Chrisman Mill Rd	Realign N Side o	of Road at Crossing		
		FROM: 1.1 Mi. N	of Silver Lake Ro	oad (SR 662) TO: 1.2 Mi. I	N. of Silver Lake Road (SR 662)	
Construction: Rail	Total		_			\$2,650,808

Construction: Safety/ITS/Operational Improvements

	Syst	em	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Interstate	116039	Statewide	0081		\$12,500,000
		I-81 DMS Ins	stallation		
		FROM: Vario	ous TO: Various		
Interstate	107802	Statewide	9999		\$918,907
		Incident Man	agement Emergency Evacuation and Detour Pla	ns	
		FROM: Vario	ous TO: Various		
Interstate	110551	Statewide	9999		\$362,560
		Traffic Video	Expansion - Statewide		
		FROM: Vario	ous TO: Various		
Interstate	110912	Statewide	9999		\$813,019
		Statewide Tr			
		FROM: Vario	ous TO: Various		

New River Valley MPO

Construction : Safety/ITS/Operational Improvements

	Syste	n UPC Jurisdiction / Name / Descript	on Street(Route)	Estimate
Interstate	111613	tatewide 9999		\$1,807,000
		tatewide Truck Parking Management System - Ph	ase 2	
		ROM: Various TO: Various		
Interstate	111892	tatewide 9999		\$0
		TMS - Phase 1, 2, 3, 4		
		ROM: Various TO: Various		
Interstate	114400	tatewide 9999		\$300,000
		rone Technology Project		
		ROM: Various TO: Various		
Interstate	115854	tatewide 9999		\$1,250,000
		TTF FY20 Arterial Operations Program Dashboard		
		ROM: n/a TO: n/a		
Interstate	115855	tatewide 9999		\$4,700,000
		TTF FY20 High Speed Communications		
		ROM: Various TO: Various		
Miscellaneous	T19045	alem District-wide 0000		\$0
		N: SAFETY/ITS/OPERATIONAL/IMPROVEMENT	S	
Miscellaneous	105481	tatewide 0000		\$1,400,000
		nplement iPeMS (Iteris Performance Measuremen		
		ystem) FROM: various TO: various		
Miscellaneous	114193	tatewide VARIOUS	(9999)	\$0
		EDESTRIAN IMPROVEMENTS AT PRIORITY CO		
		ROM: VARIOUS TO: VARIOUS		
Primary	108909	christiansburg US 460 EE	RAMP (0460)	\$1,751,751
		HB2.FY17 Route 460 at Franklin Street EB Ramp	Construction	
		ROM: US Route 460 Bypass Ramp TO: Franklin S	treet (Route 460 Business) (0.2680 MI)	
Secondary	106701	alem District-wide 9999		\$1,841,763
		IRRR - Safety Improvements		
		ROM: Int. Rte. 757 and Rte. 1535 TO: Int. Rte. 65	and Rte. 616	
Urban	104387	hristiansburg N. FRANK	IN / CAMBRIA (0460)	\$7,483,928
		HB2.FY17 Intersection Improv - N. Franklin St/Car	nbria St	
		ROM: 0.25 mi N of intersection with Cambria St (RIvd (0.7700 MI)	te. 111) TO: 0.02 mi N of intersection with Independen	nce
Urban	8746	hristiansburg PEPPERS	FERRY RD (0114)	\$24,633,676
		TE 114 - PEPPERS FERRY ROAD - WIDEN TO	LANES	
		ROM: ROUTE 460 TO: 0.789 Km East of WCL (1.	5309 KM)	
Construction: Safe	ty/ITS/Oper	ional Improvements Total		\$59,762,604

Construction: Transportation Enhancement/Byway/Non-Traditional

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Enhancement	113355 Blacksburg	MAIN STREET (0000)		\$780,250
	Main Street Pedestrian Improvements			
	FROM: Roanoke Street TO: Washington Street			

