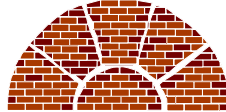


DRAFT Transportation Improvement Program Fiscal Year 2024 - 2027

Charlottesville Albemarle Metropolitan Planning Organization

Public Hearing: 05 / 24 / 2023

Approved: / / 2023



City of Charlottesville
Virginia Department of Transportation
US Department of Federal Highway Administration

Albemarle County
Department of Rail and Public Transportation
Federal Transit Administration

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TIP Activity

Approved by the MPO Policy Board on / / 2023

Amendments

Amendment #	Date	Notes
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Adjustments

Adjustment #	Date	Notes
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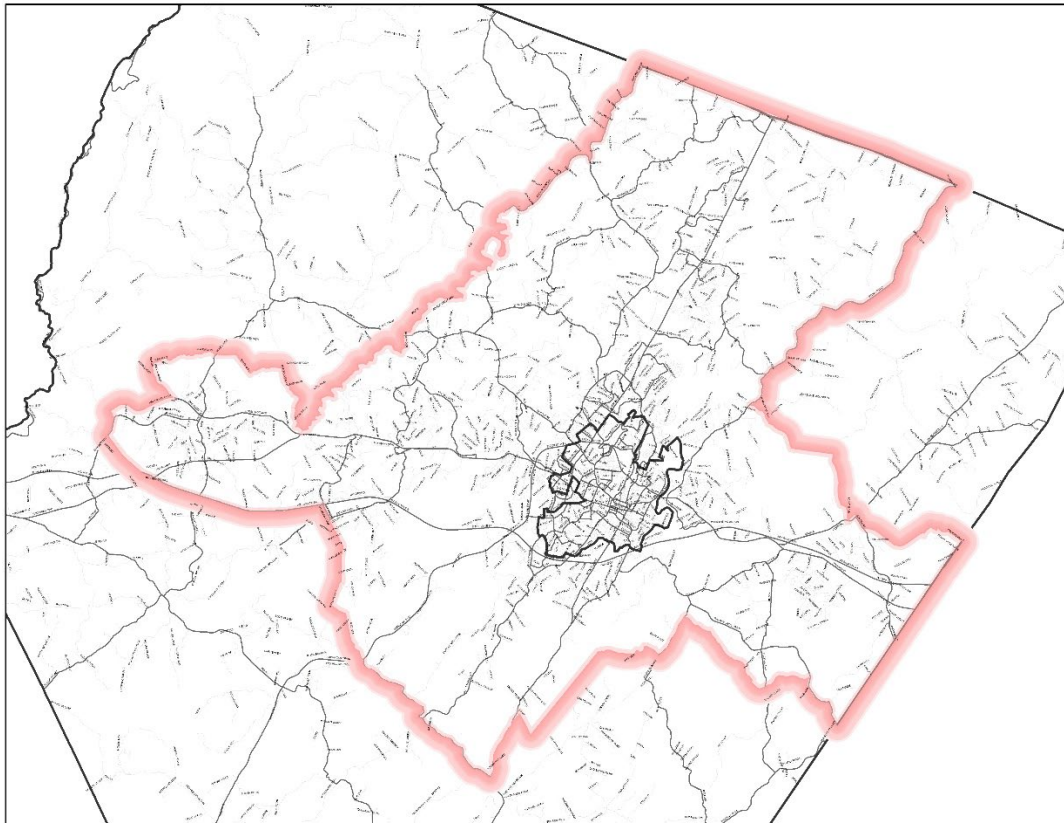
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Purpose of this Document

The Charlottesville-Albemarle Transportation Improvement Program (TIP) is a document used to schedule spending of federal transportation funds within the metropolitan region in coordination with significant state and local funds for the federal fiscal years 2024 through 2027. It also demonstrates how these projects comply with federal planning regulations. The TIP is a product of the Charlottesville-Albemarle Metropolitan Planning Organization (MPO) in compliance with federal requirements.

Introduction to the Charlottesville/Albemarle Metropolitan Planning Organization (MPO)

The Charlottesville-Albemarle Metropolitan Planning Organization is the forum for continued, cooperative and comprehensive transportation decision-making among Charlottesville, Albemarle, state, and federal officials. Federal law (23 CFR Part 450) requires urbanized areas in the United States with populations greater than 50,000 persons to establish an MPO to coordinate transportation planning. The boundary of the Charlottesville-Albemarle MPO includes the City of Charlottesville and the adjacent urbanized areas of Albemarle County (the rural areas of Albemarle County are outside the MPO boundary, as is illustrated on the map below).



The MPO considers long-range regional projects and combines public input, technical data, and agency collaboration to develop forward-thinking solutions to transportation related challenges.

The MPO is responsible for carrying out a continuous, cooperative, and comprehensive transportation planning process. This process includes reviewing transportation projects and preparing studies and plans.

The Charlottesville-Albemarle MPO is governed by the MPO Policy Board and staffed by the Thomas Jefferson Planning District Commission (TJPDC). MPO Policy Board membership consists of 13 representatives from the following organizations:

- | | |
|---|---|
| Voting Member Organizations (5) | (2) Albemarle County Board of Supervisors
(2) Charlottesville City Council
(1) Va. Dept. of Transportation (VDOT) |
| Nonvoting Member Organizations (8) | Charlottesville Area Transit (CAT)
Citizens Transportation Advisory Committee (CTAC)
Federal Transit Administration (FTA)
Federal Highway Administration (FHWA)
Jaunt
Thomas Jefferson Planning District Commission (TJPDC)
UVA Office of the Architect
Va. Dept. of Rail and Public Transportation (DRPT) |

Two committees support the MPO Policy Board: The MPO Technical Committee and a Citizens Transportation Advisory Committee (CTAC).

The MPO Technical Committee includes representatives from the following organizations:

- | | |
|--|---|
| <ul style="list-style-type: none">• City of Charlottesville• Albemarle County• University of Virginia• Virginia Department of Transportation (VDOT)• Department of Rail and Public Transportation (VRPT) | <ul style="list-style-type: none">• Charlottesville Area Transit• Jaunt• Federal Transit Administration (FTA)• Federal Highway Administration (FHWA)• Federal Aviation Administration (FAA) |
|--|---|

The Citizens Transportation Advisory Committee (CTAC) includes 13 citizen representatives. Albemarle County and the City of Charlottesville each appoint five members, and the MPO Policy Board appoints three members.

Introduction to Transportation Improvement Program (TIP)

What is a TIP?

The Charlottesville-Albemarle MPO Transportation Improvement Program (TIP) is a prioritized listing/program of transportation projects covering a period of four years that is developed and

formally adopted by an MPO as part of the metropolitan transportation planning process, consistent with the metropolitan transportation plan, and required for projects to be eligible for funding under title 23 U.S.C. and title 49 U.S.C. Chapter 53. It represents projects from the most recently adopted Long Range Transportation Plan, the 2045 LRTP. The fiscal year for the FY2024-2027 TIP begins on October 1, 2022 and is applicable until September 30, 2026. The Federal Highway Administration (FHWA) is a primary sponsor for many of the highway projects listed in the TIP.

Activities listed for Charlottesville Area Transit (CAT) and Jaunt are projects and programs expected to obligate federal funds over the coming four-year period. The primary sponsor of funding for these activities is the Federal Transit Administration (FTA).

The Purpose of the TIP

The TIP:

- Prioritizes transportation projects expected to be implemented during a four-year period, and describes the schedule for obligating federal funds.
- Contains a financial plan for all modes of transportation including roadways and transit capital and operating costs.
- Serves as a tool for monitoring progress in implementing the MPO's long range transportation plan.
- Is incorporated into the State Transportation Improvement Program (STIP), for its submission to FHWA, FTA, and the Environmental Protection Agency (EPA) for approval.
- Includes state and locally funded regionally significant transportation projects to provide a comprehensive view of transportation projects in the Charlottesville-Albemarle area.
- Includes regionally significant unfunded, visioning transportation projects that are significant to the region's transportation network improvement strategies.

Selecting Projects for the TIP

The FHWA tracks all federally funded projects in the Statewide Transportation Improvement Program (STIP), which incorporates each MPO TIP by reference, in total and without change. The STIP includes all transportation projects in the state of Virginia that are scheduled to receive federal funding over a four-year interval and must first be included in the Six Year Improvement Program (SYIP), developed by VDOT, in cooperation with local governments.

The SYIP is updated biennially and includes a listing of projects, their descriptions, funding sources, and cost estimates. The Commonwealth Transportation Board (CTB) approves the SYIP for the upcoming six-year period by June 30 of every other year.

All projects which appear in the SYIP and require federal approval are included in the TIP; state and locally funded projects are not included in the TIP, unless deemed regionally significant. The schedule and cost estimate for each phase of a project, as well as phase allocation and obligation information per project, can be found in the currently adopted VDOT SYIP, and is available at <http://www.virginiadot.org/projects/syp-default.asp>. Some projects in the TIP are not shown as individual projects. Rather, they are grouped together and shown as a single line item in the TIP. This single line-item represents a grouping of projects with similar funding categories, and displays a cumulative sum of obligations rather than obligations per project.

Transportation Goals and Priorities

The Charlottesville-Albemarle MPO has long-standing transportation goals and priorities that are defined in the regional long-range transportation plan. As required under federal regulations, the long range transportation plan is a listing of the most important projects for the MPO area over the next 20 years. Due to budget constraints, the 2045 LRTP focuses on a practical set of improvements that maximizes the effectiveness of existing transportation investments.

Primary Goal and Major Factors

The overarching regional transportation system goal is to create a balanced, multimodal transportation network, by 1) improving connections throughout the region; 2) improving mobility within neighborhoods, towns, and counties; and 3) making transportation choices that help foster livable communities. Several major objectives have been identified to help the MPO achieve these goals:

- Completion of a well-connected multi-modal networks with better connections within and between neighborhoods.
- Re-engineered intersection and corridor design to improve operational efficiency and safety.
- Fast, frequent, dependable transit service with seamless connections throughout the region.
- Well-executed design details for pedestrian-friendly streets, bike lanes and trails, transit stops, safer intersections, and pedestrian crossings.

All of these elements will also help complete the transit “customer delivery system” needed for efficient, cost-effective transit operations. By building new critical facilities and re-engineering existing roadways, overall system operations and safety will be improved.

The regional dynamics of interconnected roadway networks; coordinated transit systems such as Jaunt, CAT, UTS, and Park and Ride lots; varied commuting patterns; and regional destinations for shopping and recreation point to the need for a coordinated, multi-modal regional transportation plan. This plan must be effectively implemented if the region is to continue to flourish and grow in keeping with the quality of life we currently enjoy. Because the majority of local roadway construction is actually funded privately by developers building new subdivision streets, significant progress can be made through better planning and project coordination. By encouraging more interconnections between new developments, coupled with lower-speed and safer roadway design, a major portion of the roadway network can be completed with private funds. With careful planning, public funding can be maximized by “connecting the dots” between developments.

Specific Emphasis

A better-connected multi-modal network will help relieve traffic congestion along heavily used corridors, and reduce congestion at major bottlenecks and intersections. These systems will also provide for many safety improvements to the overall transportation network, allowing

people to access nearby destinations on smaller-scale, pedestrian-, bike-, and transit-friendly roadways.

While a major focus is expedited project implementation, several new roadways and improvement projects are completed or underway to provide better multi-modal connections and through movements. Some roadways require minor and/or spot improvements, widening, realignments, widened shoulders, or expanded lanes. These projects will improve safety and capacity.

