

# AGENDA

## RICHMOND REGIONAL TRANSPORTATION PLANNING ORGANIZATION TECHNICAL ADVISORY COMMITTEE

Tuesday, May 12, 2020

9:00 a.m.

Please join the meeting from your computer, tablet or smartphone.

<https://global.gotomeeting.com/join/975805677>

You can also dial in using your phone.

United States: [+1 \(786\) 535-3211](tel:+17865353211)

**Access Code:** 975-805-677

New to GoToMeeting? Get the app now and be ready when your first meeting starts:

<https://global.gotomeeting.com/install/975805677>

<b>WELCOME AND INTRODUCTIONS</b> (Smith)	<b>Page(s)</b>
I. <b><u>ROLL CALL &amp; CERTIFICATION OF A QUORUM</u></b> (Smith) ..... <b>ACTION REQUESTED</b>	1
II. <b><u>STATEMENT REGARDING VIRTUAL MEETINGS</u></b> (Smith) ..... <b>ACTION REQUESTED</b>	1-2
III. <b><u>PROCEDURES FOR ELECTRONIC MEETINGS</u></b> (Parsons) ..... <b>ACTION REQUESTED</b>	3-5
1. <b>Approval of RRTPO TAC Meeting Agenda</b> (Smith)..... <b>Action Requested</b>	–
2. <b>Approval of March 10, 2020 TAC Meeting Minutes</b> (Smith)..... <b>Action Requested</b>	6-9
3. <b>Public Comment Period – May 12, 2020 Agenda</b> (Smith/5 minutes).....	–
4. <b>TAC Chairman’s Report</b> (Smith).....	–

<b>5. RRTPO Update</b> (Parsons/10 minutes).....	11–18
a. Current Work Efforts	
b. Legislative Update	
<b>6. TIP Amendment: VDOT Request</b> (Busching/10 minutes).....	19–36
<b>Action Requested</b>	
<b>7. Draft FFY21-24 Transportation Improvement Program (TIP)</b> (Busching/10 minutes).....	37–38
<b>Action Requested</b>	
<b>8. FY20 Unified Planning Work Program (UPWP) Budget Amendment</b> (Parsons/10 minutes).....	39–43
<b>Action Requested</b>	
<b>9. FY21 Unified Planning Work Program (UPWP)</b> (Parsons/10 minutes).....	44–76
<b>Action Requested</b>	
<b>10. 2045 Long Range Growth Forecast Analysis</b> (Aryal/10 minutes).....	77
<b>11. Public Comment Period - Open</b> (Smith/5 minutes).....	–
<b>12. Future Meeting Topics</b> (Smith).....	78
<b>13. TAC Member Comments</b> (Smith/5 minutes).....	–
<b>14. Next Meeting: June 9</b> (Smith) .....	–
<b>15. Adjournment</b> (Smith) .....	–

CAP/nm  
Attachments

pc:	John H. Hodges, RRTPO policy board Chair	Ron Svejkovsky, Tri-Cities MPO
	Herbert A. Richwine, CTAC Chair	Martha Heeter, PlanRVA
	Richard Duran, FHWA	TAC Interested Parties
	Daniel Koenig, FTA Liaison	Area News Media
	Jennifer DeBruhl, DRPT	

## **Opening Statement for Electronic Meetings**

### **I. ROLL CALL & CERTIFICATION OF A QUORUM**

We ask that everyone identify themselves first when speaking so we can more accurately record the activities of the meeting. All lines have been muted by the administrator to minimize additional noise and feedback. You may unmute your line at any time to request acknowledgement from the chair. Staff will be monitoring the chat throughout the meeting to assure we do not overlook anyone wishing to participate in the discussion.

I will now ask our clerk to certify we have followed the approved procedures for appropriate notice of this meeting and the means by which we are convening.

Please indicate your presence by saying “AYE” when your name is called during a roll call. Anyone who wishes to identify themselves following the roll call of members will be invited to do so.

### **II. STATEMENT REGARDING VIRTUAL MEETINGS**

Since the Governor declared the state of emergency on March 12, 2020, in response to the COVID-19 pandemic, state and local governmental bodies have been providing for the continuity of government by meeting remotely by telephonic or electronic means in compliance with the Virginia Freedom of Information Act, the Commonwealth’s emergency and other applicable laws, guidance provided by the Attorney General, and their respective legal counsel.

On April 22<sup>nd</sup>, the General Assembly approved a budget amendment to authorize all public bodies, including regional bodies, such as PlanRVA and the Richmond Regional Transportation Planning Organization, likewise to meet by electronic means, without a physical quorum assembled together, during a Governor-declared state of emergency, as long as certain conditions are met, so as to provide for the continuity of governmental operations. This new authority is effective immediately.

The bylaws of the RRTPO define a quorum of the body to be a majority of the TAC membership, which shall include, at a minimum, four of the local government representatives. The 2020 COVID-19 virus makes it impractical and unsafe, even potentially life-threatening, for a quorum of this size to physically assemble in one location, pursuant to Va. Code § 2.2-3708.2(A)(3). Further, the virus makes it impractical and unsafe for the public, and the agency’s staff, to gather in the same location to participate in this meeting. The health, safety, and welfare of our community is of paramount importance.

Therefore, we have determined the appropriateness and eligibility to conduct today's meeting of the RRTPO electronically, pursuant to the provisions of Virginia Code § 2.2-3708.2 and related legislation approved by the General Assembly of Virginia, and in light of the Governor's State of Emergency Declaration for COVID-19.

The convening of the Richmond Regional Transportation Planning Organization (RRTPO) has been determined necessary in order to continue the necessary business of the organization. The matters included on the agenda address important/essential matters of continuing the work of government and therefore it is appropriate to convene during this time.

## **Closing**

While we do not know the exact duration of the current practice of electronic meetings, we will continue to function in this manner until such time as it is deemed advisable to return to in person meetings. At this time, we expect meetings to occur in electronic format through the current Declaration, or June 10, 2020.

RRTPO staff have provided notice of this meeting and the means by which we are virtually gathered to members of the public. Notice was provided on May 5<sup>th</sup>, 2020 through posting on the PlanRVA website and distribution of email notification to members, alternates, and known interested parties, including the media.

In order to comply with the provisions of Virginia law and to improve accessibility to the discussions intended for today, this meeting will be recorded. Audio (visual) recordings of the meeting will be posted on the PlanRVA website within 48 hours of this meeting.

Any members of the public wishing to address the RRTPO were invited to submit comments via email until the close of business one day prior to the meeting, in order to be reviewed and addressed during this meeting, if necessary. Anyone participating as an observer during the meeting today may submit comments or questions at any time during the meeting via email at [rtpoinput@planrva.org](mailto:rtpoinput@planrva.org) or by using the online chat functions of the meeting platform. Those individuals who are observing by phone may be called upon to address the RRTPO with their questions or comments. All comments and questions submitted during the meeting will be reviewed following the meeting and to the extent practical, responses may be provided or posted on the PlanRVA website.

## **Questions**

Does anyone have any questions regarding the process for assuring effective facilitation of this meeting or for how members of the public may participate?

## **Procedures for Electronic Meetings**

### **Notice of Meetings**

Notice of meetings of public bodies supported by PlanRVA will be given in accordance with applicable law and the bodies' Bylaws. In general, notice will be provided at least 10 days prior to the scheduled meeting and include the proposed agenda and meeting materials, as well as confirmation of the date and time and instructions to access the meeting. This notice will be posted on the PlanRVA website, links to which will be distributed to all members, alternates, interested parties, and our media contact lists, assuring that members of the body and the public are notified concurrently.