New River Valley MPO

Construction: Transportation Enhancement/Byway/Non-Traditional

	Syste	em UPC J	urisdiction / Name / Des	cription Street(Route)	Estimate
Enhancement	103637	Christiansburg	EAST	MAIN ST & FRANKLIN ST (0000)	\$1,808,017
		Christiansburg Downto	wn Streetscaping, Phase	e C503 (Ph1B)	
		FROM: Roanoke Stree	t TO: Franklin Street		
Enhancement	108360	Christiansburg	0000		\$1,200,431
		Huckleberry Trail - Pha	se 3		
		FROM: Future Peppers	Ferry Rd Connector TC	: Intersection of Gold Leaf Dr and Ind	dependence Blvd
Enhancement	113352	Christiansburg	ROAN	OKE STREET (0000)	\$958,226
		Roanoke Street Sidewa	alk at 460 By-Pass		
		FROM: 600 ft. east of F	Falling Branch Rd TO: H	ubble Drive on Roanoke Street	
Enhancement	104770	Montgomery County	HUCK	LEBERRY TRAIL (0000)	\$425,764
		Huckleberry Trail - Pha	se 2D		
		FROM: Providence Bo	ulevard TO: Food Lion S	hopping Plaza (0.5400 MI)	
Enhancement	103920	Blacksburg	EN01		\$20,501
		Virginia Tech, Hokie Bi	keways C505 fence		
Enhancement	94264	Montgomery County	EN09		\$314,453
		Huckleberry Trail Exter	nsion		
		FROM: Route 114 - Pe parking lot)	ppers Ferry Road (at Wa	al-Mart parking lot) TO: Farm View R	oad Extension (at Home Depot
Enhancement	111319	Blacksburg	BIKE F	PARKING AMENITIES (EN17)	\$160,885
		Town of Blacksburg - E	ike Parking		
		FROM: Various TO: Va	arious		
Enhancement	111314	Christiansburg	DEPO	T PARK TRAIL (EN17)	\$499,045
		Depot Park Trail Exten	sion		
		FROM: Mill Lane TO: [Depot Park		
Miscellaneous	T19040	Salem District-wide	0000		\$0
		CN: TRANSPORTATIO	ON ENHANCEMENT/BY	WAY/OTHER NON-TRADITIONAL	
Primary	105518	Christiansburg	FALLII	NG BRANCH PARK AND RIDE (999	9) \$4,665,302
		Relocation of Falling B	ranch Park and Ride.		
		FROM: Int. Route 460	Business and Hubbell Di	rive TO: 0.052 Mi. E. Alma Street Int.	with Hubbell Drive (0.1000 MI)
Urban	56407	Christiansburg	EN00		\$1,903,986
		TOWN OF CHRISTIAN	ISBURG - STREETSCA	PING AND PEDESTRIAN	
		SAFETY MEASURES	WITHING THE CENTRA	L BUSINESS DISTRICT	
Construction: Tran	sportation E	Enhancement/Byway/No	n-Traditional Total		\$12,736,860

Maintenance: Preventive Maintenance and System Preservation

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

New River Valley MPO

Maintenance: Preventive Maintenance for Bridges

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

Maintenance: Traffic and Safety Operations

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T14720 Salem Distr	ict-wide 0000		\$15,382,423
	STIP-MN S	alem: Traffic and Safety Operations		
Maintenance: Traf	fic and Safety Operation	s Total		\$15,382,423

Transit: Engineering

	System	UPC Jurisdic	tion / Name / Description	Street(Route)	Estimate
Miscellaneous	T19064 Salem	District-wide	0000		\$0
	CN: TR	ANSIT ENGINEERING	J		
Urban	70594 Christia	ansburg	114/460 CONNE	ECT. (0114)	\$9,340,000
	N. Fran	ıklin St - Rte114 - CON	NECTOR TO ROUTE 460		
Transit : Engineer	ing Total				\$9,340,000
New River Valley	MPO Total				\$265,221,390

	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20	21-2024	
STIP ID:	BBT0001	Title: Operating As		Recipient:	Blacksburg Trans	it		
FTA 5307	1,877	2,174	2,174 2,080	2,211	2,315	FTA 5307	8,874 8,780	Blacksburg Transi
CARES/CRRSAA/AR	6,122	0 4,827	0	0	C	CARES/CRRSAA /ARP	0 4 <u>,82</u> 7	Blacksburg Transit
State	2,344	2,732	2,732 3,141	3,339	3,497	State	12,300 12,709	Blacksburg Transit
Local	4,472	2,271	5,638 5,992	6,369	6,670	Local	20,948 21,302	Blacksburg Transit
Revenues	170	3,281 10,458	168 228 10,713	243	254	Revenues	3,946 4,006 46,069	Blacksburg Transit
Year Total: Description:	14,985	15,285	10,713 11,441 In funding, and adjusts	12,162 EV 21 and EV24 fun		Total Funds:	51,624	Blacksburg Transit
Description.	to multiple Capital		Turiding, and adjusts	1 1 21 41141 124 1411	Blacksburg	Tent # 5 moves A	iti runung	
STIP ID:	BBT0002	Title: Replacement	Rolling Stock	Recipient:	Transit			
Flexible STP	208	89 4	17,608	3,051	3,80 4	Flexible STP	25,565	Blacksburg Transit
Fed 5339	0	4,075	17,60 8 4,563	3,051	3,804	Fed 5339	28,538 15,493	Blacksburg Transit
FTA ARP			1,487			FTA ARP	1,487	Blacksburg Transit
VW Trust	0	2,527	3,347			VW Trust	5,874 2,527	Blacksburg Transit
State	41	1,048	6,262 2,201	381	476	State	8,167 4,106	Blacksburg Transit
Local	10	176	2,265 2,201	381	476	Local	3,298 3,234	Blacksburg Transit
Year Total:	259	7,826	17,924 22,010	3,813 3,814		Total Funds:	34,319 38,405	Blacksburg Transit
Description:	adjusts FY 21 fundir		4. Amendment # 2 wa oved funding from Flex totals.					
STIP ID:	BBT0010	Title: Eng. Design / Multi- Modal Trans	Construction	Recipient:	Blacksburg Transit			
Flexible STP		4,800				Flexible STP	4,800	Blacksburg Transit

FTA 5339					FTA 5339		
							Blacksburg Transit
FTA ARP					FTA ARP		
							Blacksburg Transit
	600					600	
State					State		Blacksburg Transit
	600					600	
Local					Local		Blacksburg Transit
	6,000					6,000	
Year Total:		-	-	-	Total Funds:		Blacksburg Transit
Description:	Amendment # 1 adds funding in FY21. 1	1/5/20. Carryover FY	18 funds stay in FY2	1 per DRPT (no future	e Flexible STP fur	nds are	
	anticipated). Amendment #3 added in FT	A 5339 and ARP line	s with no additional f	unding.			