To provide residents and businesses with safe, efficient and truly usable transportation options, the MPO Long Range Plan includes significant emphasis on bike, pedestrian and transit projects. Strategies include a focus on improvements around existing villages, coupled with better connections between neighborhoods, schools, and town centers. Other improvements for pedestrian safety can be made that do not require capital funding and include enhanced enforcement of safety laws.

Getting Involved in the MPO and the TIP Development

MPO Area Meetings

All meetings for the MPO Policy Board and the two other MPO committees are open to the public. Time is reserved at the start and finish of each meeting for comment from members of the public. All meetings are held at the TJPDC Office's Water Street Center, 407 E. Water St., Charlottesville, VA 22902. For more information about the MPO and its committees, please visit <http://campo.tjpd.org/>.

TIP Development

The MPO encourages public involvement in the TIP process. Time is also allotted for public comment concerning the SYIP at the Spring public hearings and the Fall public meetings. For more information about MPO Public Hearings, please visit <http://campo.tjpd.org/committees/>.

For more information about the CTB, please visit <http://www.ctb.virginia.gov/> For more information about the Six Year Improvement Program (SYIP), please visit https://www.virginiadot.org/projects/syip/virginia's_transportation_funding.asp.

Performance Based Planning and Programming

Performance Based Planning and Programming requirements for transportation planning are laid out in the Moving Ahead for Progress in the 21st century (MAP-21), enacted in 2012 and reinforced in the 2015 FAST Act, which calls for states and MPOs to adopt performance measures. Each MPO adopts a set of performance measures, in coordination with the Virginia Department of Transportation (VDOT) and the Virginia Department of Rail and Public Transit (DRPT), and these measures are used to help in the prioritization of TIP and Long-Range Transportation Plan projects.

Rollout of performance measures is ongoing. The MPO has been coordinating with VDOT and DRPT to adopt performance measures and targets as they become available. Once the initial

performance measures and targets are adopted, the MPO will continue to monitor and report progress at required intervals set forth in State and Federal guidance. To date the MPO has formally adopted the following adjusted performance measures and targets.

VDOT Adopted Measures

1. Safety Performance Measures

In accordance with the requirements of MAP-21 and the FAST Act, Virginia has established safety performance objectives as published in [Virginia’s 2017 - 2021 Strategic Highway Safety Plan \(SHSP\)](#) 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. In Fiscal Year 2021, the performance measures were updated by CA-MPO to match the state’s performance measures as illustrated in Table 2.

There are five measures that make up the safety category. These measures include the number of fatalities, fatality rate, the number of serious injuries, serious injury rate, and the number of crashes involving bike/ped. The MPO has adopted the state-wide Safety Targets for the five measures. For safety performance measures 1, 2, and 3, annual targets were developed collaboratively by the MPO, Department of Motor Vehicles (DMV) Highway Safety Office (HSO) and VDOT HSIP staff. The DMV HSO also 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, The MPO has adopted the Statewide targets for 2022 and adopted regionally-specific targets in 2023 as shown in the tables listed below. The MPO will assess and update these targets annually.

Table 1: 2022 SHSP Safety Performance Objectives

Performance Measure	Five-year average annual reduction
Number of Fatalities	9
Rate of Fatalities per 100 Million Vehicle Miles Traveled	0.939
Number of Serious Injuries	127
Rate Serious Injury Million Miles Vehicle Miles Traveled	13.295
Number of Non-Motorized Fatalities & Serious Injuries	14

Table 2: 2023 SHSP Safety Performance Objectives

Performance Measure	Five-year average annual reduction
Number of Fatalities	9
Rate of Fatalities per 100 Million Vehicle Miles Traveled	0.76
Number of Serious Injuries	108
Rate Serious Injury Million Miles Vehicle Miles Traveled	9.204
Number of Non-Motorized Fatalities & Serious Injuries	13

2. Pavement and Bridge Condition (PM2)

There are three measures that make up the pavement and bridge condition category. These measures include; the percentage of pavement in good condition (interstate), percentage of pavement in poor condition (interstate), percentage of pavement in good condition (non-interstate National Highway System), percentage of pavement in poor condition (non-interstate National Highway System), percentage of deck area of bridges in good condition (National Highway System), and the percentage of deck area of bridges in poor condition (National Highway System).

The MPO has reviewed the state targets and the predicted trends for the MPO area and adopted the state targets for Fiscal Year 2023 (table 4).

Table 4: PM2 Targets for MPO and Virginia in 2023

Performance Measure	Scope	MPO 2021 Baseline	Adopted 4-Year Target
% Pavement in Good Condition	Interstate	73.50%	45%
% Pavement in Poor Condition	Interstate	0%	3%
% Pavement in Good Condition	NHS (non Interstate)	28.70%	25%
% Pavement in Poor Condition	NHS (non Interstate)	0.10%	5%
% of Bridge Deck Area in Good Condition	NHS (All)	10.80%	25.1%
% of Bridge Deck Area in Poor Condition	NHS (All)	7.80%	3.6%

3. System Performance (PM3)

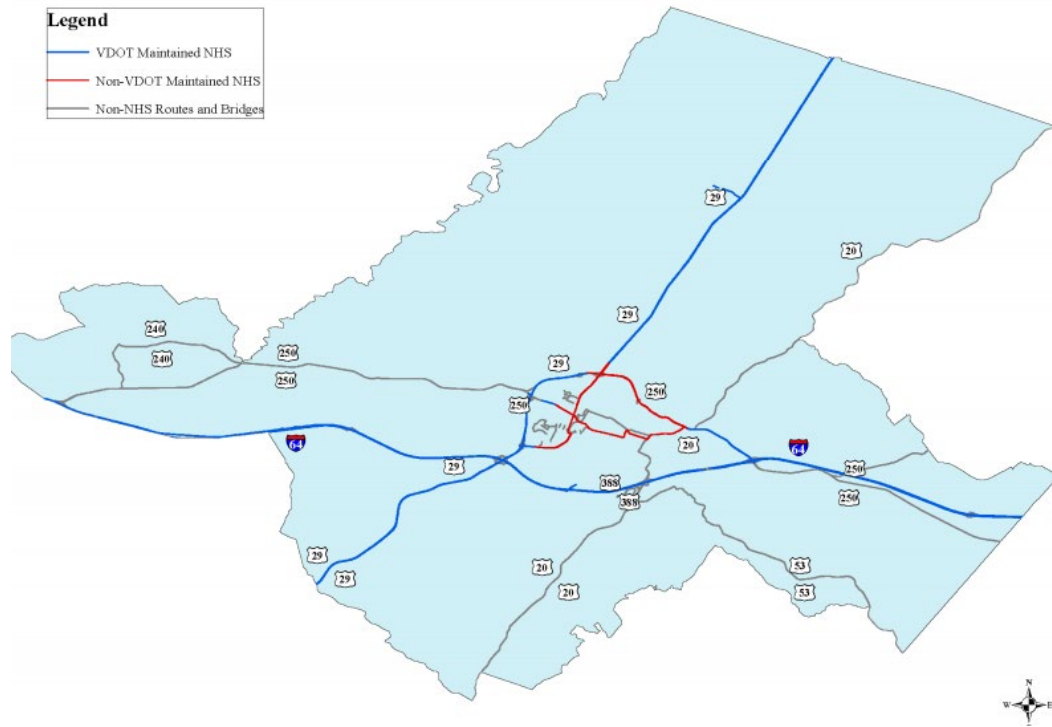
There are three measures that apply to the MPO in the System Performance category. These measures include; the percentage of person-miles traveled that are reliable (Interstates), Percentage of person-miles traveled that are reliable (National Highway System non-interstates), and truck travel times reliability index (Interstates).

The MPO has reviewed the state targets and the predicted trends for the MPO area and adopted the state targets for Fiscal Year 2021 (table 5).

Table 5: Proposed PM3 Targets for MPO and Virginia

Performance Measure	Scope	MPO 2021 Baseline	Adopted 4-year Targets
% Person-miles traveled that are reliable	Interstate	100%	85%
% Person-miles traveled that are reliable	NHS (Non Interstate)	90.70%	88.00%
Truck travel time reliability index	NHS (All)	1.15	1.64

CA-MPO Interstates and National Highway System Roadways



DRPT Adopted Measures

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.
- 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 **Tier II** The Department of Rail and Public Transportation (DRPT) is the sponsor for the Statewide Tier II Group PTASP Plan.

The Charlottesville Albemarle Metropolitan Planning Organization (CA-MPO) programs federal transportation funds for Charlottesville Area Transit (CAT) and Jaunt. Charlottesville Area Transit and Jaunt are both Tier II agencies participating in the DRPT sponsored group PTASP Plan.

The CA-MPO has adopted the Tier II PTASP into its TIP by reference and integrated the goals measures and targets described in the 2022 Commonwealth of Virginia Tier II Group Transit Asset Management Plan, October 1, 2022 into the MPO's planning and programming process. Specific targets for the Tier II Group PTASP Plan are displayed in the tables below. CAT contracts with Jaunt to provide paratransit service for its fixed routes. Table 6 contains CAT's fixed route service and the paratransit numbers are for Jaunt's paratransit service provided to CAT. Table 7 is for fixed route commuter service provided by Jaunt like the Buckingham route and the 29 express.

Table 6: Charlottesville Area Transit PTASP Performance Targets by Mode:

Performance Measures	Targets by Mode	
	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 vehicle revenue miles by mode)	Less than .5 injuries per 100,000 vehicle revenue miles	Less than .5 injuries per 100,000 vehicle revenue miles
Safety events (total number of safety events per year)	10	1
Safety events (rate per total vehicle revenue miles by mode)	Less than 1 reportable event per 100,000 vehicle revenue miles	Less than 1 reportable event 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

Table 7: Jaunt PTASP Performance Targets by Mode:

Performance Measures	Targets by Mode	
	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)	9	0
Injuries (rate per total vehicle revenue miles by mode)	Less than .5 injuries per 100,000 vehicle revenue miles	Less than .5 injuries per 100,000 vehicle revenue miles
Safety events (total number of safety events per year)	17	0
Safety events (rate per total vehicle revenue miles by mode)	Less than 1 reportable event per 100,000 vehicle revenue miles	Less than 1 reportable event 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

Additional information and guidance on the Public Transportation Agency Safety Plan (PTASP) is available on FTAs Public Transportation Safety Plan webpage: <https://www.transit.dot.gov/PTASP> and in the PTASP final rule factsheet:

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

Performance Based Planning and Programming in the TIP and LRTP:

As Performance Based Planning and Programming requirements are rolled out and targets are set, projects in the TIP have been assessed to connect project scopes, as identified in the TIP, to goals in the MPO Long Range Transportation Plan (LRTP 2045). The LRTP 2045 plan was developed with MAP-21 guidance and includes performance measures aligned with MAP-21. [These goals are set out in Chapter 4 of the 2045 Long Range Transportation Plan](#), and listed below.

L RTP 2045 Goals:

1. ACCESSIBILITY & MOBILITY- Improve inter and intra-regional access and mobility for all users (people, goods, and services) by integrating various modes of transportation in an effort to improve connectivity and coordination among stakeholders.
2. ECONOMIC DEVELOPMENT & LAND USE- Support the region's economic competitiveness by ensuring the integration of transportation and land use decisions in the planning process to enhance efficiency across all modes of transportation.
3. OPERATIONS & MAINTENANCE- Encourage and promote the cost-effective operations and maintenance of the regional transportation network that delivers optimal performance for all users.
4. SAFETY- Improve the geometric conditions and physical characteristics of the transportation network to reduce fatalities and serious injuries.
5. CONGESTION- Where appropriate, improve roadway design to reduce congestion for vehicles, freight, and transit.
6. ENVIRONMENT & COMMUNITY- Promote sustainable transportation improvements that avoid impacts on the environment and ensure nondiscriminatory planning in our region.