Contents of the Notice will include:

- a. Date and time of the meeting
- b. Electronic means by which the meeting will be held and instructions for joining the meeting as a participant or observer
- c. Method by which the meeting agenda and materials can be accessed
- d. Public participation process for meetings including the method(s) by which comments may be provided by members of the public before, during and after the meeting

•

### **Public Participation**

Members of the public are invited to participate in public meetings of PlanRVA, the RRTPO, and their respective committees. The following are new ways members of the public can participate in and follow the business of PlanRVA and the RRTPO during this time:

Anyone wishing to participate as an observer in a public meeting may do so. They should register with PlanRVA staff to get access to the meeting instructions and may sign on online or dial in by phone. Anyone wishing to submit comments prior to the meeting may do so by email. Comments received by 5 pm the business day preceding the meeting will be provided to members of the public body and included in the administrative record.

Members of the public may use the chat feature in the online platform to submit questions or comments during the meeting. These will be recorded and included in the administrative record.

Finally, agendas will be modified to offer two opportunities for members to address the bodies during the meeting: at the beginning to address members regarding agenda items and at the end to raise any other issues not included in the day's meeting agenda, as is customary.

### **Agenda Format**

In order to clearly communicate the electronic means by which the meeting will occur, the Agenda itself will include the following information, in addition to the regular order of business and discussion/action items:

- a. Notification of the electronic means for hosting the meeting including access information
  - i. *The meeting scheduled for [Month Day, Year] of the [Public Body] will be held via [Online Platform] pursuant to provisions of Virginia Code Section [§2.2-3708.2](#) and in light of the Governor's March 12, 2020 State of Emergency Declaration for COVID-19.*
- b. Public Announcement made by the presiding officer, administrator or clerk/secretary at the beginning of the meeting (template script enclosed)
- c. Certification that the procedures were followed to adequately notify the public (following certification of quorum agenda item)
- d. Roll call of those participating as a member of the body in the call and invitation to others to identify themselves
- e. Statement concerning public comments submitted via e-mail or via online meeting platforms will be shared with members of the public body and included in the agency's administrative record.
- f. Open the floor for any member of the public to address the body regarding any matter included on the agenda for the meeting
- g. *All planned agenda items*
- h. Open the floor for any member of the public to address the body regarding any matter germane to the body but not specifically included in the agenda

### **Voting**

At the appropriate time, the Chair will call upon members of the body to introduce a motion addressing the action item. Following a motion and a second, discussion may ensue, ultimately resulting in a call for a vote. Each vote taken during an electronic meeting must be a roll call vote, with each member's name and vote recorded in the minutes of the meeting.

### **Minutes**

Minutes of each meeting shall conform to the normal standards of minutes recorded for the body. Additional documentation should include:

- a. The fact that the meeting was held as an electronic meeting pursuant to the authority and reference the specific disaster Declaration;
- b. The type of electronic means by which the meeting was held; and

- c. Each member of the public body who participated in the meeting. Other participants in the meeting as observers may identify themselves and if so, will be included in the record.

In addition to written record of the meeting, audio/video recording will be posted within 48 hours of the meeting's conclusion on the PlanRVA website (along with the written records, once approved).

The body may approve the minutes of an electronic meeting at a subsequent electronic meeting or one that is held in person.

### **Expiration**

Procedures shall only take effect in the event of a State of Emergency Declaration pursuant to VA Code whereby electronic means of hosting meetings of the public body is the only practicable way to continue the conduct of the organization and achieve other objectives to protect the health, safety and welfare of the community and the body's members and staff.

**RICHMOND REGIONAL TRANSPORTATION PLANNING ORGANIZATION (RRTPO)**

**TECHNICAL ADVISORY COMMITTEE (TAC)**

**MINUTES OF MEETING**

**March 10, 2020**

**MEMBERS PRESENT**

Barbara K. Smith, Chairman.....Chesterfield County  
Nora D. Amos, Vice Chairman.....Town of Ashland  
Sulabh Aryal (Alternate).....RRPDC  
Dironna Moore Clarke.....City of Richmond  
Thomas Coleman.....Goochland County  
Tiffany Dubinsky.....DRPT  
Kelli Le Duc.....New Kent County  
Liz McAdory.....VDOT  
John O’Keeffe (Alternate).....RideFinders  
Chet Parsons.....RRPDC  
Andrew Pompei.....Powhatan County  
Sharon Smidler.....Henrico County  
Adrienne Torres.....GRTC Transit System  
Joseph E. Vidunas.....Hanover County

**ALTERNATE MEMBERS PRESENT – NOT VOTING**

Emily DelRoss (Alternate).....GRTC Transit System  
Jake Herrman (Alternate).....VDOT

**CERTIFICATION OF QUORUM**

Barbara K. Smith, TAC Chairman, called the March 10, 2020 Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) meeting to order at 9:00 a.m.

**1. Approval of Meeting Agenda**

There were no requests to amend the TAC meeting agenda and on motion of Liz McAdory, seconded by John O’Keefe, TAC unanimously approved the March 10, 2020 TAC meeting agenda.

**2. Approval of February 11, 2020 TAC Meeting Minutes**

On motion of Nora Amos, seconded by Liz McAdory, TAC unanimously approved the February 11, 2020 TAC minutes.

**3. Open Public Comment Period**

There were no requests to address TAC.

**4. TAC Chairman’s Report**

Chairman Smith had nothing to report.

**5. RRTPO Update**

Chet Parsons, RRTPO Secretary, reported as follows:

- a. Current Work Efforts – These are included under agenda item 5.a.
  - Themed “We’ll Get You Moving” representing the focus on multi-modal transportation, the annual APA Virginia Chapter conference will be in Richmond July 19-21, 2020. Staff is working with the conference planning committee with a focus now on planning mobile workshops throughout the



region. Contact Chet Parsons ([cparsons@PlanRVA.org](mailto:cparsons@PlanRVA.org)) or Barbara Jacocks ([bjacocks@PlanRVA.org](mailto:bjacocks@PlanRVA.org)) for more information.

- b. SMART SCALE Round 4: Regional Project Pre-Applications – On March 5, the RRTPO policy board took action and approved a list of 12 candidate regional projects for Smart Scale Round 4 applications. VDOT's feedback is expected to help staff make a recommendation to the policy board in terms of which 10 projects will go to the full application process. The list of candidate projects can be found on pages 7-8 in the March 10 agenda packet.
- c. ConnectRVA 2045 Outreach Update – Chet Parsons demonstrated the use of the [ConnectRVA 2045 Needs Assessment](#) webpage. The interactive Wikimap allows adding of corridors or nodes where transportation issues are experienced. Additionally, information can be shared using the LRTP Comment Form and sending feedback about a shared vision for the ideal transportation system.
- d. Transportation Alternatives Set-Aside Project Selections Update:  
Three CTB selections changed since TAC approved the allocation of FY21-FY22 Transportation Alternatives Set-Aside funding on February 11, 2020. The following selections were assigned funds to by the CTB members:
  - 2<sup>nd</sup>/3<sup>rd</sup> St bike infrastr (phase II) in the City of Richmond
  - Tredegar St transportation project in the City of Richmond
  - Lakeside Community trail (phase I) in Henrico
- e. Legislative Update – As of March 4<sup>th</sup>, [HB 1541](#) was signed by the Speaker of the House and by the President of the Senate. Next, the bill goes to Governor Ralph Northam's desk. The latest [2020 Fiscal Impact Statement](#) shows estimated revenue impacts in the amount of \$179M - \$207M generated to the fund between 2021 and 2026. RRTPO is named in the language of the bill regarding the 15% transit allocation. Staff started working with GRTC to talk about the Transit Development Plan as well as having the planning in place to support the authority.