	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-	2024	
STIP ID:	BBT0016	Title: Expansion Rol	lling Stock	Recipient:	Blacksburg Transit	_		
Flexible STP	112	0	0	1,731	1,363	Flexible STP	<mark>0</mark> 3,094	Blacksburg Transit
FTA 5339	22		9	1,731	1,363	FTA 5000	3,094 3,208	Blacksburg Transit
FTA ARP		0 114	U	<u> </u>	0	FTA 5339 FTA ARP		Blacksburg Transit
State	6	0 160	0	216	170	State	- 386 546	Blacksburg Transit
Local	-	0 12	0	216		Local	386 398	Blacksburg Transit
Year Total:	140	<mark>0 286</mark>	0	2,163 2,16 4	1,703 1,70 4	Total Funds:	3,866 4,152	Blacksburg Transit
		buses for FY22-FY24 FY24. Amendment #3				funding from Flexible	STP to	
escription:			3 FY21 funding remov			funding from Flexible	e STP to	
escription:	Fed 5339 for FY21-	FY24. Amendment #3	elters	ved - project delayed. Recipient:	Blacksburg Transit		19	Blacksburg Transit
ESCRIPTION: TIP ID: Flexible STP FTA 5339	BBT0017	FY24. Amendment #3	3 FY21 funding remove	/ed - project delayed	Blacksburg Transit	Flexible STP FTA 5339		
escription: TIP ID: Flexible STP	BBT0017	FY24. Amendment #3 Title: Passenger Shoon 0	elters 19 42	red - project delayed. Recipient:	Blacksburg Transit	Flexible STP	19 90 54	C
TIP ID: Flexible STP FTA 5339	BBT0017	FY24. Amendment #3 Title: Passenger Shoon 0	elters 19 42	red - project delayed. Recipient:	Blacksburg Transit	Flexible STP FTA 5339	19 90 54	Blacksburg Transit
TIP ID: Flexible STP FTA 5339 FTA ARP	BBT0017	FY24. Amendment #3 Title: Passenger Sh 0 6 25	elters 19 42 45 1 5	Recipient:	Blacksburg Transit	Flexible STP FTA 5339 FTA ARP	19 90 54 115 18 24 8 13	Blacksburg Transit Blacksburg Transit Blacksburg Transit
FIERIBLE STP FTA 5339 FTA ARP State	BBT0017 0 0 0	FY24. Amendment #3 Title: Passenger Shoon 0	elters 19 42 45 1 5 24 52	Recipient:	Blacksburg Transit 23 23 3 29	Flexible STP FTA 5339 FTA ARP State Local Total Funds:	19 90 54 115 18 24 8 13 99 152	Blacksburg Transit Blacksburg Transit Blacksburg Transit

	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-	2024	
STIP ID:	BBT0020	Title: ADP Hardware Replacement and E	e (Technology xpansion)	Recipient:	Blacksburg Transit			
Flexible STP	104	0	84	29	91	Flexible STP		Blacksburg Transit
FTA 5339		7	0 84	29	91	FTA 5339	127 211	Blacksburg Transit
FTA ARP			58			FTA ARP	58	Blacksburg Transit
Ctata	0.4	40	193		44	21.1	218	_
State	21	10	11 33	4	11	State	36 49	Blacksburg Transit
Local	5	1	11 284	4	11	Local	27	Blacksburg Transit
Year Total:	130	18	106 105	37	113 114	Total Funds:	452 27 4	Blacksburg Transit
Description:	Amendment # 2 add					RP funding and adjust		
1								
STIP ID:	BBT0021	Title: ADP Software		Recipient:	Blacksburg Transit			
STIP ID: Flexible STP	BBT0021	Software	400	480		Flexible STP	0	Blacksburg Transit
Flexible STP		Software	0	4 80 180	Transit 400		0 660 1,360	-
		Software 460	400 0 400 82	480	Transit	FIEXIBLE STP FTA 5339 FTA ARP	0 660 1,360 82	Blacksburg Transit
Flexible STP FTA 5339 FTA ARP	292	Software 160 80	0 400 82 274	480 180 480	400-400	FTA 5339 FTA ARP	496	Blacksburg Transit Blacksburg Transit
Flexible STP FTA 5339 FTA ARP State	292	Software	0 400 82 274 50 47	480 180 480	400- 400- 50	FTA 5339 FTA ARP State	496 272 165	Blacksburg Transit Blacksburg Transit Blacksburg Transit
Flexible STP FTA 5339 FTA ARP State Local	292 58 15	Software	0 400 82 274 50	480 180 480 60 60	Transit 400-400 50	FTA 5339 FTA ARP	1,360 82 496 272 165 168 1,403	Blacksburg Transit Blacksburg Transit Blacksburg Transit Blacksburg Transit
Flexible STP FTA 5339 FTA ARP State Local Year Total:	292 58 15 365	80 112 8	0 400 82 274 50 47 50 403 500	480 180 480 60 60 600	Transit 400-400 500 500 500	FTA 5339 FTA ARP State Local Total Funds:	1,360 82 496 272 165 1,403 1,800	Blacksburg Transit Blacksburg Transit Blacksburg Transit
Flexible STP FTA 5339 FTA ARP State Local	292 58 15 365	80 112 8	0 400 82 274 50 47 50 403 500	480 180 480 60 60 600	Transit 400-400 500 500 500	FTA 5339 FTA ARP State Local	1,360 82 496 272 165 1,403 1,800	Blacksburg Transit Blacksburg Transit Blacksburg Transit Blacksburg Transit
Flexible STP FTA 5339 FTA ARP State Local Year Total:	292 58 15 365	80 112 8	0 400 82 274 50 47 50 403 500	480 180 480 60 60 600	50 50 endment # 3 adds AR	FTA 5339 FTA ARP State Local Total Funds:	1,360 82 496 272 165 1,403 1,800	Blacksburg Transit Blacksburg Transit Blacksburg Transit Blacksburg Transit
Flexible STP FTA 5339 FTA ARP State Local Year Total:	292 58 15 365	80 112 8	0 400 82 274 50 47 50 403 500 and adjusts FY 21 fur	480 180 480 60 60 600	Transit 400-400 500 500 500	FTA 5339 FTA ARP State Local Total Funds:	1,360 82 496 272 165 1,403 1,800	Blacksburg Transit Blacksburg Transit Blacksburg Transit Blacksburg Transit
Flexible STP FTA 5339 FTA ARP State Local Year Total: Description:	58 15 365 Amendment # 2 add	Software 460 80 112 8 200 ds FTA 5339 funding a	0 400 82 274 50 47 50 403 500 and adjusts FY 21 fur	480 180 480 60 300 600 anding and totals. Ame	## Transit ### 400 ### 400 ### 50 ### 500 #	State Local Total Funds: P funding and adjust	1,360 82 496 272 165 1,403 1,800	Blacksburg Transit Blacksburg Transit Blacksburg Transit Blacksburg Transit