TIP linkage to adopted measures:

New TIP and L RTP projects are reviewed for their linkages to safety needs using the following steps:

- Safety deficiencies are identified by analyzing crash data provided by VDOT as part of the Highway Safety Improvement Program.
- Proposed projects are reviewed for their impact on safety using crash modification factors based on project design.

Resource Documents:

1	2045 Long Range Transportation Plan	http://campo.tjpc.org/process-documents/lrtp/
2	Albemarle County Places29 Master Planning Process	http://www.albemarle.org/department.asp?department=cdd&relpage=3735
3	29H250 Phase II Report	http://campo.tjpc.org/reports-and-documents/us-29-hydraulic-250-bypass-intersections-study/
4	Eastern Planning Initiative	http://campo.tjpc.org/eastern-planning-initiative/
5	Hillsdale Drive	http://www.hillsdaledrive.org/
6	TJPC Transportation	http://tjpc.org/transportation-planning/
7	Environmental Review Reports	Copies are available in both the central Richmond Office and each District Office. They are sent to local residencies within 30 days of any public hearing about the project to which they relate. For additional information on Environmental Review for TIP projects, contact Rick Crofford (VDOT, Culpeper District Assistant Environmental Manager).

TIP User's Guide: Understanding the TIP Format

Project information appears for each project that currently receives federal funding through the Six-Year Improvement Program. The information for each of these projects appears in the chart format shown below and is provided to the MPO by VDOT. Terms are listed consistently in the grey boxes, while project-specific details are listed in the white boxes to the right of, or below, each term. Definitions for the numbered terms appear in the corresponding Glossary of Terms table. Project information will appear in the TIP if funding is necessary for miscellaneous follow-up costs (e.g. utility relocation, miscellaneous bill payment, etc.). Projects must be removed from the Six Year Program in order to be removed from the TIP.

1	UPC NO	77273	2	SCOPE	BRIDGE REPLACEMENT	5	OVERSIGHT	NFO	7
3	SYSTEM	Secondary	4	JURISDICTION	Albemarle County	6	ADMIN BY	VDOT	10
6	PROJECT	RTE 743 - BRIDGE & APPROACHES OVER NORTH FORK RIVANNA			DESCRIPTION		FROM: 0.11 Mi. W Int. Rte. 641 TO: Int. Rte. 641 (0.1100 MI)		
8	ROUTE/STREET	0743			TOTAL COST		\$4,017,516		
9	FUND SOURCE	MATCH	FY09	FY10	FY11	FY12	13		
11			\$0	\$0	\$0	\$0	12		

Glossary of Terms

	Term	Definition
1	Universal Project Code (UPC) Number	Number assigned to each project at its conception, remaining with the project until completion.
2	Scope	Includes notes about the work to be covered by the project.
3	System	Indicates which system, program, or mode of transportation the project falls within. E.g. Interstate, Primary, Secondary, Urban, Rail, Transportation Enhancements, or Miscellaneous.
4	Jurisdiction	The jurisdiction (City of Charlottesville or Albemarle County) in which the project will occur.
5	Federal Oversight Indicator (FO or NFO)	FO: Indicates Federal Oversight in the project construction, contracting, and management. NFO: Indicates No Federal Oversight in the construction, contracting, and management issues, and does not affect the standard environmental review process for transportation projects. All federally funded transportation projects must include the required environmental documents regardless of whether there is federal oversight required.

	Term	Definition																										
6	Project/Project Phase	Name of the Project and Phase (i.e. <i>PE: Preliminary Engineering</i> - Preliminary field survey, utility location, environmental or historical studies, design drawings, final field inspections and public hearings will be done. This process can take several months to years to complete; <i>RW: Right of Way</i> - Negotiations with property owners take place, payments are made, and arrangements with utility companies are finalized to obtain the land necessary for the project; or <i>CN: Construction</i> - Project is advertised to prospective contractors for bids. Once the bids are opened and a contract awarded, construction can begin.)																										
7	Admin By	Entity responsible for the project																										
8	Description	Limits of the project																										
9	Route/Street	Local street name																										
10	Total Cost	The total estimated cost (TO) reflecting the best overall estimate available at the time. Estimated costs begin as rough estimates, usually based on historical data, and are updated at critical stages (e.g. the final field inspection), as plans are more defined.																										
11	Fund Source <i>All designations except "State" indicate that federal funds are to be used for at least a portion of the project.</i>	<p>FHWA funding sources are described below:</p> <table border="1"> <tbody> <tr> <td>APD Appalachian Development</td> <td>HPD TEA-21 Priority</td> </tr> <tr> <td>APL Appalachian Local Access</td> <td>I Interstate</td> </tr> <tr> <td>BH Bridge Rehabilitation</td> <td>IM Interstate Maintenance</td> </tr> <tr> <td>BOND Bonds/Interest</td> <td>NHS National Highway System</td> </tr> <tr> <td>BR Bridge Replacement</td> <td>OC Open Container</td> </tr> <tr> <td>CMAQ Congestion Mitigation & Air Quality</td> <td>OT Off the Top</td> </tr> <tr> <td>DEMO Federal Demonstration</td> <td>RO Repeat Offender</td> </tr> <tr> <td>DT Dulles Toll Facilities</td> <td>RPT Richmond-Petersburg Turnp Tolls</td> </tr> <tr> <td>EN Enhancement</td> <td>RS Rail Safety (100% Federal)</td> </tr> <tr> <td>FH Forest Highway</td> <td>RSTP Regional Surface Transportation Program</td> </tr> <tr> <td>FRAN Federal Reimbursement Anticipation Notes</td> <td>S State</td> </tr> <tr> <td>FTA Federal Transit Authority Grant</td> <td>STP Surface Transportation</td> </tr> <tr> <td>HES Hazard Elimination Safety (Sec. 152)</td> <td>TFRA Toll Facilities Revolving Doc</td> </tr> </tbody> </table>	APD Appalachian Development	HPD TEA-21 Priority	APL Appalachian Local Access	I Interstate	BH Bridge Rehabilitation	IM Interstate Maintenance	BOND Bonds/Interest	NHS National Highway System	BR Bridge Replacement	OC Open Container	CMAQ Congestion Mitigation & Air Quality	OT Off the Top	DEMO Federal Demonstration	RO Repeat Offender	DT Dulles Toll Facilities	RPT Richmond-Petersburg Turnp Tolls	EN Enhancement	RS Rail Safety (100% Federal)	FH Forest Highway	RSTP Regional Surface Transportation Program	FRAN Federal Reimbursement Anticipation Notes	S State	FTA Federal Transit Authority Grant	STP Surface Transportation	HES Hazard Elimination Safety (Sec. 152)	TFRA Toll Facilities Revolving Doc
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12	Match	Dollar amount matched to federally funded project. Most federal fund sources require a match of some sort; most often 20% of the total cost. The match is included in the obligations section for informational purposes. The match can come from local, state or other sources.																										
13	Current and Future Obligations	The amount of funding which is obligated for the indicated phase of work. An obligation represents a commitment from the Federal government to reimburse the state for the Federal share (e.g. 80%) of a project's eligible cost. This commitment occurs when the project is approved and the Federal government executes the project agreement. The funding obligation listed is the dollar amount that a state may spend and expect reimbursement for during each Federal fiscal year.																										

Additional Project Information Each ungrouped project summary includes additional detail provided by the MPO, the City of Charlottesville, and Albemarle County. This information

appears in a small chart beneath the project’s cost estimates and obligations, and includes detail describing the project’s location, purpose, MPO endorsement status, and environmental review information, including:

Environmental Impact Statement (EIS)	An Environmental Impact Statement is prepared for projects which are expected to have a significant impact on the environment
Categorical Exclusions (CE)	Categorical Exclusions apply to projects which will not individually or cumulatively cause a significant environmental impact. Most CEs require minimal administrative review.
Program Categorical Exclusions (PCE)	Program Categorical Exclusions are pre-determined actions which do not require administration review.
Environmental Assessment (EA)	An Environmental Assessment is prepared for actions in which the significance of the environmental impact is not clear.
Not Available (NA)	Not available or not undertaken is when an any of the above have not yet been completed or are not needed.

TIP Financial Information

SYIP Allocations vs. TIP Obligations

The SYIP is an allocation document similar to a capital outlay plan. Allocations are funds that are available in current and previous years (i.e., “the budget”) and those forecasted for future years over the period covered in the SYIP. For example, the FY 2015-2020 SYIP became effective on July 1, 2014; at that time, FY 2015 allocations were combined with any remaining previous allocations that were on each project and together, all previous allocations represent the current budget on the project; funds for FY 2016 through FY 2020 are funds projected to be available in each of those years based on the most recent revenue forecast. Allocations come from several sources, including state, federal, and local funds and represent the amount of funding the Commonwealth has set aside to fund the cost of each project.

The TIP is an obligation document. Obligations are not allocations, but instead represent commitments by the federal government to reimburse the state for the federal share of a project’s eligible costs. Thus, states do not receive funding in advance of beginning a project or phase; instead, a project or phase is authorized in a federal agreement under which FHWA or FTA commits to reimburse the state for a share of eligible costs. Obligations are identified in the STIP/TIP by project and project phase (i.e., Preliminary Engineering (PE), Right of Way (RW), and Construction (CN)), and are forecasted across a three-year period.

To better understand the relationship between allocations and obligations, consider the allocation as the money in your checking account that you plan to spend; consider the obligations as the checks you plan to write to cover costs incurred. Like balancing a checkbook, a project’s obligations should be equal to or less than the amount of funding allocated to it, generally speaking. Since the TIP is an obligation document, it identifies the amount of funding anticipated to be reimbursed by the federal government, while the SYIP is an allocation

document that identifies the total amount of funding expected to be expended to deliver the specified projects and programs.

TIP Financial Plan

MAP-21's planning regulation 23 CFR 450.324(h) specifies the inclusion of a financial plan in the TIP that shows how the projects or project phases identified can reasonably be expected to be implemented with the available public and private revenues identified. TIP projects and phases are required to be consistent with the long-range plan and must be fully funded in the TIP. To the extent that funding is available or is reasonably expected to be available, priority projects and phases have been selected for inclusion in this TIP. The MPO and its member organizations have cooperatively developed financial forecasts for the TIP based on the latest official planning assumptions and estimates of revenue(s) and cost(s). The financial information is given by funding category for the projects listed and expected to be implemented during the four-year period beginning in FY 2021.

Some projects listed in the TIP may show \$0 for planned obligations. Possible reasons for this include:

- Project is complete and is awaiting financial closeout;
- Subsequent phases beyond four years;
- Information only, funding being pursued; or
- Project to be funded from [category] group funding.

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

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

Funding Sources

The following provides a general overview of funding programs utilized in the development of the TIP.

Highway Funding Program:

BR/BROS

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

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

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

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

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

RSTP **Regional Surface Transportation Program** (RSTP) provides funding for a broad range of capacity, operational, and congestion mitigation related improvements. Projects include road widening, rehabilitation, transit capital, research, environmental enhancements, intelligent transportation systems, planning, and others.