## **6. Vision Zero Work Group**

Chet Parsons gave a summary on formation of the Vision Zero Work Group from the February 6, 2020 RRTPO policy board meeting. The RRTPO Technical Advisory Committee (TAC) is requested to select members to serve on the Vision Zero Work Group. The following TAC members volunteered to serve on this sub-committee:

- Nora D. Amos, TAC Vice Chairman (Alternate)
- Dironna Moore Clarke
- Thomas Coleman
- Liz McAdory
- Sharon Smidler
- Barbara K. Smith, TAC Chairman

On motion of Sharon Smidler, seconded by Liz McAdory, the Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) voted unanimous approval of the following resolution:

**RESOLVED**, that the Richmond Regional Transportation Planning Organization establish the RRTPO Vision Zero Work Group, consisting of representatives of the following member organizations:

- Chesterfield County
- Henrico County
- City of Richmond
- Goochland County
- Town of Ashland
- VDOT

Once established, the work group will coordinate with staff to develop its mission and goals for inclusion in the RRTPO Unified Planning Work Program for FY 2021.

**7. TIP Amendment GRTC00000 Expansion – Articulated Vehicles**

Myles Busching informed the committee that the RRTPO policy board has received a request from GRTC to amend the TIP to add a new project and purchase three articulated vehicles for expanding the Pulse’s capacity. The project receives FTA state and local funds; no RRTPO funds are involved with this project. There were no questions or comments.

The resolution was presented for TAC review and recommendation to the RRTPO policy board for approval.

On motion of Adrienne Torres, seconded by Tiffany Dubinsky, the Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) voted unanimous approval of the following resolution:

**RESOLVED**, that the Richmond Regional Transportation Planning Organization policy board amends the *FY18 – FY21 Transportation Improvement Program (TIP)* adding the following new project; and

**BE IT FURTHER RESOLVED**, that this project is considered exempt from conformity under provisions contained in section 93.126 of the conformity rule as follows:

- UPC GRTC00000: Expansion Vehicles – Articulated Vehicles – GRTC Transit System. FTA Section 5307 funds (FY21 \$672,000) will be used for this project; exempt under purchase of new buses and rail cars to replace existing vehicles or for minor expansions of the fleet.

**8. FY21 – 26 RSTP/CMAQ New Project Prioritization**

Myles Busching presented on the RSTBG program and the CMAQ program. Development of the SYIP is scheduled to occur later this year compared to recent years. The available RSTP and CMAQ funding for FY21 and projected funding for FY22 – FY26 are not yet available. Given these developments, VDOT has requested the TPO use a two-step approach to allocations for new projects this year. The first step is prioritizing projects for funding. All projects were evaluated using the criteria in the project selection guidelines by a scoring team of eight (8) people drawn from TPO staff, VDOT Richmond District staff, and DRPT staff. The Congestion Mitigation and Air Quality (CMAQ) program is a funding dedicated to improving air quality in region’s that are not (or formerly were not) in attainment with national air quality standards. The Richmond region currently

receives around \$8M each year in CMAQ funding. All of the projects were evaluated for potential reduction of ozone precursors with the help of VDOT's Environmental Division.

A discussion took place regarding prioritization, evaluation, and selection of projects for funding. Myles Busching (mbusching@PlanRVA.org) is available for questions regarding criteria used in evaluating and ranking proposed projects.

On motion of Barbara K. Smith, seconded by Liz McAdory, the Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) voted unanimous approval for the following resolution:

**RESOLVED**, that the Richmond Regional Transportation Planning Organization policy board approves the prioritization of the following project to where it scored (Rank 4):

- Route 1 (Marina Drive - Merriewood Road) Shared-Use Path in Chesterfield County with a reduced funding request in the amount of \$414,000.

On motion of Sharon Smidler, seconded by Liz McAdory, the Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) voted unanimous approval of the following resolution as amended:

**FURTHER RESOLVED**, that the Richmond Regional Transportation Planning Organization policy board approves the prioritization of new FY21 – FY26 RSTP/CMAQ projects as amended.

**\*\*A copy of the presentation given by Myles Busching is available at [FY21-FY26 RSTP/CMAQ New Project Prioritization](#)**

## 9. TAC Open Comment

- Tiffany Dubinsky reported for DRPT on the following:
  - DRPT opened the grant application period for FTA Section 5303. The due date for the FTA Section 5303 grant application has changed and is now May 31, 2020. Applications for funding for all of DRPT's grant programs must be submitted through DRPT's Online Grant Administration ([OLGA](#)) website (<https://olga.drpt.virginia.gov>). FY2020 Certifications and Assurances required to go with the application can be found in OLGA.
  - FY21-FY26 Six-Year Improvement Program (SYIP)
  - Telework Week – March 2-6, 2020

**\*\*A copy of the DRPT update is available at [DRPT Update March 10](#)**

- Liz McAdory reported for VDOT on the following:
  - Commonwealth Transportation Board (CTB) Last Meeting Update
  - SMART SCALE Round 4 (FY22-27 SYIP)
  - I-95 Corridor Study
  - I-64 Corridor Study
  - Upcoming Public Hearings/Citizen Information Meetings

- o The Virginia Department of Transportation (VDOT) moved into their new joint operations center. A new listing of contact numbers for will be distributed for your reference.

\*\* A copy of the VDOT update is available at

[VDOT Update March 10](#)

- Chet Parsons informed that the Richmond Region Tourism will host their annual National Travel and Tourism Week Awards Breakfast on Thursday, May 7th, 2020 which conflicts with the May RRTPO meeting time. If this event is a significant conflict for RRTPO members, staff will work to present a recommendation and resolution for an alternate meeting date during the April 2nd RRTPO policy board meeting.

**13. Future Meeting Topics**

Chairman Smith briefly reviewed future meeting topics.

**14. Next TAC Meeting: April 14**

Chairman Smith noted the next TAC meeting is scheduled for Tuesday, April 14 at 9:00 a.m.

**15. Adjournment: Scheduled for 9:55 a.m.**

Chairman Smith adjourned the meeting at approximately 9:00 a.m.

CAP/nm

## **Current Work Efforts Update – Item 5.a.**

### **ConnectRVA 2045 Long-Range Transportation Plan**

Staff have been working on creating a list of existing transportation issues on the Richmond region based on regional and local transportation studies, additional recommendations provided by LRTP-AC members, future transportation highway issues captured by Richmond/Tri-Cities Travel Demand and public inputs received through the ConnectRVA 2045 website and the community outreach meetings.

The draft Transportation Needs list and online interactive maps are now available for a 15-day public review and comment period, on the [project website](#). The comment period will be open until **May 20, 2020**. All comments will be provided to the LRTP-AC and RRTPO policy board before they vote for their approval.

### **Greater RVA Transit Vision Plan: Near-Term Strategic Technical Analysis**

Five corridors or corridor segments have been identified for further analysis of service alternatives with varying capital and operating costs to lay the groundwork for determining a return on investment. The GRTC staff was briefed on the preliminary cost analysis on March 3, and with the steering committee on April 3. The cost analysis will be shared with the GRTC board on May 19, and is planned for the TAC meeting in June with action requested to send to the RRTPO policy board in July.