FTA ARP			18			FTA ARP	18	
								Blacksburg Transit
							98	
State	6		59				151	Blacksburg Transit
		16	38	23	C	State	83	
							49	
Local	1		10				67	Blacksburg Transit
		16	38	23	C	Local	78	
							416	
Year Total:	35	96	87				775	Blacksburg Transit
		160	382	233	0	Total Funds:	810	
Description:	Amendment # 2 add	ds FTA 5339 funding	and adjusts FY 21 fur	nding and totals. Ame	endment # 3 adds AF	RP funding and a	djust totals.	
·								

	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024	
STIP ID:	BBT0028	Title: Radios		Recipient:	Blacksburg Transi	t	
Flexible STP	7	12	14	9	- 10	Flexible STP	0 Blacksburg Transi
FTA 5339		6	<mark>0</mark> 44	9	10	FTA 5339	25 Blacksburg Transi
FTA ARP						FTA ARP	Blacksburg Transi
State	1	8	0	1	1	State	10 12 Blacksburg Transi
Local	-	1 15	0 <u>2</u>	1	1	Local	5 Blacksburg Transi
Year Total: Description:	8 Amendment # 2 add	14	18 and adiusts FY 21 fur	11		Total Funds: r unfunded FY22 project.	56 Blacksburg Transi
·		Ŭ	•	Ü	•	, ,	
STIP ID:	BBT0029	Title: Shop Equipme	ent	Recipient:	Blacksburg Transi	t	
Flexible STP	96	0	143	160	180	Flexible STP	0 Blacksburg Transi
FTA 5339 FTA ARP		25	143 38	160	180	FTA 5339 FTA ARP	508 Blacksburg Transi
24.4			128			2	Blacksburg Transi
State Local	19	36	18 22 18	20		State Local	97 Blacksburg Transi 68 64 Blacksburg Transi
Year Total:	120	64	188 179	200		Total Funds:	678 669 Blacksburg Transi
Description:	Amendment # 2 add	ds FTA 5339 funding	and adjusts FY 21 fur	nding and totals. Ame		P funding and adjust totals	
STIP ID:	BBT0035	Title:		Recipient:	Blacksburg Transi	t	
·							
							- Blacksburg Transi
							- Blacksburg Transi Blacksburg Transi

						State	-
						Local	-
Year Total:	_		-	-		Total Funds:	-
	Please recommend t	hat this project be de	leted. We do not exp	ect this project to have	e any more capital e	xpenditures.	

Blacksburg Transit
Blacksburg Transit
Blacksburg Transit

	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-2024	
STIP ID:	BBT0036	Title: NRV Bikeshare		Recipient:	Blacksburg Transi	<i>t</i>	
	BB10030	Title. NITV Dikesilale	=	Recipient.	Diacksburg Trails		
Flexible STP FTA 5339	0	0	0	0	0	Flexible STP FTA 5339	0 Blacksburg Transit
							Blacksburg Transit
FTA ARP						FTA ARP	Blacksburg Transit
						_	
State	16	20	0	0	0	State	Blacksburg Transit
Local	16	20	0	0	0	Local	Blacksburg Transit
Year Total:	32	40	0	0	0	Total Funds:	Blacksburg Transit
Description:	Amendment # 2 add	ds previous funding. A	mendment #3 added	in FTA 5339 and AF	RP lines with no addit	ional funding.	
STIP ID:	BBT0037	Title: Surveillance/Se	ecurity Equipment	Recipient:	Blacksburg Transi	t	
Flexible STP	77	0	0	0	0	Flexible STP	0 77 Blacksburg Transit
FTA 5339	.,	J	J	0	· ·	FTA 5339	
FTA ARP						FTA ARP	Blacksburg Transit
							Blacksburg Transit
State	15	0	0	0	0	State	Blacksburg Transit
Local	4	0	0	0	0	Local	5 Blacksburg Transit
Year Total:	96	0	0	0	0	Total Funds:	0 4 Blacksburg Transit
Description:		ed in FTA 5339 and A	RP lines with no add				Blackobarg Transit
STIP ID:	BBT0038	Title: Fare Automation	on System	Recipient:	Blacksburg Transi	t	
Flexible STP	24	0	0 160	0	0	Flexible STP 44	0 Blacksburg Transit
FTA 5339						FTA 5339	Blacksburg Transit
FTA ARP						FTA ARP	
			0				Blacksburg Transit
State	5	0	20	0	0	State	Blacksburg Transit
Local	1	O	0 20	0	0	Local	0 Blacksburg Transit