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

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

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

EN **Transportation Enhancement** funds have been made available for bicycle and pedestrian facilities through the Surface Transportation Program of the TEA-21. A 10% set aside from each state's allocation of STP funds must be used for Transportation Enhancement activities. Projects are available for funding on a statewide competition basis for enhancement grants. The Enhancement program includes a set aside for the Roadscapes Program, which provides funding for local jurisdictions to

apply for landscaping projects on state and federally maintained rights-of-way.

SRS

Safe Routes to School is a competitive grant program to enable and encourage children to safely walk and bicycle to school. Funds can be used for infrastructure improvements and educational programs.

Transit Funding Programs:

Section 5307 Federal Transit Administration formula grants for transit operating assistance in urbanized areas.

Section 5311 Federal Transit Administration formula grants transit operating assistance outside urbanized areas.

Section 5317 Federal Transit Administration funds for Job Access and Reverse Commute grants to provide low-income individuals job access transportation.

Section 5309 Federal Transit Administration discretionary grant funding for capital assistance for major bus related construction or equipment projects.

Section 5310 Federal Transit Administration funds for private and non-profit organizations providing mass transportation services for the elderly and disabled.

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

Transit

Charlottesville Area Transit (CAT) uses the Transportation Improvement Program (TIP) development process of the TJPDC Metropolitan Planning Organization (MPO) to satisfy the public hearing requirements of 49 U.S.C. Section 5307(c). The TIP public notice of public involvement activities and time established for public review and comment on the TIP satisfies the program-of-projects requirements of the Urbanized Area Formula Program.

Table C: CAMPO Federal Funding Categories Fiscal Constraint by Year (Hwy 2024-2027)

Fund Source	FFY 2024		FFY 2025		FFY 2026		FFY 2027		TOTAL	
	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation	Projected Obligation Authority	Planned Obligation
Federal										
BR	\$0	\$0	\$901,970	\$901,970	\$0	\$0	\$0	\$0	\$901,970	\$901,970
DEMO	\$0	\$0	\$7,368	\$7,368	\$0	\$0	\$0	\$0	\$7,368	\$7,368
HSIP	\$299,403	\$299,403	\$3,613,900	\$3,613,900	\$0	\$0	\$0	\$0	\$3,913,303	\$3,913,303
NHPP/E	\$0	\$0	\$644,319	\$644,319	\$2,158,332	\$2,158,332	\$0	\$0	\$2,822,651	\$2,822,651
NHS/NHPP	\$3,655,109	\$3,655,109	\$14,212,498	\$14,212,498	\$849,980	\$849,980	\$0	\$0	\$18,717,587	\$18,717,587
STP/STBG	\$1,985,902	\$1,985,902	\$8,882,013	\$8,882,013	\$4,109,922	\$4,109,922	\$0	\$0	\$14,977,837	\$14,977,837
Subtotal -- Federal	\$5,940,414	\$5,940,414	\$28,282,068	\$28,282,068	\$7,118,234	\$7,118,234	\$0	\$0	\$41,340,716	\$41,340,716
Other										
Non-Federal	\$6,160,904	\$6,160,904	\$0	\$0	\$0	\$0	\$0	\$0	\$6,160,904	\$6,160,904
State Match	\$7,730,306	\$7,730,306	\$5,908,389	\$5,908,389	\$1,779,557	\$1,779,557	\$0	\$0	\$8,184,408	\$8,184,408
Subtotal -- Other	\$13,891,210	\$13,891,210	\$5,908,389	\$5,908,389	\$1,779,557	\$1,779,557	\$0	\$0	\$14,345,312	\$14,345,312
Total	\$19,831,624	\$19,831,624	\$34,190,457	\$25,668,661	\$2,474,217	\$8,897,791	\$0	\$0	\$27,420,380	\$27,420,380

Federal - ACC (1)										
HSIP	\$139,196	\$139,196	\$0	\$0	\$0	\$0	\$0	\$0	\$139,196	\$139,196
NHPP/E	\$0	\$0	\$0	\$0	\$1,003,424	\$1,003,424	\$0	\$0	\$1,003,424	\$1,003,424
NHS/NHPP	\$0	\$0	\$380,421	\$380,421	\$1,046,362	\$1,046,362	\$316,432	\$316,432	\$1,743,215	\$1,743,215
STP/STBG	\$0	\$0	\$200,000	\$200,000	\$1,136,683	\$1,136,683	\$0	\$0	\$1,336,683	\$1,336,683
TAP	\$67,074	\$67,074	\$0	\$0	\$0	\$0	\$0	\$0	\$67,074	\$67,074
Subtotal -- Federal - ACC (1)	\$206,270	\$206,270	\$580,421	\$580,421	\$3,186,469	\$3,186,469	\$316,432	\$316,432	\$4,289,592	\$4,289,592

Statewide and/or Multiple MPO – Federal (3)										
NHS/NHPP	\$1,031,697	\$1,031,697	\$0	\$0	\$0	\$0	\$0	\$0	\$1,031,697	\$1,031,697
Subtotal -- Federal - ACC (3)	\$1,031,697	\$1,031,697	\$0	\$0	\$0	\$0	\$0	\$0	\$1,031,697	\$1,031,697

Maintenance - Federal (4)										
NHFP	\$1,877,503	\$1,877,503	\$1,877,503	\$1,877,503	\$1,877,503	\$1,877,503	\$1,877,503	\$1,877,503	\$7,510,012	\$7,510,012
NHS/NHPP	\$5,678,620	\$5,678,620	\$1,380,499	\$1,380,499	\$528,620	\$528,620	\$528,620	\$528,620	\$8,116,359	\$8,116,359
STP/STBG	\$14,706,804	\$14,706,804	\$14,766,739	\$14,766,739	\$14,827,694	\$14,827,694	\$14,889,684	\$14,889,684	\$59,190,921	\$59,190,921

Subtotal -- Maintenance - Federal (4)	\$22,262,927	\$22,262,927	\$18,024,741	\$18,024,741	\$17,233,817	\$17,233,817	\$17,295,807	\$17,295,807	\$74,817,292	\$74,817,292
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- (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

Interstate Projects

*None

Primary Projects

UPC NO	77383		SCOPE	Reconstruction w/ Added Capacity		
SYSTEM	Primary	JURISDICTION	Albemarle County	OVERSIGHT	NFO	
PROJECT	RTE 29 – WIDENING & CORRIDOR IMPROVEMENTS			ADMIN BY	VDOT	
DESCRIPTION	FROM: Route 643 (Polo Grounds Road) TO: Route 1719 (Town Center Drive) (1.8300 MI)					
PROGRAM NOTE	Linked with UPC 106136 & 106137					
ROUTE/STREET	0029			TOTAL COST	\$50,235,940	
	FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27
PE	Federal – NHS/NHPP	\$0	\$(304,685)	\$0	\$0	\$0
RW	Federal – NHS/NHPP	\$0	\$(4,612,073)	\$0	\$0	\$0
CN AC	Federal = AC Other	\$0	\$9,758,749	\$0	\$0	\$0
MPO Notes	Part of the Route 29 Solutions Project. Complete waiting closeout.					

UPC NO	106136		SCOPE	Reconstruction w/Added Capacity		
SYSTEM	Primary	JURISDICTION	Albemarle County	OVERSIGHT	FO	
PROJECT	US-29 RIO ROAD GRADE SEPARATED INTERSECTION			ADMIN BY	VDOT	
DESCRIPTION	FROM: ROUTE 851 (DOMINION DRIVE) TO: ROUTE 1417 (WOODBROOK DRIVE) (1.0000 MI)					
PROGRAM NOTE	LINKED WITH UPC 77383 & 106137					
ROUTE/STREET	SEMINOLE TRAIL (0029)			TOTAL COST	\$66,463,579	
	FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27
RW AC	Federal – AC OTHER	\$0	\$5,901,475	\$0	\$0	\$0
CN AC	Federal – AC OTHER	\$0	\$4,829,920	\$0	\$0	\$0
MPO Notes	Part of the Route 29 Solutions Project. Complete waiting closeout.					

Secondary Projects

UPC NO	111779		SCOPE	Bridge Replacement without Added Capacity		
SYSTEM	Secondary	JURISDICTION	Albemarle County	OVERSIGHT	NFO	
PROJECT	Rte. 702 – Bridge Replacement Str. 6401			ADMIN BY	VDOT	
DESCRIPTION	FROM: 0.04 MI. W. MOREY CREEK TO: 0.04 MI. E. MOREY CREEK (0.0800 MI)					
PROGRAM NOTE						
ROUTE/STREET	FONTAINE AVE EXT (0702)			TOTAL COST	\$3,499,960	
	FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27
		\$0	\$0	\$0	\$0	\$0
MPO Notes	Part of the Route 29 Solutions Project. Complete waiting closeout.					

UPC NO	106137		SCOPE	New Construction Roadway		
SYSTEM	Secondary	JURISDICTION	Albemarle County	OVERSIGHT	NFO	
PROJECT	BERKMAR DRIVE EXTENDED (CONSTRUCTION OF NEW ROADWAY)			ADMIN BY	VDOT	

DESCRIPTION	FROM: HILTON HEIGHTS ROAD TO: TOWNCENTER DRIVE (2.3000 MI)					
PROGRAM NOTE	LINKED WITH UPC 77383 & 106136					
ROUTE/STREET	BERKMAR DRIVE EXTENDED (1403)				TOTAL COST	\$46,211,254
FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27	
	\$0	\$0	\$0	\$0	\$0	
MPO Notes	Part of the Route 29 Solutions Project. Complete waiting closeout.					

Urban Projects

UPC NO	110381	SCOPE				
SYSTEM	Urban	JURISDICTION	Charlottesville	OVERSIGHT	NFO	
PROJECT	#HB2.FY17 EMMET ST. STR SCAPE & INTSECT GARVEE DEBT SERVICE			ADMIN BY	VDOT	
DESCRIPTION						
PROGRAM NOTE	Includes \$1,552,308 GARVEE Debt Service Interest Prev, \$382,163 GARVEE Debt Service Interest FFY24, \$380,421 GARVEE Debt Service Interest FFY25, \$349,178 GARVEE Debt Service Interest FFY26, \$316,432 GARVEE Debt Service Interest FFY27, \$1,378,067 GARVEE Debt Service Interest FFY28-38. Total GARVEE Debt Service Interest \$4,358,569. Corresponding CN UPC 109551					
ROUTE/STREET	0000			TOTAL COST	\$8,138,624	
FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27	
PE	Federal – AC CONVERSION	\$0	\$0	\$380,421	\$349,176	\$316,432
	Federal – NHS/NHPP	\$0	\$382,163	\$0	\$0	\$0
PE	TOTAL	\$0	\$382,163	\$380,421	\$349,178	\$316,432
PE AC	Federal - AC	\$0	\$2,424,098	\$0	\$0	\$0
MPO Notes	Smart Scale project					

UPC NO	75878	SCOPE	Bridge Replacement w/o Added Capacity			
SYSTEM	Urban	JURISDICTION	Charlottesville	OVERSIGHT	NFO	
PROJECT	#SGR – RTE 20 – BRIDGE REPLACEMENT			ADMIN BY	Locally	
DESCRIPTION	FROM: GARRETT ST/LEVY AVE (0.173 mi south of Water St.) TO: EAST MARKET ST (0.095 north of Water St) (0.2680MI)					
PROGRAM NOTE						
ROUTE/STREET	9 TH ST NE (0020)			TOTAL COST	\$38,078,180	
FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27	
PE	Federal- STP/STBP	\$44,502	\$178,006	\$0	\$0	\$0
RW	Federal- STP/STBG	\$0	(\$249,678)	\$0	\$0	\$0
CN	Federal – NHS/NHPP	\$0	\$4,280,739	\$0	\$0	\$0
	Federal – STP/STBG	\$0	\$0	\$2,656,780	\$0	\$0
	Other	\$6,160,904	\$6,160,904	\$0	\$0	\$0
CN TOTAL		\$6,160,904	\$10,441,643	\$2,656,780	\$0	\$0
CN AC	Federal – AC Other	\$0	\$13,745,208	\$0	\$0	\$0
MPO Notes						

UPC NO	60233	SCOPE	New Construction Roadway			
SYSTEM	Urban	JURISDICTION	Charlottesville	OVERSIGHT	NFO	
PROJECT	HILLSDALE DRIVE EXTENDED (3 LANES)			ADMIN BY	Locally	
DESCRIPTION	FROM: GREENBRIER DRIVE TO: HYDRAULIC ROAD (0.8500 MI)					
PROGRAM NOTE						
ROUTE/STREET	HILLSDALE DRIVE			TOTAL COST	\$27,081,640	
FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27	

RW AC	Federal – AC OTHER	\$0	\$548,132	\$0	\$0	\$0
CN AC	Federal – AC OTHER	\$0	\$13,605,896	\$0	\$0	\$0
MPO Notes		Rt 29 Solutions project. Finished, waiting financial close out. Added new road, realigned to tie into Hydraulic Rd.				