### **Ashland Trolley Line Trail Study**

The Ashland Trolley Line Trail advisory group is working in concert with the VDOT Ashland to Petersburg Trail Study. The localities along the corridor continue to identify segments of independent utility along the conceptual 14-mile route from Ashland to the City of Richmond. Several of these segments are the subject of funding applications either through the Transportation Alternatives (TA) program or SMART Scale. Additional field visits with Dominion are being planned by Hanover and Henrico county staff. The steering committee is planning to meet with the National Park Service, Rivers, Trails, and Conservation Assistance program in early May to develop a trail design sketchbook and the scope of work for the upcoming FY21.

### **Regional Bicycle and Pedestrian Plan Update**

The story map of existing infrastructure, bike/ped features and statistics on bike/ped injuries and fatalities in the region has been completed and continues to be updated and refined. Staff has met with each locality to review their own priorities and future plans as a foundation for depicting a regional network supported by clear goals, objectives and measures of performance that define regional impact and establish a strategy for implementation. Staff continues to write and update sections of the draft document. A shared drive has been set up to enable committee members to share resources and their own observations of travel around the region on foot or bike.

### **Ashland Complete Streets Pilot Project**

Complete streets guidelines, or a “tool-box”, depicted through graphic and photographic examples are being prepared as part of the regional bike/ped plan story map. These images are intended to show specific locations where good standards have been implemented and where infrastructure improvements could incorporate

complete streets elements for better solutions throughout the region. Staff is adding an illustrated story map to accompany this effort.

#### **Active Transportation Work Group (ATWG)**

Staff has begun planning for the regular quarterly meeting of the ATWG, tentatively scheduled for June 9, 2020. Henrico County has formed their own Active Transportation work group, which is designed to advise the planning for a bicycle and pedestrian chapter of the county comprehensive plan. At Henrico's April 15 meeting, staff presented an update to efforts to update the Richmond Regional Bicycle and Pedestrian Plan and how it will advise the Long-Range Transportation Plan (LRTP).

#### **American Planning Association-Virginia Chapter Annual Conference**

Themed "We'll Get You Moving" representing the focus on multi-modal transportation, the [annual APA Virginia Chapter conference](#) will be in Richmond September 13-16, 2020. Staff continues to work with the conference planning committee now focusing on planning mobile workshops throughout the region.

#### **SMART SCALE Round 4**

Staff worked with member governments to prepare pre-application materials for our 10 (+2) allotted slots for regionally-significant projects and those applications were finalized and submitted April 17, 2020. VDOT staff will pre-screen the applications and notify applicants of screening results. At that time, staff will work with TAC and the policy board to develop the final list of ten applications for full submittal. The full application window runs from June until August 3, 2020.

#### **FY21 Unified Planning Work Program**

Staff has worked cooperatively to develop the draft FY21 UPWP, outlining the expected work tasks and efforts that will be undertaken by the agency in Fiscal Year 2021. The draft is published for review by TAC and ready for adoption by the RRTPO policy board in June.

# Central Virginia Transportation Authority

What does it mean for the region?

# The Facts:

- Passed House 65-28 & Senate 25-14
- Boundary is Planning District 15, PlanRVA
- 16 Members
  - CEO of each county, Richmond, Ashland
  - One member each of HOD, Senate
  - Ex-Officio, nonvoting: CTB, VDOT, DRPT, GRTC, RMTA



# Funding mechanism:

- 0.7% retail sales & use tax and regional fuels taxes (7.6/7.7)
  - 35% regional projects benefitting PDC 15
  - 15% GRTC services benefitting PDC 15
  - 50% pro-rata to each member locality for improvement of local mobility
- All revenues deposited into Central Virginia Transportation Fund
- Fuels tax starts July 1, 2020 – Sales & use tax starts October 2020

# Revenue Projections:

Fiscal Year	Motor Fuels Sales Tax Revenue	0.7% Additional Sales & Use Tax Revenue	Total New Revenue
2021	\$47,093,109	\$132,404,673	\$179,497,782
2022	\$51,405,817	\$146,752,525	\$198,158,342
2023	\$51,151,637	\$149,100,565	\$200,252,202
2024	\$50,831,338	\$151,486,174	\$202,317,512
2025	\$50,688,947	\$153,909,953	\$204,598,900
2026	\$50,726,039	\$156,372,512	\$207,098,551

# Revenue Split:

Fiscal Year	CVTA	Transit Services	Localities	Total New Revenue
2021	\$62,824,224	\$26,924,667	\$89,748,891	\$179,497,782
2022	\$69,355,420	\$29,723,751	\$99,079,171	\$198,158,342
2023	\$70,088,271	\$30,037,830	\$100,126,101	\$200,252,202
2024	\$70,811,129	\$30,347,627	\$101,158,756	\$202,317,512
2025	\$71,609,615	\$30,689,835	\$102,299,450	\$204,598,900
2026	\$72,484,493	\$31,064,783	\$103,549,276	\$207,098,551

# Governor's Recommendations

- Prioritization process based on an objective and quantifiable analysis that considers the benefits of projects relative to their cost
- Evaluate the governance structure of transit service in the Richmond region, including the evaluation of establishing a transportation district
- Delay on collection of sales & use tax until October 2020.

## **RRTPO TAC AGENDA 5/12/20; ITEM 6.**

### **FY18 – FY21 TIP AMENDMENTS: VDOT REQUEST**

#### **Richmond Regional Transportation Planning Organization**

**REQUESTED ACTION:** Review and recommend to the Richmond Regional Transportation Planning Organization (RRTPO) policy board requests from VDOT to amend the FY18 – FY21 Transportation Improvement Program (TIP) to add 11 new projects and to revise one existing project and one project grouping (TAC Agenda 4/14/20; ITEM 8.). A twelfth new project has also been submitted since the initial report and is included for review.

**BACKGROUND:** The RRTPO policy board has received requests from VDOT to amend the TIP to add 12 new projects and to revise one existing project and one project grouping. Amendment details are outlined below:

#### **12 New Projects:**

- UPC 116597: #I95 CIP Project Refinement - Statewide. Fed AC Other funds (FY20 \$1,000,000) for PE phase.
- UPC 116651: #I95 CIP CCTV Program UPC Funding Source Only – Statewide. Fed AC Other funds (FY20 \$15,605,683) for PE phase.
- UPC 116652: #I95 CIP Changeable Message Signs Program UPC – Statewide. Fed AC Other funds (FY20 \$3,240,000) for PE phase.
- UPC 116653: #I95 CIP Safety Service Patrols Program UPC – Statewide. Fed AC Other funds (FY20 \$4,100,000) for PE phase.
- UPC 116654: #I95 CIP Trip Towing Program UPC – Statewide. Fed AC Other funds (FY20 \$2,200,000) for PE phase.
- UPC 116655: #I-95 CIP Towing Program-Program UPC, Statewide. \$1,200,000 Fed AC Other funds (FY20 \$1,200,000) for PE phase.
- UPC 116656: #I95 CIP Variable Speed Limits Program UPC – Statewide. Fed AC Other funds (FY20 \$15,144,615) for PE phase.
- UPC 116657: #I95 CIP Ramp Metering Program UPC – Statewide. AC Other funds (FY20 \$5,700,000) for PE phase.
- UPC 116658: #I95 CIP Geofenced Emergency Notifications Program UPC – Statewide. Fed AC Other funds (FY20 \$200,000) for PE phase.
- UPC 116659: #I95 CIP Advanced Work Zone Technology Program UPC – Statewide. Fed AC Other funds (FY20 \$1,000,000) for PE phase.
- UPC 116660: #I95 CIP Regional Multimodal Mobility Program UPC – Statewide. Fed AC Other funds (FY20 \$5,400,000) for PE phase.
- UPC 116661: #I95 CIP Corridor Tech Improvements Program UPC – Statewide. Fed AC Other funds (FY20 \$4,300,000) for PE phase.