Year Total:	30	0	0 200	0	C	Total Funds:	0 200	Blacksburg Transit
Description:	Amendment # 2 adj	usts totals. Amendm	ent # 3 adjust for unfu	nded FY 22 project.				

	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021-20	024
STIP ID:	BBT0039	Title: Rehab/Renov	ation of Admin	Recipient:	Blacksburg Transi	t	
Flexible STP	144	-0	0	0	0	Flexible STP	0 Blacksburg Tra
FTA 5339						FTA 5339	Blacksburg Tra
FTA ARP		-				FTA ARP	Blacksburg Tra
State	29	0	0	0	0	State	0 Blacksburg Tra
Local	7	0	o	0	0	Local	0 Blacksburg Tra
Year Total:	180	0	0	0	0	Total Funds:	0 Blacksburg Tra
Description:	Amendment # 2 ren added FTA ARP line	noves all FY 21 fundine item (with no fundin	ng (construction is cong).	vered in BBT0040 an	id design is covered in	n BBT0041). Amendme	ent #3
STIP ID:	BBT0040	Title: Construction A	Admin./Maintenance	Recipient:	Blacksburg Transi	t	
Flexible STP		0	0	0	0	Flexible STP	Blacksburg Tra
Flexible STP FTA 5339		0	0	0	0	Flexible STP	0
		2,345	5,471 1,887	0	0	Flexible STP FTA ARP	7,816 Blacksburg Tra
FTA 5339			1,887	0	0	FTA ARP	7,816 1,887 Blacksburg Tra Blacksburg Tra Blacksburg Tra
FTA 5339		2,345 469	1,887	0	0		7,816 1,887 Blacksburg Tra Blacksburg Tra Blacksburg Tra 1,563
FTA 5339			1,887 1,094 274	0		FTA ARP	7,816 Blacksburg Tra Blacksburg Tra Blacksburg Tra 1,563 Blacksburg Tra 391
FTA 5339 FTA ARP State		469 117 2,931	1,887 1,094 274 8,726 6,839	0 0	0	FTA ARP State Local Total Funds:	7,816 Blacksburg Tra Blacksburg Tra Blacksburg Tra 1,563 Blacksburg Tra 1,563 Blacksburg Tra 391 11,657 9,770
FTA 5339 FTA ARP State Local		469 117 2,931 noves Flexible STP fu	1,887 1,094 274 8,726 6,839	0 0	0	FTA ARP State Local	7,816 Blacksburg Tra Blacksburg Tra Blacksburg Tra 1,563 Blacksburg Tra 1,563 Blacksburg Tra 391 11,657 9,770
FTA 5339 FTA ARP State Local Year Total: Description:	Amendment # 2 ren	469 117 2,931 noves Flexible STP fu	1,887 1,094 274 8,726 6,839 unding, adds FTA 533	0 0	0	FTA ARP State Local Total Funds:	7,816 Blacksburg Tra Blacksburg Tra Blacksburg Tra 1,563 Blacksburg Tra 1,563 Blacksburg Tra 391 11,657 9,770
FTA 5339 FTA ARP State Local Year Total:	Amendment # 2 ren adds ARP funding a	2,931 noves Flexible STP fuend adjusts totals. Title: A&E Admin/M	1,887 1,094 274 8,726 6,839 unding, adds FTA 533	0 0 0 9 funding and adjust	0 0 0 s FY 21 and FY22 fur	FTA ARP State Local Total Funds:	7,816 Blacksburg Tra Blacksburg Tra Blacksburg Tra 1,563 Blacksburg Tra 1,563 Blacksburg Tra 391 11,657 9,770

FTA ARP						FTA ARP		Blacksburg Transit
01-1-		0	0	0	C			Blacksburg Transit
State	80					State	0	
			0	0	C)		Blacksburg Transit
Local	20	0				Local	0	
			0	0	C		0	Blacksburg Transit
Year Total:	500	0				Total Funds:		
Description:	Amendment # 2 remo	oves FY 21 funding a	nd totals. Amendmen	t #3 added FTA ARP	line item (with no fu	nding).		