Project Groupings

GROUPING		Construction: Bridge Rehabilitation/Replacement/Reconstruction				
ROUTE/STREET					TOTAL COST	\$9,624,826
	FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27
RW AC	Federal – AC OTHER	\$0	\$180,000	\$0	\$0	\$0
CN	Federal – BR	\$225,493	\$0	\$901,970	\$0	\$0
CN AC	Federal – AC OTHER	\$0	\$0	\$3,138,620	\$1,329,631	\$0
MPO Notes						

GROUPING		Construction: Safety/ITS/Operational Improvements				
ROUTE/STREET					TOTAL COST	\$243,333,199
	FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27
PE	Federal – NHS/NHPP	\$359,838	\$1,439,351	\$0	\$0	\$0
	Federal – STP/STBG	\$188,821	\$0	\$	\$	\$0
PE TOTAL		\$548,659	\$1,439,351	\$558,344	\$196,940	\$0
PE AC	Federal – AC OTHER	\$0	\$0	\$1,358,602	\$1,020,168	\$0
RW	Federal – AC CONVERSION	\$8,500	\$76,500	\$0	\$0	\$0
	Federal – HSIP	\$7,339	\$66,051	\$0	\$0	\$0
	Federal – NHPP/E	\$116,080	\$0	\$464,319	\$0	\$0
	Federal – NHS/NHPP	\$1,167,127	\$683,924	\$3,984,583	\$0	\$0
	Federal – STP/STBG	\$1,062,923	\$658,812	\$574,453	\$3,018,427	\$0
RW TOTAL		\$2,361,969	\$1,485,287	\$5,023,355	\$3,018,427	\$0
RW AC	Federal – AC OTHER	\$0	\$1,076,520	\$472,543	\$0	\$0
CN	Federal – AC CONVERSION	\$656,127	\$62,696	\$0	\$2,596,643	\$0
	Federal - DEMO	\$1,842	\$0	\$7,368	\$0	\$0
	Federal – HSIP	\$427,472	\$233,352	\$3,613,900	\$0	\$0
	Federal – NHPP/E	\$589,583	\$0	\$200,000	\$2,158,332	\$0
	Federal – NHS/NHPP	\$3,215,896	\$1,785,690	\$10,227,915	\$849,980	\$0
	Federal – STP/STBG	\$365,300	\$319,784	\$246,860	\$894,555	\$0
CN TOTAL		\$5,256,220	\$2,401,522	\$14,296,043	\$6,499,510	\$0
CN AC	Federal – AC OTHER	\$0	\$28,744,480	\$11,105,149	\$2,967,848	\$0
MPO Notes						

GROUPING	Construction: Transportation Enhancement/Byway/Non-Traditional
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ROUTE/STREET					TOTAL COST	\$10,365,594
	FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27
PE	Federal – AC CONVERSION	\$16,769	\$67,074	\$0	\$0	\$0
RW	Federal – AC CONVERSION	\$110,162	\$0	\$200,000	\$240,648	\$0
	Federal – STP/STBG	\$269,745	\$1,078,978	\$0	\$0	\$0
RW TOTAL		\$379,907	\$1,078,978	\$200,000	\$240,000	\$0
RW AC	Federal – AC OTHER	\$0	\$550,811	\$0	\$0	\$0
CN	Federal – STP/STBG	\$1,211,394	\$0	\$4,845,576	\$0	\$0
	Federal – AC OTHER	\$0	\$0	\$0	\$300,811	\$0
MPO Notes						

GROUPING		Maintenance: Preventive Maintenance and System Preservation				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	\$49,752,817
	FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27
CN	Federal – AC CONVERSION	\$0	\$0	\$851,879	\$0	\$0
	Federal - NHS/NHPP	\$0	\$5,150,000	\$0	\$0	\$0
	Federal – STP/STBG	\$0	\$10,482,284	\$10,525,317	\$10,569,082	\$10,613,591
CN TOTAL		\$0	\$15,632,284	\$11,377,196	\$10,569,082	\$10,613,591
CN AC	Federal – AC OTHER	\$0	\$1,560,664	\$0	\$0	\$0
MPO Notes						

GROUPING		Maintenance: Preventive Maintenance for Bridges				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	\$18,387,625
	FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27
CN	Federal - NHFP	\$0	\$1,877,503	\$1,877,503	\$1,877,503	\$1,877,503
	Federal - NHS/NHPP	\$0	\$528,620	\$528,620	\$528,620	\$528,620
	Federal – STP/STBG	\$0	\$2,177,888	\$2,186,388	\$2,195,033	\$2,203,824
CN TOTAL		\$0	\$4,584,011	\$4,592,511	\$4,601,156	\$4,609,947
MPO Notes						

GROUPING		Maintenance: Traffic and Safety Operations				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	\$8,237,514
	FUNDING SOURCE	MATCH	FY24	FY25	FY26	FY27
CN	Federal – STP/STBG	\$0	\$2,046,632	\$2,055,034	\$2,063,579	\$2,072,269

Transit Summary - CAT and Jaunt

Charlottesville MPO	Previous Funding	FY 2024	FY 2025	FY 2026	FY 2027	Total FY 2024-2027	
FTA 5307	\$5,410	\$4,566	\$8,492	\$8,337	\$6,817	FTA 5307	\$28,212
FTA 5307 ARPA	\$600	\$0	\$0	\$0	\$0	FTA 5307 ARPA	\$0
FTA 5310	\$0	\$0	\$0	\$0	\$0	FTA 5310	\$0
FTA 5311	\$2,455	\$2,641	\$2,667	\$2,694	\$2,721	FTA 5311	\$10,723
FTA 5337	\$0	\$0	\$0	\$0	\$0	FTA 5337	\$0
FTA 5339	\$1,667	\$1,985	\$1,529	\$1,265	\$3	FTA 5339	\$4,806
FTA ADTAP	\$0	\$0	\$0	\$0	\$0	FTA ADTAP	\$0
Flexible STP	\$0	\$0	\$45	\$0	\$720	Flexible STP	\$0
RSTP	\$0	\$0	\$0	\$0	\$0	RSTP	\$0
Other Federal	\$0	\$0	\$0	\$0	\$0	Other Federal	\$0
State	\$4,648	\$6,465	\$5,420	\$4,630	\$1,611	State	\$18,126
Local	\$6,309	\$7,630	\$7,927	\$7,795	\$7,835	Local	\$31,187
Revenues	\$0	\$0	\$0	\$0	\$0	Revenues	\$0
<i>Totals</i>	\$19,009	\$21,531	\$20,419	\$18,792	\$14,551		\$75,293

*The federal funding allocations identified above do not reflect the federal transit funds provided with the Coronavirus Aid, Relief, and Economic Security Act.

CAT Summary

The following tables are based on [CAT's FY 2020 Transportation Development Plan \(TDP\)](#). The TDP serves as a guide regarding the ongoing and future operations of CAT. It provides a review of CAT's operational performance and objectives to direct performance improvements and expansions. Please visit CAT's Transportation Development Plan webpage for more details.

Charlottesville Transit	Previous Funding	FY 2024	FY 2025	FY 2026	FY 2027	Total FY 2024-2027	
FTA 5307	\$4,453	\$463	\$4,210	\$4,514	\$3,042	FTA 5307	\$16,229
FTA 5310	\$0	\$0	\$0	\$0	\$0	FTA 5310	\$0
FTA 5311	\$0	\$0	\$0	\$0	\$0	FTA 5311	\$0
FTA 5337	\$0	\$0	\$0	\$0	\$0	FTA 5337	\$0
FTA 5339	\$1,667	\$1,985	\$1,529	\$1,265	\$27	FTA 5339	\$4,806
Flexible STP	\$0	\$0	\$0	\$0	\$0	Flexible STP	\$0
RSTP	\$0	\$0	\$0	\$0	\$0	RSTP	\$0
Other Federal	\$0	\$0	\$0	\$0	\$0	Other Federal	\$0
State	\$4,082	\$4,821	\$3,714	\$3,072	\$66	State	\$11,673
Local	\$421	\$284	\$218	\$181	\$4	Local	\$687
Revenues	\$0	\$0	\$0	\$0	\$0	Revenues	\$0
<i>Totals</i>	\$6,170	\$7,090	\$5,462	\$4,517	\$97		\$17,166

	Previous Funding	FY2024	FY2025	FY2026	FY2027	Total FY2024-FY2027		
TIP ID:	CAT0001	Title: Operating Assistance				Recipient:	Charlottesville Area Transit	
FTA 5307	4,453,157	4,462,577	4,209,586	4,513,613	3,042,870	FTA 5307	16,228,646	
Flexible STP	-	-	-	-	-	Flexible STP	-	
State	3,231,065	3,105,580	2,971,936	2,839,383	2,896,171	State	11,813,070	
Local	3,513,651	4,125,000	5,252,042	5,325,018	6,525,018	Local	21,227,078	
Revenues	107,440	109,900	112,500	115,070	584,887	Revenues	922,357	
Year Total	11,305,313	11,803,057	12,546,064	12,793,084	13,048,946	Year Total	50,191,151	
Description:								
TIP ID:	CAT0002	Title: Expansion - Rolling Stock				Recipient:	Charlottesville Area Transit	
Flexible STP	-	-	-	-	-	Flexible STP	-	
FTA 5339	519,559	620,999	983,721	576,800	-	FTA 5339	2,181,520	
State	1,261,786	1,508,139	2,389,038	1,400,800	-	State	5,297,977	
Local	74,223	88,714	140,532	82,400	-	Local	311,646	
Year Total	1,855,568	2,217,852	3,513,291	2,060,000	-	Year Total	7,791,143	
Description:								
TIP ID:	CAT0003	Title: Replacement - Rolling Stock				Recipient:	Charlottesville Area Transit	
Flexible STP	-	-	-	-	-	Flexible STP	-	
FTA 5339	897,832	1,058,553	517,003	576,800	-	FTA 5339	2,152,356	
State	2,180,449	2,570,773	1,255,580	1,400,800	-	State	5,227,153	
Local	128,262	151,222	73,858	82,400	-	Local	307,480	
Year Total	3,206,543	3,780,548	1,846,441	2,060,000	-	Year Total	7,686,989	
Description:								
TIP ID:	CAT0007	Title: Passenger Shelters				Recipient:	Charlottesville Area Transit	
Flexible STP	-	-	-	-	-	Flexible STP	-	
FTA 5339	-	64,400	25,760	25,760	25,760	FTA 5339	141,680	
State	-	156,400	62,560	62,560	62,560	State	344,080	
Local	-	9,200	3,680	3,680	3,680	Local	20,240	