#### **One Existing Project:**

- UPC 109260: Hanover County Pole Green Rd Widening from Bell Creek Road to Rural Point Road. AC/ AC Conversion funds (\$1,600,000) for PE phase.

**One Project Grouping:**

- UPC RRTPO000: Maintenance: Preventive Maintenance for Bridge; Grouping - Districtwide. BR, NHS/NHPP, STP/STBG funds (\$49,044,410) will be used.

**TAC ACTION REQUESTED:** The following resolution is presented for TAC review and recommendation to the RRTPO policy board for approval:

**RESOLVED**, that the Richmond Regional Transportation Planning Organization policy board amends the *FY18 – FY21 Transportation Improvement Program (TIP)* adding the following 12 new projects and amend one existing project and one project grouping; and

**BE IT FURTHER RESOLVED**, that these projects are considered exempt from conformity under provisions contained in section 93.126 of the conformity rule as follows:

**11 New Projects:**

- UPC 116597: #I95 CIP Project Refinement - Statewide. Fed AC Other funds (FY20 \$1,000,000) for PE phase. - **Other**
- UPC 116651: #I95 CIP CCTV Program UPC Funding Source Only – Statewide. Fed AC Other funds (FY20 \$15,605,683) for PE phase. - **Safety**
- UPC 116652: #I95 CIP Changeable Message Signs Program UPC – Statewide. Fed AC Other funds (FY20 \$3,240,000) for PE phase. - **Other**
- UPC 116653: #I95 CIP Safety Service Patrols Program UPC – Statewide. Fed AC Other funds (FY20 \$4,100,000) for PE phase. - **Safety**
- UPC 116654: #I95 CIP Trip Towing Program UPC – Statewide. Fed AC Other funds (FY20 \$2,200,000) for PE phase. – **Safety**
- UPC 116655: #I-95 CIP Towing Program-Program UPC, Statewide. \$1,200,000 Fed AC Other funds (FY20 \$1,200,000) for PE phase. - **Safety**
- UPC 116656: #I95 CIP Variable Speed Limits Program UPC – Statewide. Fed AC Other funds (FY20 \$15,144,615) for PE phase. – **Safety**
- UPC 116657: #I95 CIP Ramp Metering Program UPC – Statewide. AC Other funds (FY20 \$5,700,000) for PE phase. - **Safety**
- UPC 116658: #I95 CIP Geofenced Emergency Notifications Program UPC – Statewide. Fed AC Other funds (FY20 \$200,000) for PE phase. - **Safety**
- UPC 116659: #I95 CIP Advanced Work Zone Technology Program UPC – Statewide. Fed AC Other funds (FY20 \$1,000,000) for PE phase. - **Safety**
- UPC 116660: #I95 CIP Regional Multimodal Mobility Program UPC – Statewide. Fed AC Other funds (FY20 \$5,400,000) for PE phase. – **Mass Transit**
- UPC 116661: #I95 CIP Corridor Tech Improvements Program UPC – Statewide. Fed AC Other funds (FY20 \$4,300,000) for PE phase. - **Safety**

**Two Existing Projects:**

- UPC RRTPO000: Maintenance: Preventive Maintenance for Bridge; Grouping - Districtwide. BR, NHS/NHPP, STP/STBG funds (\$49,044,410) will be used.
- UPC 109260: Hanover County Pole Green Rd Widening from Bell Creek Road to Rural Point Road. AC/ AC Conversion funds (\$1,600,000) will be used for PE phase.

Attachments

CAP/jl

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116597**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #I95CIP Project Refinement  
**From:** VA State line  
**To:** VA State line  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

**Phase**      **Start**      **End**      **Status**  
**Preliminary Engineering (PE):**  
**Right of Way (RW):**  
**Construction (CN):**

*No Image Available*

### Cost Estimates / Previous Obligations

**Cost Estimates**  
**PE:**  
**RW:**  
**CN:**  
**Total:** \$1,000,000

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$1,000,000	\$0

### Amendments

**Amd 84**      6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate 1,000,000 Fed AC Other funds (no match).

Date Requested 3/23/2020

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116651**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #I95CIP CCTV Program UPC-Funding Source Only  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

**Phase**      **Start**      **End**      **Status**  
**Preliminary Engineering (PE):**  
**Right of Way (RW):**  
**Construction (CN):**

*No Image Available*

### Cost Estimates / Previous Obligations

#### Cost Estimates

**PE:**  
**RW:**  
**CN:**  
**Total:** \$15,605,683

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$15,605,683	\$0

### Amendments

**Amd 85**      6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$15,605,683 Fed AC Other funds (no match).

Date Requested 3/23/2020



# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116652**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #I95CIP Changeable Message Program UPC  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

Phase	Start	End	Status
Preliminary Engineering (PE):			
Right of Way (RW):			
Construction (CN):			

*No Image Available*

### Cost Estimates / Previous Obligations

**Cost Estimates**  
**PE:**  
**RW:**  
**CN:**  
**Total:** \$3,240,000

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$3,240,000	\$0

### Amendments

**Amd 86** 6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$3,240,000 (no match).

Date Requested 3/23/2020

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116653**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #195CIP Safety Service Patrols--Program UPC  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

Phase	Start	End	Status
Preliminary Engineering (PE):			
Right of Way (RW):			
Construction (CN):			

*No Image Available*

### Cost Estimates / Previous Obligations

**Cost Estimates**  
**PE:**  
**RW:**  
**CN:**  
**Total:** \$4,100,000

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$4,100,000	\$0

### Amendments

**Amd 87** 6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$4,100,000 Fed AC Other funds (no match).

Date Requested 3/23/2020

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116654**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #I95CIP TRIP Towing-Program UPC  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

Phase	Start	End	Status
Preliminary Engineering (PE):			
Right of Way (RW):			
Construction (CN):			

*No Image Available*

### Cost Estimates / Previous Obligations

**Cost Estimates**  
**PE:**  
**RW:**  
**CN:**  
**Total:** \$2,200,000

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$2,200,000	\$0

### Amendments

**Amd 88** 6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$2,200,000 Fed AC Other funds (no match).

Date Requested 3/23/2020

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116655**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #195 CIP Towing Program-Program UPC  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

**Phase**      **Start**      **End**      **Status**  
**Preliminary Engineering (PE):**  
**Right of Way (RW):**  
**Construction (CN):**

*No Image Available*

### Cost Estimates / Previous Obligations

**Cost Estimates**  
**PE:**  
**RW:**  
**CN:**  
**Total:** \$1,200,000

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$1,200,000	\$0

### Amendments

**Amd 89**      6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$1,200,000 Fed AC Other funds (no match).

Date Requested 4/7/2020

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116656**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #I95CIP Variable Speed Limits-Program UPC  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

Phase	Start	End	Status
Preliminary Engineering (PE):			
Right of Way (RW):			
Construction (CN):			