STIP ID:	BBT0042	Title: Other-Electric Charger	: Bus On-Route	Recipient:	Blacksburg Trans	it		
Flexible STP	152	0	580	0	0	Flexible STP	0	Blacksburg Transi
FTA 5339	240	29	587 580			FTA 5339	61 6 609	
VW Trust	0	263	1,719 0	0	0	VW Trust	1,982 263	Blacksburg Transi
FTA ARP			1,136			FTA ARP	1,136	Blacksburg Transi
State	78	6	490 73	0	0	State	496 79	Blacksburg Transi
Local	20	2	296 73	0	0	Local	298 75	
Year Total:	490	300	4,228 726	0	0	Total Funds:	4,528 1,026	Blacksburg Transi Blacksburg Transi
Description:	Amendment # 2 mo funding and adjusts	oves funds to BBT002, totals.	, adjusts previous fund	ling, FY 21 funding	and totals. Amendme	ent # 3 adds ARP a	and VWTrust	
	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20)21-2024	
STIP ID:	Previous Funding BBT0043	FY 2021 Title: Infrastructure:		FY 2023 Recipient:	FY 2024 Blacksburg Trans		021-2024	
		Title: Infrastructure:	: Bus Pull-Offs	Recipient:	Blacksburg Trans	it		Blacksburg Transi
Flexible STP		Title: Infrastructure:	Bus Pull-Offs	Recipient:	Blacksburg Trans	Flexible STP	0 163 223	
Flexible STP		Title: Infrastructure:	Bus Pull-Offs 60- 0 60-	Recipient:	Blacksburg Trans	Flexible STP	0 163 223 35	Blacksburg Transi
Flexible STP		Title: Infrastructure:	Bus Pull-Offs 60 0 60 15	Recipient:	Blacksburg Trans	Flexible STP	0 163 223 35 15	
Flexible STP		Title: Infrastructure:	Bus Pull-Offs 60 0 60 15 51 8	Recipient:	Blacksburg Trans	Flexible STP	0 163 223 35 15 116 73	Blacksburg Transi
FIEXIBLE STP FTA 5339 FTA ARP		Title: Infrastructure:	Bus Pull-Offs 60 0 60 15 51 8- 9 8-	Recipient: 64	Blacksburg Trans	Flexible STP FTA 5339 FTA ARP	0 163 223 35 15	Blacksburg Transi Blacksburg Transi
Flexible STP FTA 5339 FTA ARP State Local Year Total:	BBT0043	Title: Infrastructure: 0 35 49 3	Bus Pull-Offs 60 0 60 15 51 8 9 8- 75 76 75	Recipient: 64 64 8 8	Blacksburg Transi 64 64 8	FIEXIBLE STP FTA 5339 FTA ARP State Local Total Funds:	0 163 223 35 15 116 73 28 27	Blacksburg Transi Blacksburg Transi Blacksburg Transi Blacksburg Transi
FIEXIBLE STP FTA 5339 FTA ARP State Local	BBT0043	Title: Infrastructure: 0 35 49	Bus Pull-Offs 60 0 60 15 51 8 9 8- 75 76 75	Recipient: 64 64 8 8	Blacksburg Transi 64 64 8	FIEXIBLE STP FTA 5339 FTA ARP State Local Total Funds:	0 163 223 35 15 116 73 28 27	Blacksburg Transi Blacksburg Transi Blacksburg Transi

STIP ID:	BBT0044	Title: Other-Building Fixtures	g Facility Items and	Recipient:	Blacksburg Transi	t	
Flexible STP		0	0	0	0	Flexible STP	(
FTA 5339						FTA 5339	
FTA ARP						FTA ARP	
State		0	0	0	0	State	(
Local		0	0	0	0	Local	C
Year Total:		0	0	0	0	Total Funds:	C

Blacksburg Transit
Blacksburg Transit
Blacksburg Transit
Blacksburg Transit
Blacksburg Transit
Blacksburg Transit

STIP ID:	CRAD001	Title: Operating Assi	stance	Recipient:	City of Radford			
FTA 5307	503	513	521 523	534	545	FTA 5307	2,113 2,115	City of Radford
FTA 5311						FTA 5311	-	City of Radford
CARES/CRRSAA/AR P	1,622	1,283	1,255			CARES/CRRSA A/ARP	2,538 1,283	City of Radford
State	374	381	402 389	397	405	State	1,585 1,572	City of Radford
Local	695	734	758	781	805	Local	2,320 3,078	City of Radford
Revenues	30	37	37	37	37	Revenues	111 148	City of Radford
Year Total:	3,224 1,602	2,948 1,665	2,178 1,707	1,749	1,792	Total Funds:	8,667 8,196	City of Radford
Description:	Amendment # 2 adju	sts totals column & ad	ds ARP grant. Amer	ndment # 3 adds and	modifies funding in F	Y22 and the totals	S.	
STIP ID:	CRAD004	Title: Replacement R	Rolling Stock	Recipient:	City of Radford			
FTA 5339		408	432			FTA 5339	840	City of Radford
State		571	86			State	657	City of Radford

	Local	42	42	22		Local	54
Ye	ear Total:		1,021	540		Total Funds:	1,561
		Amendment # 2 adju	sts totals column; mo	ved previous funding	to FY21.		