Year Total	-	230,000	92,000	92,000	92,000	Year Total	506,000
Description:							
TIP ID:	CAT0009	Title: Purchase Support Vehicles				Recipient:	Charlottesville Area Transit
Flexible STP	-	-	-	-	-	Flexible STP	-
FTA 5339	25,277	14,000	-	28,000	-	FTA 5339	42,000
State	61,387	34,000	-	68,000	-	State	102,000
Local	3,611	2,000	-	4,000	-	Local	6,000
Year Total	90,275	50,000	-	100,000	-	Year Total	150,000
Description:							
TIP ID:	CAT0011	Title: Purchase Shop Equipment				Recipient:	Charlottesville Area Transit
Flexible STP	-	-	-	-	-	Flexible STP	-
FTA 5339	98,000	63,140	-	-	-	FTA 5339	63,140
State	238,000	153,340	-	-	-	State	153,340
Local	14,000	9,020	-	-	-	Local	9,020
Year Total	336,000	216,480	-	-	-	Year Total	216,480
Description:							
TIP ID:	CAT0012	Title: Purchase Vehicle Locator System				Recipient:	Charlottesville Area Transit
Flexible STP	-	-	-	-	-	Flexible STP	-
FTA 5339	-	154,000	-	-	-	FTA 5339	154,000
State	-	374,000	-	-	-	State	374,000
Local	-	22,000	-	-	-	Local	22,000
Year Total	-	550,000	-	-	-	Year Total	550,000
Description:							
TIP ID:	CAT0014	Title: Purchase Misc Equipment				Recipient:	Charlottesville Area Transit
Flexible STP	-	-	-	-	-	Flexible STP	-
FTA 5339	70,420	4,200	2,800	1,400	1,400	FTA 5339	9,800
State	171,020	10,200	6,800	3,400	3,400	State	23,800
Local	10,060	600	400	-	-	-	-
Year Total	251,500	15,000	10,000	4,800	4,800	Year Total	
Description:							

TIP ID:	CAT0017	Title: Purchase Surveillance/Security Equipment				Recipient:	Charlottesville Area Transit
Flexible STP	-	-	-	-	-	Flexible STP	
FTA 5339	55,567	5,880	-	56,000	-	FTA 5339	
State	134,948	14,280	-	136,000	-	State	
Year Total	190,515	20,160	-	192,000	-	Year Total	
Description:							
TIP ID:	CAT0020	Title: Purchase Transit Radio System				Recipient:	Charlottesville Area Transit
Flexible STP	-	-	-	-	-	Flexible STP	
FTA 5339	-	-	-	-	-	FTA 5339	
State	34,840	-	-	-	-	State	
Local	182,911	-	-	-	-	Local	
Year Total	217,751	-	-		-	Year Total	
Description:							

Jaunt Summary

JAUNT completed its 2022 Transit Development Plan in December of the same year to more closely align with operating changes and capital improvement projects. The 2022 Jaunt Transit Development Plan is available on the CA-MPO TIP webpage to provide explanations for the TIP budget requests.

Jaunt, Inc.	Previous Funding	FY 2024	FY 2025	FY 2026	FY 2027	Total FY 2024-2027	
FTA 5307	\$957	\$4,103	\$4,282	\$3,823	\$3,775	FTA 5307	\$15,983
FTA 5310	\$0	\$0	\$0	\$0	\$0	FTA 5310	\$0
FTA 5311	\$2,455	\$2,641	\$2,667	\$2,694	\$2,721	FTA 5311	\$10,724
FTA 5307 ARPA	\$600	\$0	\$0	\$0	\$0	FTA 5337	\$0
Mobility Manager	\$68	\$0	\$0	\$0	\$0	FTA 5339	\$0
Other Federal	\$0	\$0	\$0	\$0	\$0	Other Federal	\$0
State	\$566	\$1,644	\$1,706	\$1,558	1,545	State	\$6,453
Local	\$5,888	\$7,346	\$7,709	\$7,614	\$7,831	Local	\$30,501
Revenues	\$0	\$0	\$0	\$0	\$0	Revenues	\$0
<i>Totals</i>	\$12,839	\$14,441	\$14,957	\$14,275	\$14,454		\$58,126

	Previous Funding FY2023	FY 2024	FY 2025	FY 2026	FY 2027	Total FY 2024-2027	
CHARLOTTEVILLE-ALBEMARLE METROPOLITAN PLANNING ORGANIZATION							
TIP ID:	JNT0001	Title: Operating Assistance		Recipient:		JAUNT, Inc.	
FTA 5307	957	952	962	971	981	FTA 5307	3,866
FTA 5311	2,455	2,641	2,667	2,694	2,721	FTA 5311	10,724
FTA 5307 ARPA	600	-	-	-	-	-	-
Mobility Mgr (Fed)	68	-	-	-	-	-	-
State	2,552	1,162	1,174	1,185	1,197	State	4,718
Local	4,632	6,276	6,527	6,788	7,060	Local	26,651
Revenues	590	396	297	309	321	Revenues	1,323
Year Total:	11,854	11,427	11,627	11,948	12,280	Total Funds:	47,281
Description:							
TIP ID:	JNT0002	Title: Replacement Rolling Stock		Recipient:		JAUNT, Inc.	
FTA 5311	1,576	956	914	923	960	FTA 5311	3,754
FTA 5339	-	-	-	-	-	FTA 5339	-
Flexible STP	-	-	-	-	-	Flexible STP	-
State	520	315	302	305	317	State	1,238
Local	1,154	700	669	676	703	Local	2,748
Year Total:	3,250	1,971	1,885	1,904	1,980	Total Funds:	7,740
Description:	Replacement of revenue vehicles						
TIP ID:	JNT0006	Title: ADP Hardware		Recipient:		JAUNT, Inc.	
FTA 5311	139	99	115	43	38	FTA 5311	295
Flexible STP	-	-	-	-	-	Flexible STP	
State	46	33	38	14	12	State	97
Local	102	72	84	32	28	Local	216
Year Total:	287	204	237	89	78	Total Funds:	608
Description:							
TIP ID:	JNT0009	Title: ADP Software		Recipient:		JAUNT, Inc.	
FTA 5311	-	320	455	27	11	FTA 5311	813
Flexible STP	-	-	-	-	-	Flexible STP	-
State	-	106	150	9	4	State	268
Local	-	234	333	20	8	Local	595
Year Total:	-	660	938	55	23	Total Funds:	1,676
Description:							

TIP ID:	JNT0012	Title: Rehab Renovation Facility		Recipient: JAUNT, Inc.			
FTA 5311	-	59	59	60	12	FTA 5311	18
Flexible STP	-	-	-	-	-	Flexible STP	-
State	-	19	20	20	4	State	62
Local	-	43	43	44	9	Local	138
Year Total:	-	121	122	123	24	Total Funds:	390
Description:	Various projects to improve the facility						
TIP ID:	JNT0013	Title:Spare Parts/ACM Items		Recipient: JAUNT, Inc.			
FTA 5311	-	14	31	32	33	FTA 5311	110
Flexible STP	-	-	-	-	-	Flexible STP	-
State	-	4	10	11	11	State	36
Local	-	10	22	23	24	Local	80
Year Total:	-	28	63	66	69	Total Funds:	226
Description:							
TIP ID:	JNT0015	Title: Support Vehicles		Recipient: JAUNT, Inc.			
FTA 5311	-	15	41	44	-	FTA 5311	99
Flexible STP	-	-	-	-	-	Flexible STP	
State	-	5	14	14	-	State	33
Local	-	11	30	32	-	Local	73
Year Total:	-	30	85	90		Total Funds	205
Description:							
TIP ID:		Title: Governance Study		Recipient: Thomas Jefferson Planning District Commission/ Charlottesville Albemarle MPO			
401 Federal			0	0	0	Federal	122
1400 Local			0	0	0	Local	65
Year Total:						Total Funds:	187
Description:	Project start date: FY23. Project end date: 18 Months						
TIP ID:		Title: Mobility Manager		Recipient: Thomas Jefferson Planning District Commission/ Charlottesville Albemarle MPO			
FTA 5310 Federal		103				Federal	
State		21				State	
1400 Local		5				Local	
Year Total:		129				Total Funds	
Description:							

Appendix A. Projects by Grouping

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Appendix A
Projects by Grouping

Charlottesville MPO

Construction : Bridge Rehabilitation/Replacement/Reconstruction

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T19276	Culpeper District-wide	0000	\$0
		BRIDGE REHABILITATION/REPLACEMENT		
Primary	110001	Albemarle County	CROZET AVENUE (0240)	\$2,331,560
		#SGR18VB - RT 240 CROZET AVE STR 589 OVER LICKINGHOLE CREEK		
		FROM: 0.084 MI. South of Lickinghole Creek TO: 0.031 MI. North of Lickinghole Creek (0.1150 MI)		
Secondary	110000	Albemarle County	FRAY'S MILL ROAD (0641)	\$1,912,044
		#SGR18VB - RT 641 FRAYS MILL RD STR 709 OVER MARSH RUN		
		FROM: 0.03 MI. FROM RTE. 743 TO: 2.37 MI. TO RTE. 606		
Secondary	111378	Albemarle County	RED HILL ROAD (0708)	\$5,381,222
		#SGR18VB - RT 708 RED HILL RD STRUCT 792 OVER N.F. HARDWARE		
		FROM: 0.022 MI. E. of North Fork Hardware River TO: 0.064 MI. W. of North Fork Hardware River (0.0860 MI)		
Construction : Bridge Rehabilitation/Replacement/Reconstruction Total				\$9,624,826

Construction : Safety/ITS/Operational Improvements

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Interstate	119329	Albemarle County	0064	\$183,000
		#I64CIP - CCTV Culpeper District		
		FROM: WB 102.4 TO: WB 102.4		
Interstate	119333	Culpeper District-wide	0064	\$1,000,000
		#I64CIP - CMS CULPEPER DISTRICT		
Interstate	119445	Statewide	0064	\$282,535
		#I64 CIP - CULPEPER DISTRICT SSP		
		FROM: Various TO: Various		
Interstate	119446	Statewide	0064	\$0
		I64CIP - PUBLIC SAFETY ADVISORY POINTS INTEGRATIONS		
		FROM: various TO: various		
Interstate	117790	Statewide	0081	\$382,000
		#ITTF21 STUDY OF ADVANCED TECHNOLOGIES -I-81		
		FROM: various TO: various		
Interstate	118193	Statewide	0095	\$5,744,292
		#I95CIP CRO SSP FY23-26		
		FROM: I95 Various TO: I-95 Various		
Interstate	119154	Statewide	0095	\$900,000
		#I95CIP PUBLIC SERVICE ADVISORY(PSAP) INTEGRATIONS STATEWIDE		
		FROM: Various TO: Various		
Interstate	119155	Statewide	0095	\$0
		#I95CIP WORK ZONE DEMONSTRATION SAFETY GRANT		
		FROM: various TO: various		

Appendix is for informational purposes only.