*No Image Available*

### Cost Estimates / Previous Obligations

**Cost Estimates**  
**PE:**  
**RW:**  
**CN:**  
**Total:** \$15,144,615

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$15,144,615	\$0

### Amendments

**Amd 90** 6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$15,144,615 Fed AC Other funds (no match).

Date Requested 3/23/2020

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116657**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #I95CIP Ramp Metering Program UPC  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

**Phase**      **Start**      **End**      **Status**  
**Preliminary Engineering (PE):**  
**Right of Way (RW):**  
**Construction (CN):**

*No Image Available*

### Cost Estimates / Previous Obligations

**Cost Estimates**  
**PE:**  
**RW:**  
**CN:**  
**Total:** \$5,700,000

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$5,700,000	\$0

### Amendments

**Amd 91**      6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$5,700,000 (no match).

Date Requested 3/23/2020

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116658**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #I95CIP Geofenced Emerg Notifications-Program UPC  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

**Phase**      **Start**      **End**      **Status**  
**Preliminary Engineering (PE):**  
**Right of Way (RW):**  
**Construction (CN):**

*No Image Available*

### Cost Estimates / Previous Obligations

#### Cost Estimates

**PE:**  
**RW:**  
**CN:**  
**Total:** \$200,000

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$200,000	\$0

### Amendments

**Amd 92**      6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$200,000 Fed AC Other funds (no match).

Date Requested 3/23/2020

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116659**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #I95CIP Advanced Work Zone Technology-Program  
 UPC  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

Phase	Start	End	Status
Preliminary Engineering (PE):			
Right of Way (RW):			
Construction (CN):			

*No Image Available*

### Cost Estimates / Previous Obligations

#### Cost Estimates

**PE:**  
**RW:**  
**CN:**  
**Total:** \$1,000,000

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$1,000,000	\$0

### Amendments

**Amd 93** 6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$1,000,000 Fed AC Other funds (no match).

Date Requested 3/23/2020



# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116660**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #I95CIP Regional Multimodal Mobility-Program UPC  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

**Phase**      **Start**      **End**      **Status**  
**Preliminary Engineering (PE):**  
**Right of Way (RW):**  
**Construction (CN):**

*No Image Available*

### Cost Estimates / Previous Obligations

**Cost Estimates**  
**PE:**  
**RW:**  
**CN:**  
**Total:** \$5,400,000

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$5,400,000	\$0

### Amendments

**Amd 94**      6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$5,400,000 Fed AC Other funds (no match).

Date Requested 3/23/2020

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Interstate/VDOT

**UPC 116661**

**Jurisdiction:** Statewide  
**Route/Street:**  
**Description:** #I95CIP Corridor Tech Improvements-Program UPC  
**From:** Various  
**To:** Various  
**System:** Interstate  
**Administered By:** VDOT  
**MPO Note:**



### Schedule

Phase	Start	End	Status
Preliminary Engineering (PE):			
Right of Way (RW):			
Construction (CN):			

*No Image Available*

### Cost Estimates / Previous Obligations

**Cost Estimates**  
**PE:**  
**RW:**  
**CN:**  
**Total:** \$4,300,000

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	Fed AC Other	\$0	\$0	\$0	\$4,300,000	\$0

### Amendments

**Amd 95** 6/4/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$4,300,000 Fed AC Other funds (no match).

Date Requested 3/23/2020

**Richmond MPO**  
Project Groupings

GROUPING		Maintenance : Preventive Maintenance and System Preservation				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
CN	Federal - NHS/NHPP	\$0	\$51,584,671	\$49,840,662	\$8,194,023	\$65,063,046
	Federal - STP/STBG	\$0	\$12,968,090	\$12,529,656	\$19,317,021	\$16,356,476
CN TOTAL		\$0	\$64,552,761	\$62,370,318	\$27,511,044	\$81,419,522

**Adj #106; Adjustment Date 1/8/2020; Maintenance : Preventive Maintenance and System Preservation. 1). Revise FY20 Federal-NHS/NHPP CN funds from \$64,777,681 to \$8,194,023. 2). Revise FY20 Federal-STP/STBG CN funds from \$16,284,737 to \$19,317,021. 3). Revise FY20 CN Total from \$81,062,418 to \$27,511,044.**

GROUPING		Maintenance : Preventive Maintenance for Bridges				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
CN	Federal - BR	\$0	\$2,465,851	\$2,382,484	\$0	\$3,110,144
	Federal - NHS/NHPP	\$0	\$0	\$0	\$10,184,665	\$0
	Federal - STP/STBG	\$0	\$1,922,953	\$1,857,941	\$24,694,977	\$2,425,395
CN TOTAL		\$0	\$4,388,804	\$4,240,425	\$34,879,642	\$5,535,539

**Adj #107; Adjustment Date 1/8/2020; Maintenance : Preventive Maintenance for Bridges. 1). Eliminate \$3,096,503 FY20 CN Federal- BR funds. 2). Add \$1,000,000 Federal-NHS/NHPP CN funds to FY20. 3). Revise FY20 CN Federal-STP/STBG funds from \$2,414,757 to \$24,294,977. 4). Revise FY20 CN Total from \$5,511,260 to \$25,294,977.**

**Amd #96; 6/4/2020; 1). Base on TPO approval, revise FY20 NHS/NHPP funds from \$1,000,000 to 10,184,665; and FY20 STP/STBG funds from \$24,294,977 to \$24,694,977.**

GROUPING		Maintenance : Traffic and Safety Operations				
PROGRAM NOTE		Funding identified to be obligated districtwide as projects are identified.				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
CN	Federal - STP/STBG	\$0	\$5,976,034	\$5,773,992	\$7,079,990	\$7,537,491

**Adj #108; Adjustment Date 1/8/2020; Maintenance : Traffic and Safety Operations. 1). Revise FY20 CN Federal-STP/STBG funds from \$7,504,431 to \$7,079,990.**

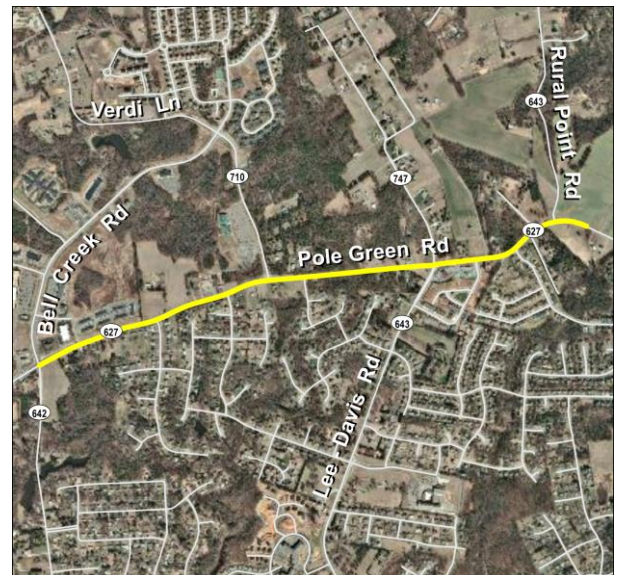
GROUPING		Transit :				
ROUTE/STREET					TOTAL COST	
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
		\$0	\$0	\$0	\$0	\$0

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Hanover

**UPC 109260**

**Jurisdiction:** Hanover County  
**Route/Street:** 627/Pole Green Road  
**Description:** Pole Green Rd Widening - PE Only  
**From:** Bell Creek Road  
**To:** Rural Point Road  
**System:** Secondary  
**Administered By:** Locally  
**MPO Note:** Project details and schedule may be revised



### Schedule

Phase	Start	End	Status
Preliminary Engineering (PE):			
Right of Way (RW):			
Construction (CN):			

### Cost Estimates / Previous Obligations

Cost Estimates	Previous Obligations
PE:	Fund Source
RW:	Obligation
CN:	
Total: \$20,000,000	TOTAL \$0

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	AC CONVERSION	\$320,000	\$0	\$0	\$0	\$1,280,000
PE AC	AC	\$320,000	\$0	\$0	\$1,280,000	\$0

### Amendments

**Amd 97** 6/4/2020 Approved

- 1). Revise cost from \$720,000 to \$20,000,000. 2). Add PE phase to FY20 and obligate \$1,280,000 PE AC funds (match \$320,000).
- 3). Add PE phase to FY21 and obligate \$1,280,000 PE AC Conversion funds (match \$320,000). 3). Eliminate FY18 \$576,000 RSTP (match \$144,000).