City of Radford
City of Radford

	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2	2021-2024	
STIP ID:	CRAD005	Title: Purchase Sup	port Vehicles	Recipient:	City of Radford			
Flexible STP			8	28		Flexible STP	36	City of Radford
State			1	5		State	6	City of Radford
Local			1	1		Local	2	City of Radford
Year Total:	-		10	34		- Total Funds:	44	City of Radford
Description:	Hand Held Radio, I	Т					•	-
STIP ID:	CRAD006	Title: Engineering D Facility	esign Transit	Recipient:	City of Radford			
Flexible STP		480	-	9,600		Flexible STP	10,080	City of Radford
State		96	-	1,920		State	2,016	City of Radford
Local		24	-	480		Local	504	City of Radford
Year Total:	-	600	-	12,000		Total Funds:	12,600	City of Radford
Description:								
STIP ID:	CRAD007	Title: Purchase Rou	te Signage	Recipient:	City of Radford	1	ı	
Flexible STP						Flexible STP		City of Radford
State						State		City of Radford
Local						Local		City of Radford
Year Total:						Total Funds:		City of Radford
Description:								
STIP ID:	CRAD008	Title: Purchase Sho	p Equipment	Recipient:	City of Radford			
Flexible STP						Flexible STP		City of Radford
CARES/CRRSAA/A RP	20					CARES/CRRS AA/ARP	0	
State	_	_				State		City of Radford
Local					_	Local		City of Radford
Year Total:	20					Total Funds:	0	City of Radford
Description:	Adds previous funding	from CARES/CRRSA	A funding for 4-Post Li	ft Jacks for FY20. No e	effect on FY21-FY24	totals.		

	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2	021-2024	
STIP ID:	CRAD010	Title: Purchase Expan	sion Vehicles	Recipient:	City of Radford			
Flexible STP			-			Flexible STP	-	City of Radfor
State			-			State	-	City of Radfor
Local			-			Local	-	City of Radfor
	-	-	-	-	-	Total Funds:	-	City of Radford
Description:								
STIP ID:	CRAD012	Title: Purchase Spare	Parts	Recipient:	City of Radford			
Flexible STP			-			Flexible STP		City of Radford
State			-			State		City of Radford
Local			-			Local		City of Radford
rour rotur.	-	-	-		-	Total Funds:		City of Radford
Description:								
STIP ID:	NRVC001	Title: Paratransit Vehicles		Recipient:	New River Valley	Community S	ervices	
FTA 5310		192 184	138	242	138	FTA 5310	710 702	New River Va CC
State		-	-	-	-	State	-	New River Val
Local		48 46	34	61	34	Local	177 175	New River Val CC
Year Total:	-	240 230	172	303	172	Total Funds:	887 877	New River Val

		Title: CADD Hardware &				
STIP ID:	NRVC002	Software		Recipient:	New River Valley Community S	Services
FTA 5310					FTA 5310	
State					State	
Local					Local	
					Total	
Year Total:	-				Funds:	
Description:	Amendment # 1 -	Remove FY21 funding o	f \$96K (remove FTA	5310 \$77K, local \$	\$19K). Project not approved by DR	PT.

Blacksburg Transit	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 202	1-2024
FTA 5307	1,877	2,174	2,174 2,080	2,211	2,315	FTA 5307	8,874 8,778
FTA 5309	-	-	-	-	-	FTA 5309	-
FTA 5310	-	-	-	-	-	FTA 5310	-
FTA 5311	-	-	-	-	-	FTA 5311	-
FTA 5314	-	-	-	-	-	FTA 5314	-
FTA 5337	-	-	-	-	-	FTA 5337	-
FTA 5339	262	6,672 5,891	10,621 5,471 -	5,436 -	5,935 -	FTA 5339	28,664 11,362 -
FTA ARP	0	0	4,721	0	0	FTA ARP	4,721
FTA ADTAP	-	-	-	-	-	FTA ADTAP	-
FTA DPF	-	-	-	-	-	FTA DPF	-
FTA TIGER	-	-	-	-	-	FTA TIGER	-
FBD	-	-	-	-	-	FBD	-
Flexible STP	1,644	4,800 4,819	1 <mark>9</mark> 19,397	0 5,736	0 5,935	Flexible STP	4,819 35,887
CMAQ	-	-	-	-	-	CMAQ	-
RSTP	-	-	-	-	-	RSTP	-
FHWA TAP	-	-	-	-	-	FHWA TAP	-
TIFIA	-	-	-	-	-	TIFIA	-
CARES/CRRSAA/ ARP	6,122	<mark>0</mark> 107	-	-	-	CARES/CRRSAA/ ARP	6 <u>,229</u>
VW Trust		2,790	5,066			VW Trust	7,856 2,79 0
State	2,719 375	5,114 2,621	11,287 3,520	4,055 716	4,239 742	State	24,695 7,599
Local	4,576 104	3,219 951	8,595 2,700	7,085 716	7,412 742	Local	26,311 5,109
Revenues	170	3,281	168 228	243	25 4	Revenues	3,946 4,006

17,370	28,050	42,652	19,030	20,155	109,887
4,432	22,527	33,396	9,622	9,988	75,533