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Charlottesville MPO

Construction : Safety/ITS/Operational Improvements

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Interstate	110551	Statewide TRAFFIC VIDEO EXPANSION (PSAP) - STATEWIDE FROM: Various TO: Various	9999	\$307,192
Interstate	110912	Statewide Statewide Truck Parking Management System - Phase 1 FROM: Various TO: Various	9999	\$813,019
Interstate	111613	Statewide STATEWIDE TRUCK PARKING MANAGEMENT SYSTEM - PHASE 2 FROM: Various TO: Various	9999	\$1,807,000
Interstate	111892	Statewide ATMS - PHASE 1, 2, 3, 4 FROM: Various TO: Various	9999	\$0
Interstate	115854	Statewide #ITTF20 ARTERIAL OPERATIONS PROGRAM DASHBOARD FROM: n/a TO: n/a	9999	\$0
Interstate	115856	Statewide #ITTF20 PARKING DEMAND MANAGEMENT SYSTEM FROM: Various TO: Various	9999	\$1,950,000
Interstate	119197	Statewide #ITTF22 OSPREY FIBER CONNECTIONS - STATEWIDE FROM: Various TO: Various	9999	\$1,500,000
Interstate	119198	Statewide #ITTF22 HIGH SPEED COMMUNICATIONS FOR SIGNALS (PHASE II) FROM: Various TO: Various	9999	\$25,040
Interstate	119199	Statewide #ITTF22 STUDY FOR SMARTER LIGHTING INITIATIVE STATEWIDE FROM: Various TO: Various	9999	\$500,000
Interstate	119332	Statewide #ITTF22 DATA-DRIVEN MGMT PROGRAM FOR PAVEMENT MARKING FROM: Various TO: Various	9999	\$300,000
Interstate	119379	Statewide #ITTF22 CONNECTED WORK ZONES PROGRAM STATEWIDE FROM: Various TO: Various	9999	\$0
Interstate	119401	Statewide #ITTF22 PROJECT EVALUATIONS STATEWIDE FROM: Various TO: Various	9999	\$250,000
Interstate	119402	Statewide #ITTF22 INCIDENT RESPONSE OPTIMIZATION -STATEWIDE FROM: Various TO: Various	9999	\$1,030,000
Interstate	119404	Statewide #ITTF22 GUIDE LIGHTS FOR SPEED MANAGEMENT STATEWIDE FROM: various TO: various	9999	\$1,000,000
Interstate	119406	Statewide #ITTF22 AUTOMATED SPEED ENFORCEMENT PILOT STATEWIDE FROM: Various TO: Various	9999	\$0

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

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Primary	111727	Albemarle County	MONACAN TRAIL (0029) I-64 / ROUTE 29 INTERCHANGE IMPROVEMENTS FROM: 0.22 MI NORTH OF ROUTE 1106 TO: 0.37 MI NORTH OF ROUTE 1106 (0.1500 MI)	\$2,080,207
Primary	111813	Albemarle County	ROUTE 29 (0029) #SMART18 - NB US 29 exit ramp to Fontaine Avenue FROM: 0.29 MILES N. of I-64 WB BRIDGE TO: Fontaine Avenue (0.3500 MI)	\$2,629,600
Primary	114299	Albemarle County	SEMINOLE TRAIL (0029) ROUTE 29 AND WOODBROOK INTERSECTION MODIFICATION FROM: Woodbrook Dr TO: Woodbrook Dr (0.0600 MI)	\$0
Primary	114666	Albemarle County	0029 PSAP - Pedestrian Facility Improvements in Albemarle County FROM: Various Locations TO: Various Locations	\$407,340
Primary	114401	Culpeper District-wide	SEMINOLE TRAIL (0029) Signal Performance Metric - ATSC FROM: Rte. 649 TO: Stone Ridge Drive	\$600,000
Primary	111729	Albemarle County	IVY ROAD (0250) ROUTE 250 / 240 / 680 ROUNDABOUT FROM: INTERSECTION OF ROUTES 250 / 240 / 680 TO: INTERSECTION OF ROUTES 250 / 240 / 680	\$3,550,000
Primary	111814	Albemarle County	RICHMOND ROAD (0250) #SMART18 - EXIT 124 (INTERSTATE 64) FROM: 0.32 MILES E. FR-179 (HANSENS MTN ROAD) TO: 0.02 MILES W. FR-179 (HANSENS MTN ROAD) (0.3400 MI)	\$18,102,653
Primary	115477	Albemarle County	RICHMOND ROAD (0250) #SMART20 - RTE. 250 & RTE. 20 INTERSECTION IMPROVEMENTS FROM: 0.10 M. E. RTE. 20 TO: 0.10 M. W. RTE. 20 (0.2000 MI)	\$8,800,000
Primary	115476	Charlottesville	5TH STREET (9999) #SMART20 - 5TH STREET SW CORRIDOR IMPROVEMENTS FROM: RIDGE STREET TO: E. AT UNDIVIDED 5TH STREET	\$6,103,034
Urban	109480	Charlottesville	E. MARKET ST. / 9TH. ST. N.E. / E. HIGH ST. (0000) #HB2.FY17 EAST HIGH STREETScape IMPROVEMENTS FROM: INT. E. MARKET ST. / 7TH. ST. N.E. TO: E. HIGH ST. / LOCUST AVE. (0.3600 MI)	\$7,157,000
Urban	109551	Charlottesville	EMMET ST. N. (0000) #HB2.FY17 EMMET STREET CORRIDOR STREETScape & INTERSECTIONS FROM: IVY ROAD / UNIVERSITY AVENUE TO: ARLINGTON BOULEVARD (0.5500 MI)	\$12,098,063
Urban	111796	Charlottesville	EMMET STREET (0029) #SMART18 - BARRACKS RD @ EMMET ST INTERSECTION FROM: 0.08 MI S OF INT. BARRACKS ROAD TO: 0.01 MI N OF INT. BARRACKS ROAD (0.0900 MI)	\$8,640,866
Urban	109484	Charlottesville	FONTAINE AVENUE (0000) #HB2.FY17 FONTAINE AVENUE STREETScape IMPROVEMENTS FROM: RAY C HUNT DRIVE TO: JEFFERSON PARK AVENUE (0.4300 MI)	\$11,700,000
Urban	113916	Charlottesville	GRADY AVENUE (0250) 10TH & GRADY AVENUE BIKE PED FROM: 0.04 EAST OF ROUTE 3423 TO: 0.06 WEST OF ROUTE 3423 (0.1000 MI)	\$291,000

Charlottesville MPO

Construction : Safety/ITS/Operational Improvements

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Interstate	121664	Statewide #ITTF23 LEVERAGING CONNECTED CAR DATA FOR IMPROVED SAFETY FROM: Various TO: Various	9999	\$350,000
Interstate	121663	Statewide #ITTF23 - COOPERATIVE FREEWAY MANAGEMENT STUDY- NOVA/FRED FROM: Various TO: Various	9999	\$3,000,000
Interstate	121664	Statewide #ITTF23 OPERATIONALIZE TRAFFIC OPERATIONS SUPPORT CENTER FROM: Various TO: Various	9999	\$1,000,000
Interstate	121665	Statewide #ITTF23 IMPLEMENT AI-BASED INTEGRATED SECURITY PREDICTION FROM: Various TO: Various	9999	\$500,000
Interstate	121666	Statewide #ITTF23 ITTF PROJECT EVALUATIONS FROM: Various TO: Various	9999	\$500,000
Interstate	121667	Statewide #ITTF23 RM3P DEP Data Services FROM: Various TO: Various	9999	\$3,575,000
Interstate	121668	Statewide #ITTF23 REAL-TIME INFORMATION DISSEMINATION FOR CMVs FROM: Various TO: Various	9999	\$1,000,000
Interstate	121670	Statewide #ITTF23 ADVANCED ROAD WEATHER INFORMATION SYSTEMS STUDY FROM: VARIOUS TO: VARIOUS	9999	\$500,000
Interstate	121712	Statewide NETWORK OPERATIONS CENTER IMPLEMENTATION FROM: Various TO: Various	9999	\$650,000
Interstate	121776	Statewide HARD SHOULDER RUNNING FEASIBILITY STUDY-Technology component FROM: Various TO: Various	9999	\$1,000,000
Interstate	121822	Statewide #ITTF23 STATEWIDE FIBER NETWORK ENHANCEMENTS FROM: Various TO: Various	9999	\$5,000,000
Interstate	122048	Statewide #ITTF23 - RM3P EVALUATION FROM: various TO: various	VARIOUS (9999)	\$500,000
Miscellaneous	T19275	Culpeper District-wide CN: SAFETY/ITS/OPERATIONAL/IMPROVEMENTS	0000	\$0
Miscellaneous	121537	Culpeper District-wide District-wide Flashing Yellow Arrows Installations FROM: VARIOUS TO: VARIOUS	9999	\$0
Miscellaneous	121643	Statewide #ITTF23 SMART INTERSECTIONS DEPLOYMENT SUPPORT FROM: Various TO: Various	9999	\$1,000,000

Charlottesville MPO

Construction : Safety/ITS/Operational Improvements

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Primary	111733	Albemarle County	STONY POINT ROAD (0020) #SMART18 - ROUTE 20/649 INTERSECTION IMPROVEMENT FROM: 0.119 MILE SOUTH OF RT. 649 TO: 0.058 MILE NORTH OF RT. 649 (0.3600 MI)	\$4,207,346
Primary	118875	Albemarle County	SCOTTSVILLE ROAD (0020) #SMART22 - RTE. 20/53 INTERSECTION IMPROVEMENTS FROM: .025 MILES S. RTE 53 TO: 0.10 MILES N. RTE 53 (0.3500 MI)	\$10,271,103
Primary	111727	Albemarle County	MONACAN TRAIL (0029) I-64 / ROUTE 29 INTERCHANGE IMPROVEMENTS FROM: 0.152 MILE SOUTH OF I-64 EB TO: 0.010 MILE SOUTH OF I-64 EB (0.1500 MI)	\$2,080,207
Primary	111813	Albemarle County	ROUTE 29 (0029) #SMART18 - NB US 29 exit ramp to Fontaine Avenue FROM: .208 Miles South of Fontaine Ave TO: .057 Miles South of Fontaine Ave (0.3500 MI)	\$2,621,469
Primary	114401	Albemarle County	SEMINOLE TRAIL (0029) Signal Performance Metric - ATSC FROM: Rte. 649 TO: Stone Ridge Drive	\$600,000
Primary	118868	Albemarle County	RTE. 29 BYPASS (0029) #SMART22 - US 29 AND FONTAINE AVE INTERCHANGE IMPROVEMENTS FROM: S. FONTAINE INTERCHANGE RAMP TO: N. FONTAINE INTERCHANGE RAMP (0.7000 MI)	\$13,440,089
Primary	118871	Albemarle County	SEMINOLE TRAIL (0029) #SMART22 - RTE 29 SHARED USE PATH FROM: CARRSBROOKE DR. TO: SEMINOLE LANE (0.5000 MI)	\$3,524,115
Primary	118867	Charlottesville	EMMET STREET (0029) #SMART22 - EMMET STREET MULTIMODAL PHASE II FROM: ARLINGTON BLVD TO: BARRACKS ROAD (0.4500 MI)	\$20,465,490
Primary	118880	Multi-jurisdictional: Charlottesville MPO	SEMINOLE TRAIL (0029) #SMART22 - HYDRAULIC ROAD AND RTE. 29 FROM: ANGUS ROAD TO: 0.24 MI North of HYDRAULIC ROAD (0.5300 MI)	\$28,254,264
Primary	111729	Albemarle County	IVY ROAD (0250) ROUTE 250 / 240 / 680 ROUNDABOUT FROM: INTERSECTION OF ROUTES 250 / 240 / 680 TO: INTERSECTION OF ROUTES 250 / 240 / 680	\$4,539,016
Primary	111814	Albemarle County	RICHMOND ROAD (0250) #SMART18 - EXIT 124 (INTERSTATE 64) FROM: 0.337 MILE WEST OF I-64 WB TO: 0.321 MILE EAST OF I-64 WB (0.3400 MI)	\$18,102,653
Primary	115477	Albemarle County	RICHMOND ROAD (0250) #SMART20 - RTE. 250 & RTE. 20 INTERSECTION IMPROVEMENTS FROM: 0.10 M. E. RTE. 20 TO: 0.10 M. W. RTE. 20 (0.2000 MI)	\$8,800,000
Primary	118879	Albemarle County	RICHMOND ROAD (0250) #SMART22 - RTE 250 EAST CORRIDOR IMPROVEMENTS FROM: STONEY POINT ROAD TO: ROLKIN ROAD	\$5,939,563
Primary	100548	Charlottesville	MCINTIRE ROAD BUSINESS (0250) Construct Multi-Use Path along McIntire Rd FROM: Route 250 Bypass TO: Harris Street	\$1,039,517
Secondary	118878	Albemarle County	5TH STREET EXTENDED (0631) #SMART22 - OLD LYNCHBURG RD/5TH ST EXT. INT IMPROVEMENTS FROM: 0.25 MILES S. RTE 780 TO: 0.25 MILES N. RTE 780 (0.5000 MI)	\$7,797,076