Date Requested 3/20/2020

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Project Amendments - Tracking Records

<b>Amd 84</b>	<b>116597</b>	<b>Statewide</b>	<b>#I95CIP Project Refinement</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate 1,000,000 Fed AC Other funds (no match). Date Requested 3/23/2020	
<b>Amd 85</b>	<b>116651</b>	<b>Statewide</b>	<b>#I95CIP CCTV Program UPC-Funding Source Only</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$15,605,683 Fed AC Other funds (no match). Date Requested 3/23/2020	
<b>Amd 86</b>	<b>116652</b>	<b>Statewide</b>	<b>#I95CIP Changeable Message Program UPC</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$3,240,000 (no match). Date Requested 3/23/2020	
<b>Amd 87</b>	<b>116653</b>	<b>Statewide</b>	<b>#I95CIP Safety Service Patrols--Program UPC</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$4,100,000 Fed AC Other funds (no match). Date Requested 3/23/2020	
<b>Amd 88</b>	<b>116654</b>	<b>Statewide</b>	<b>#I95CIP TRIP Towing-Program UPC</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$2,200,000 Fed AC Other funds (no match). Date Requested 3/23/2020	
<b>Amd 89</b>	<b>116655</b>	<b>Statewide</b>	<b>#I95 CIP Towing Program-Program UPC</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$1,200,000 Fed AC Other funds (no match). Date Requested 4/7/2020	
<b>Amd 90</b>	<b>116656</b>	<b>Statewide</b>	<b>#I95CIP Variable Speed Limits-Program UPC</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$15,144,615 Fed AC Other funds (no match). Date Requested 3/23/2020	
<b>Amd 91</b>	<b>116657</b>	<b>Statewide</b>	<b>#I95CIP Ramp Metering Program UPC</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$5,700,000 (no match). Date Requested 3/23/2020	
<b>Amd 92</b>	<b>116658</b>	<b>Statewide</b>	<b>#I95CIP Geofenced Emerg Notifications-Program UPC</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$200,000 Fed AC Other funds (no match). Date Requested 3/23/2020	
<b>Amd 93</b>	<b>116659</b>	<b>Statewide</b>	<b>#I95CIP Advanced Work Zone Technology-Program UPC</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$1,000,000 Fed AC Other funds (no match). Date Requested 3/23/2020	

# FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

## Project Amendments - Tracking Records

<b>Amd 94</b>	<b>116660</b>	<b>Statewide</b>	<b>#I95CIP Regional Multimodal Mobility-Program UPC</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$5,400,000 Fed AC Other funds (no match). Date Requested 3/23/2020	
<b>Amd 95</b>	<b>116661</b>	<b>Statewide</b>	<b>#I95CIP Corridor Tech Improvements-Program UPC</b>
6/4/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$4,300,000 Fed AC Other funds (no match). Date Requested 3/23/2020	
<b>Amd 96</b>	<b>RRTP0000</b>	<b>Multi-jurisdictional: Ric</b>	<b>Maintenance: Preventive Maintenance for Bridges</b>
6/4/2020	Approved	1). Revise FY20 NHS/NHPP funds from \$1,000,000 to \$10,184,665; and FY20 STP/STBG funds from \$24,294,977 to \$24,694,977. NOTE--Grouping Summary Table for Maintenance for Bridges. Date Requested 3/23/2020	
<b>Amd 97</b>	<b>109260</b>	<b>Hanover County</b>	<b>Pole Green Rd Widening - PE Only</b>
6/4/2020	Approved	1). Revise cost from \$720,000 to \$20,000,000. 2). Add PE phase to FY20 and obligate \$1,280,000 PE AC funds (match \$320,000). 3). Add PE phase to FY21 and obligate \$1,280,000 PE AC Conversion funds (match \$320,000). 3). Eliminate FY18 \$576,000 RSTP (match \$144,000). Date Requested 3/20/2020	

## **TAC AGENDA 05/12/20; ITEM 7.**

### **DRAFT FFY 21 – 24 TRANSPORTATION IMPROVEMENT PROGRAM (TIP)**

#### **Richmond Regional Transportation Planning Organization**

**REQUESTED ACTION:** Review the draft *FY21-FY24 Transportation Improvement Program* (TIP) and provide a recommendation to the RRTPO policy board. (TAC Agenda 4/14/20; ITEM 9.).

**BACKGROUND:** The Transportation Improvement Program (TIP) is a federally mandated requirement (49 U.S.C. § 5303(j)) for all metropolitan planning organizations (MPOs). The TIP, also known as a short-range plan, lists all transportation projects in an MPO's metropolitan planning area that seek federal transportation funding within a four-year planning horizon. The TIP is complementary to the long-range transportation plan (LRTP), that plans on at least a twenty-year horizon. The TIP is required to be updated to coincide with the update of the Statewide Transportation Improvement Program (STIP). Staff has worked with VDOT, DRPT, GRTC, and human services providers to develop the project list and planned obligations for the TIP.

The draft TIP largely follows the organization of the current adopted TIP. The financial plan has been moved toward the front of the plan to better reflect the fiscal constraints on project selection. The ungrouped projects have been reorganized by system rather than jurisdiction to emphasize the regional, systems-approach to transportation planning. Within each system, projects are organized alphabetically by jurisdiction and then numerically by Universal Product Code (UPC), a number assigned by VDOT to track a project from start to finish. For transit projects, a STIP code is used in place of the UPC.

**PUBLIC PARTICIPATION:** Consistent with the former Public Participation Plan, the RRTPO conducted a public comment period from February 18 through April 3, 2020. The comment period was advertised in the Richmond Free Press and Richmond Times Dispatch. The draft document was provided to local governments and transit agencies and made available online.

Due to the outbreak of COVID-19 and the social distancing guidance from the Virginia Department of Health and federal government, the scheduled open house on March 17<sup>th</sup> was cancelled. Project maps and comment forms were made available on the website and shared via social media and email to interested parties. No comments were received during the comment period. A summary of outreach efforts is included in an appendix to the TIP.

**SELF-CERTIFICATION:** In addition to adopting the TIP for the next four years, MPOs are required to adopt a resolution of self-certification to be submitted to FHWA and FTA concurrently with the TIP pursuant to federal regulation (23 CFR § 450.336). This self-certification, included in the resolution below, certifies compliance with federal law and regulations related to transportation planning.

**TAC ACTION REQUESTED:** The following resolution is presented for TAC review and recommendation to the RRTPO policy board for approval:

**RESOLVED**, that the Richmond Regional Transportation Planning Organization policy board adopts the FY21-FY24 Transportation Improvement Program as presented.