City of Radford	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 202	1-2024
FTA 5307	503	513	521 523	534	545	FTA 5307	2,113 2,115
FTA 5309	-	-	-	-	-	FTA 5309	-
FTA 5310	-	-	-	-	-	FTA 5310	-
FTA 5311	-	-	-	-	-	FTA 5311	-
FTA 5314	-	-	-	-	-	FTA 5314	-
FTA 5337	-	-	-	-	-	FTA 5337	-
FTA 5339		408	432	-	-	FTA 5339	840
FTA ARP						FTA ARP	
FTA ADTAP	-	-	-	-	-	FTA ADTAP	-
FTA DPF	-	-	-	-	-	FTA DPF	-
FTA TIGER	-	-	-	-	-	FTA TIGER	-
FBD	-	-	-	-	-	FBD	-
Flexible STP	-	480	8	9,628		Flexible STP	10,116
CMAQ	-	-	-	-	-	CMAQ	-
RSTP	-	-	-	-	-	RSTP	-
FHWA TAP	-	-	-	-	-	FHWA TAP	-
TIFIA	-	-	-	-	-	TIFIA	-
CARES/CRRSAA/ ARP	1,642	1,283	1,255	-	-	CARES/CRRSAA /ARP	2,538 1,283
State	374	1,048	489 476	2,322	405	State	4,264 4,251
Local	695	800	0 781	1,262	805	Local	2,867 3,648
Revenues	30	37	<mark>0 37</mark>	37	37	Revenues	111 148

Totals	3,244	4,569	2,705 2,257	13,783	1,792	Totals	22,849 22,872
						,	22,401

New River Valley Community Services	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 20	21-2024
FTA 5307	-	-	-	-	-	FTA 5307	-
FTA 5309	-	-	-	-	-	FTA 5309	-
FTA 5310	-	192 184	138	242	138	FTA 5310	710 702
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	-
CMAQ	-	-	-	-	-	CMAQ	-
RSTP	-	-	-	-	-	RSTP	-
FHWA TAP	-	-	-	-	-	FHWA TAP	-
TIFIA	-	-	-	-	-	TIFIA	-
Other Federal	-		-	-	-	Other Federal	-
State	-	-	-	-	-	State	-
Local	-	48 46	34	61	34	Local	177 175
Revenues	-	-	-	-	-	Revenues	_
Totals	-	240 230	172	303	172		887 877

New River Valley MPO	Previous Funding	FY 2021	FY 2022	FY 2023	FY 2024	Total FY 2021	-2024
FTA 5307		2,687	2,695 2,603	2,745	2,860	FTA 5307	10,987 10,895
FTA 5309	_	-	-	_	-	FTA 5309	-
FTA 5310	-	192 484	138	242	138	FTA 5310	710 702
FTA 5311	-	-	-		-	FTA 5311	-
FTA 5314	_	-	_	-	-	FTA 5314	-
FTA 5337	_	-	-	-	-	FTA 5337	-
FTA 5339	262	7,080 7,213	11,053 25,140	5,436 5,736	5,935		29,504 44,024
FTA ADTAP	-	-	-	-	-	FTA ADTAP	-
FTA DPF	-	-	_	-	-	FTA DPF	-
FTA TIGER		-	_	-	-	FTA TIGER	-
FBD		-	_	-	-	FBD	-
Flexible STP	1,644	5,280	27 168	9,628	0		14,935 15,076
CMAQ	-	-	-	-	-	CMAQ	-
RSTP	-	-	-	-	-	RSTP	-
FHWA TAP	-	-	-	-	-	FHWA TAP	-
TIFIA	_	-	_		-	TIFIA	-
CARES/CRRSAA/ ARP	7,764	1,283 6,110	1,255	-	-	CARES/CRRSAA /ARP	2,538 6,110
VW Trust	0	2,790	5,066			VW Trust	7,856 2,790
State	3,093	6,162 6,401	11,776 7,137	6,377	4,644	State	28,959 24,559
Local	5,271	4,067 4,068	8,629 9,507	8,408	8,251	Local	29,355 30,234
Revenues	200	3,318	168 265	280		Revenues	4,057 4,154

		32,859	45,529	33,116		133,623
Totals	20,614	38,051	4 4,958	33,416	22,119	138,544

AIRPORT

The Virginia Tech Montgomery Executive Airport (VTMEA), in Blacksburg, accommodates business and personal travel via private charter and corporate aircraft. The Federal Aviation Administration classifies it as a general aviation airport. The Virginia Tech-Montgomery Airport Authority operates the airport and is made up of representatives from Montgomery County, the Towns of Blacksburg and Christiansburg, and Virginia Tech.

Operating two runways, each 5,500 feet long and 100 feet wide, with instrument approach available on both ends (13 and 31), the airport is located approximately 1 mile from the academic region of Virginia Tech's campus, two miles from downtown Blacksburg, and four miles from Christiansburg. The Airport Capital Improvement Plan (CIP) is below.

Table 18: Airport CIP

VTMEA Airport CIP	2020	2021	2022	2023	2024	2025
Extend Runway, Land Acquisition Phase II	\$1,150,000	-	-	-	-	-
Extend Runway, Land Acquisition, Phase III	-	\$2,822,380	-	-	-	-
Extend Runway, Land Acquisition, Phase IV	-	-	\$1,212,866	-	-	-
Extend Runway, Land Acquisition, Phase V	-	-	-	\$2,163,418	-	-
Rehabilitate Apron, Design	-	-	-	\$180,000	-	-
Rehabilitate Apron, Construction	-	-	-	-	\$1,620,000	-
Airport Master Plan Update	-	-	-	-	\$150,000	-
Expand Apron, Design	-	-	-	-	-	\$118,750
CIP Totals:	\$1,150,000	\$2,822,380	\$1,212,866	\$2,343,418	\$1,770,000	\$118,750