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Construction : Safety/ITS/Operational Improvements

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Secondary	118876	Albemarle County	RIO ROAD (0631) #SMART22 - RIO ROAD & JOHN WARNER PARKWAY ROUNDABOUT FROM: 0.02 MILES N RTE. 631 TO: 0.02 MILES S. RTE 631	\$10,887,626
Secondary	118877	Charlottesville	RIDGE STREET (9999) #SMART22 - RIDGE STREET SAFETY IMPROVEMENTS FROM: DIVIDED SECTION TO: MONTICELLO AVE (0.2400 MI)	\$8,738,020
Urban	115476	Charlottesville	5TH STREET (9999) #SMART20 - 5TH STREET SW CORRIDOR IMPROVEMENTS FROM: RIDGE STREET TO: E. AT UNDIVIDED 5TH STREET	\$6,103,034
Urban	109480	Charlottesville	E. MARKET ST. / 9TH. ST. N.E. / E. HIGH ST. (0000) #HB2.FY17 EAST HIGH STREETSCAPE IMPROVEMENTS FROM: 0.15 mile s south of Route 250 Bus TO: 0.72 mile south of Route 250 (0.3600 MI)	\$9,605,921
Urban	109551	Charlottesville	EMMET ST. N. (0000) #HB2.FY17 EMMET STREET CORRIDOR STREETSCAPE & INTERSECTIONS FROM: 0.046 mile south of Ivy Road on Emmet Street TO: ARLINGTON BOULEVARD (0.5500 MI)	\$16,844,639
Urban	111796	Charlottesville	EMMET STREET (0029) #SMART18 - BARRACKS RD @ EMMET ST INTERSECTION FROM: 0.06 MI S OF INT. BARRACKS ROAD TO: 0.08 MI N OF INT. BARRACKS ROAD (0.0900 MI)	\$8,640,866
Urban	109484	Charlottesville	FONTAINE AVENUE (0000) #HB2.FY17 FONTAINE AVENUE STREETSCAPE IMPROVEMENTS FROM: 0.03 mi west of Westerly Avenue TO: JEFFERSON PARK AVENUE (0.4300 MI)	\$12,276,431
Urban	113916	Charlottesville	GRADY AVENUE (0250) 10TH & GRADY AVENUE BIKE PED FROM: 0.04 EAST OF ROUTE 3423 TO: 0.06 WEST OF ROUTE 3423 (0.1000 MI)	\$291,000
Urban	113861	Charlottesville	MADISON AVENUE (0000) WASHINGTON PARK/MADISON AVENUE BICYCLE CONNECTOR TRAIL FROM: PRESTON AVENUE TO: ROSE HILL DRIVE	\$222,059
Urban	113917	Charlottesville	MONTICELLO AVENUE (3402) PEDESTRIAN IMPROVEMENTS AT MONTICELLO AVE/2ND FROM: 0.028 mi west of 2nd St SE TO: 0.022 mi east of 2nd St SE (0.0500 MI)	\$981,662
Urban	113918	Charlottesville	PRESTON AVENUE (0250) PEDESTRIAN IMPROVEMENTS AT PRESTON AVE/HARRIS ST FROM: 0.06 MI EAST OF HARRIS STREET TO: 0.04 MI WEST OF HARRIS STREET (0.1000 MI)	\$245,725
Urban	113919	Charlottesville	RIDGE STREET (3405) PEDESTRIAN IMPROVEMENTS AT RIDGE/CHERRY FROM: 0.07 MI SOUTH OF ROUTE 3400 TO: 0.03 MI NORTH OF ROUTE 3400 (0.1000 MI)	\$265,230
Construction : Safety/ITS/Operational Improvements Total				\$243,333,199

Construction : Transportation Alternatives/Byway/Non-Traditional

	System	UPC Jurisdiction / Name / Description	Street(Route)	Estimate
Enhancement	111393	Charlottesville	EN17 Rugby Avenue Shared Use Path FROM: West McIntire Park TO: Sherwood Road	\$419,500

Charlottesville MPO**Construction : Transportation Alternatives/Byway/Non-Traditional**

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Enhancement	121858	Charlottesville	EN22		\$104,804
			CITY OF CHARLOTTESVILLE SRTS COORDINATOR/PROGRAM DEVELOPMENT FROM: VARIOUS TO: VARIOUS		
Miscellaneous	T19273	Culpeper District-wide	0000		\$0
			CN: TRANSPORTATION ENHANCEMENT/BYWAYS/OTHER NON-TRADITIONAL		
Secondary	118870	Multi-jurisdictional: Charlottesville MPO	5TH STREET (0631)		\$9,841,290
			#SMART22 - FIFTH STREET HUB AND TRAILS FROM: 5th. St. Station development TO: 5th St. Parking Lot (0.2400 MI)		
Construction : Transportation Alternatives/Byway/Non-Traditional Total					\$10,365,594

Maintenance : Preventive Maintenance and System Preservation

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T14710	Culpeper District-wide	0000		\$49,752,817
			STIP-MN Culpeper: Preventive MN and System Preservation		
Urban	118295	Charlottesville	DAIRY ROAD (9999)		\$0
			#SGR21LB - DAIRY ROAD OVER RTE 250 BYPASS (FED ID 20073) FROM: DAIRY RD OVER RTE. 250 BYPASS TO: DAIRY RD OVER RTE. 250 BYPASS		
Urban	118882	Charlottesville	RTE 250 BYPASS (0250)		\$0
			#SGR22LP - RTE 250 BYPASS - CITY OF CHARLOTTESVILLE FROM: FIRE STATION TO: RUGBY AVE. (0.3400 MI)		
Maintenance : Preventive Maintenance and System Preservation Total					\$49,752,817

Maintenance : Preventive Maintenance for Bridges

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T14709	Culpeper District-wide	0000		\$18,387,625
			STIP-MN Culpeper: Preventive MN for Bridges		
Maintenance : Preventive Maintenance for Bridges Total					\$18,387,625

Maintenance : Traffic and Safety Operations

	System	UPC	Jurisdiction / Name / Description	Street(Route)	Estimate
Miscellaneous	T14708	Culpeper District-wide	0000		\$8,237,514
			STIP-MN Culpeper: Traffic and Safety Operations		
Maintenance : Traffic and Safety Operations Total					\$8,237,514

Charlottesville MPO Total**\$339,701,575**

Appendix B. Transit Asset Management

Transit Asset Management Plans

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 subrecipient of FTA 5311 funds, OR is an American Indian Tribe, OR has 100 or less vehicles across all fixed route modes, OR has 100 vehicles or less in one non-fixed route mode.

The Department of Rail and Public Transportation (DRPT) is the sponsor for the Statewide Tier II Group Plan. The Charlottesville Albemarle MPO programs federal transportation funds for Charlottesville Area Transit and JAUNT. Charlottesville Area Transit and JAUNT are 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		
Age - % of revenue vehicles within a particular asset class that have met or exceeded their Useful Life Benchmark (ULB)	AB - Articulated Bus	15%
	BU - Bus	10%
	CU - Cutaway	10%
	MB - Minibus	20%
	BR - Over-the-Road Bus	15%
	TB - Trolley Bus	10%
	VN - Van	25%
Equipment		
Age - % of vehicles that have met or exceeded their Useful Life Benchmark (ULB)	Non-Revenue/Service Automobile	25%
	Trucks and other Rubber Tire Vehicles	25%
Facilities		
Condition - % of facilities with a condition rating below 3.0 on the FTA TERM Scale	Administrative and Maintenance Facility	10%
	Administrative Office	10%
	Maintenance Facility	10%
	Passenger Facilities	10%

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

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

FTA TAM planning factsheet:

<https://www.transit.dot.gov/sites/fta.dot.gov/files/docs/Planning%20for%20TAM%20fact%20sheet.pdf>

Appendix C. Self-Certification Statement



Charlottesville-Albemarle Metropolitan Planning Organization

POB 1505, 401 E. Water St, Charlottesville, VA 22902 www.tjpd.org
(434) 979-7310 phone; (434) 979-1597 fax; info@tjpd.org email

Metropolitan Transportation Planning Process Self-Certification Statement

In accordance with 23 CFR 450.336, the Virginia Department of Transportation and the Charlottesville-Albemarle Metropolitan Planning Organization for the City of Charlottesville and the urbanized area of Albemarle County hereby certify that the transportation planning process is addressing the major issues in the metropolitan planning area and is being conducted in accordance with all applicable requirements of:

- I. 23 U.S.C. 134 and 135, 49 U.S.C. 5303 and 5304, and this part;
- II. Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d-1) & 49 CFR part 21;
- III. 49 U.S.C. 5332, prohibiting discrimination on the basis of race, color, creed, national origin, sex, or age in employment or business opportunity;
- IV. Section 1101(b) of the SAFETEA-LU (Pub. L. 109-59) and 49 CFR part 26 regarding the involvement of disadvantaged business enterprises in USDOT funded projects;
- V. 23 CFR part 230, regarding the implementation of an equal employment opportunity program on Federal and Federal-aid highway construction contracts;
- VI. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) and 49 CFR parts 27, 37 and 38;
- VII. In States containing nonattainment and maintenance areas, sections 174 and 176 (c) and (d) of the Clean Air Act, as amended (42 U.S.C. 7504, 7506 (c) and (d)) and 40 CFR part 93;
- VIII. The Older Americans Act, as amended (42 U.S.C. 6101), prohibiting discrimination on the basis of age in programs or activities receiving Federal financial assistance;
- IX. Section 324 of title 23 U.S.C., regarding the prohibition of discrimination based on gender; and
- X. Section 504 of the Rehabilitation Act of 1973 (29 U.S.C. 794) and 49 CFR part 27 regarding discrimination against individuals with disabilities.

Charlottesville-Albemarle MPO

Virginia Department of Transportation

Signature

Signature

Printed Name

Printed Name

Title

Title

Date

Date