**FURTHER RESOLVED**, that the Virginia Department of Transportation and the Richmond Area Metropolitan Planning Organization for the Richmond, Virginia Urbanized Area, hereby certify that in accordance with 23 Code of Federal Regulations Part 450 Section 336 Self-certification and Federal certifications, the metropolitan transportation planning process is being carried out in accordance with all applicable requirements including:

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

Attachment by digital link: [Draft FY21-FY24 Transportation Improvement Program](#)

MAB



## **RRTPO TAC AGENDA 05/12/20; ITEM 8.**

### **FY20 UNIFIED PLANNING WORK PROGRAM (UPWP) BUDGET AMENDMENT Richmond Regional Transportation Planning Organization**

**REQUESTED ACTION:** This item is presented for Richmond Regional Transportation Planning Organization (RRTPO) review and action to amend the FY20 Unified Planning Work Program (UPWP) budget. Following RRTPO action, the amended work program will be submitted to VDOT, DRPT, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA).

**BACKGROUND:** The FY20 Unified Planning Work Program (UPWP) is the RRTPO budget and work program for the current fiscal year that runs from July 1, 2019 through June 30, 2020. Activities programmed in the UPWP address federal and state requirements and address regional transportation planning issues and needs. Additionally, the UPWP addresses the requirements that are required as a condition for the state and region to remain eligible for federal-aid highway and transit funds. The funding sources supporting the RRTPO program activities come from federal, state and local funds.

The two primary funding sources supporting the UPWP are: FHWA/Planning funds and FTA Section 5303 funds. These two federal fund sources are matched by state and local sources on an 80% federal (FHWA and FTA) 10% state (VDOT and DRPT), and 10% local (RRPDC member dues and RRTPO special assessment) basis. Additional funding in the UPWP includes FHWA/Regional Surface Transportation Program funds that support an on-call consultant working with the RRTPO on the development and analysis of the Regional Travel Demand Model.

#### *Program Development and Work Priorities*

As part of the UPWP development process, a summary of work tasks is prepared based on anticipated needs for the upcoming year with estimates of staff time required for each effort. These work activities are translated into corresponding budgets which are included in each section of the work program. The programmed budget includes the fund sources and the match sources. The UPWP was initially adopted by the RRTPO on June 27, 2019 and amended on December 5, 2019.

#### *End Year Work Program Review, Timing of Projects and Staffing*

Over the past five months, staff have realized areas of need for additional focus and effort that meets the needs of our partners and constituents in the community. There is a need for additional time on transit planning and coordination as well as active transportation, both of which have seen accelerated emphasis from consultant services in the third and fourth quarters.

Task 7330, Transit, has been supplemented with an additional \$56,000 from Task 7230, Contingency, and Task 7340, Active Transportation, has been supplemented with an additional \$15,000 from Task 7230, Contingency.

The items shown below are proposed to replace Figure 2 and Tables 3 & 4 in the adopted FY 2020 UPWP.

**STAFF RECOMMENDATION:** Staff recommends approval of the proposed UPWP amendment.

**RRTPO TAC ACTION REQUESTED:** The following resolution is presented for RRTPO TAC review and action:

**RESOLVED**, that the Richmond Regional Transportation Planning Organization (RRTPO) approves the amendments to the *RRTPO Fiscal Year 2020 Unified Planning Work Program* as presented.

**BE IT FURTHER RESOLVED**, that the RRTPO TAC action to amend the UPWP, as submitted, meets all requirements noted in the VDOT/RRPDC Agreement for the Utilization of Federal and State Funds to Support Metropolitan Planning in the Richmond Area as provided in Article III, Statement of Work, which includes VDOT and FHWA approval of this RRTPO action and amending the FY20 UPWP.

Attachments

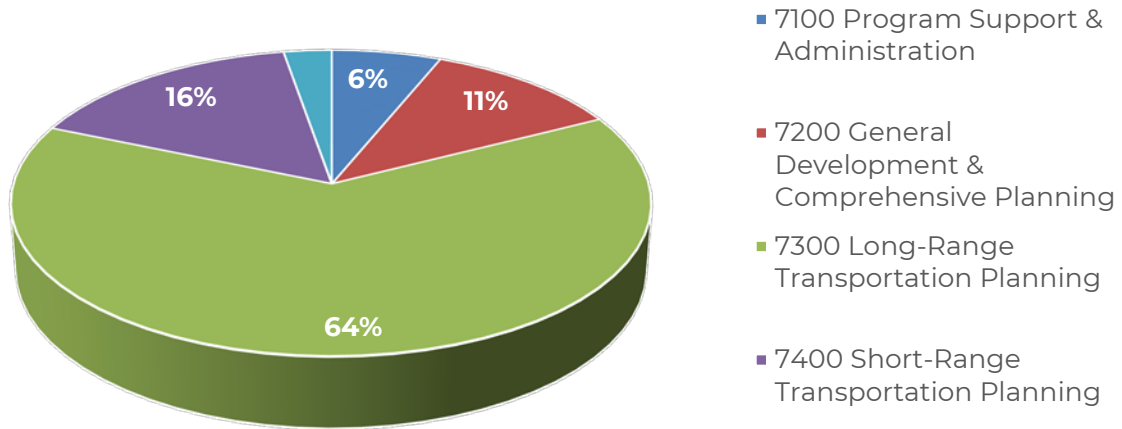
TABLE 3: SUMMARY OF FY 2020 RRTPO UPWP BUDGET

Work Task	RRTPO Budget				
	PL Approved	5303 Approved	CO 5303 Approved	OTHER (I)	GRAND TOTAL
7110 Program Management	\$ 132,000	\$ 33,000	\$ -	\$ -	\$ 165,000
7210 UPWP, Budget, and Contract Administration	\$ 24,421	\$ 22,579	\$ -	\$ -	\$ 47,000
7210 Public Outreach and Equity Analysis	\$ 97,750	\$ 17,250	\$ -	\$ -	\$ 115,000
7220 Special Planning Efforts	\$ 99,000	\$ -	\$ -	\$ -	\$ 99,000
7230 Contingency Funding	\$ 38,858	\$ -	\$ -	\$ -	\$ 38,858
7310 Metropolitan Transportation Plan	\$ 242,096	\$ 60,524	\$ 109,408	\$ -	\$ 412,028
7320 Travel Demand Modeling & Emission Analysis	\$ 218,500	\$ 11,500	\$ -	\$ 250,000	\$ 480,000
7330 Transit	\$ 171,500	\$ 259,170	\$ 10,330	\$ -	\$ 441,000
7340 Active Transportation- Bicycle & Pedestrian	\$ 193,500	\$ 31,500	\$ 24,000	\$ -	\$ 249,000
7350 Systems Resilience Plan	\$ 110,682	\$ -	\$ -	\$ -	\$ 110,682
7410 Performance Based Transportation Planning	\$ 97,750	\$ 17,250	\$ -	\$ -	\$ 115,000
7420 Financial Programming/ Transportation Improvement Program	\$ 282,625	\$ 14,875	\$ -	\$ -	\$ 297,500
7430 Rail, Freight & Intermodal Planning	\$ 4,200	\$ 6,300	\$ -	\$ -	\$ 10,500
7510 Rural Transportation	\$ -	\$ -	\$ -	\$ 72,500	\$ 72,500
TOTAL (\$)	\$ 1,712,882	\$ 473,948	\$ 143,738	\$ 322,500	\$ 2,653,068

Updated work tasks

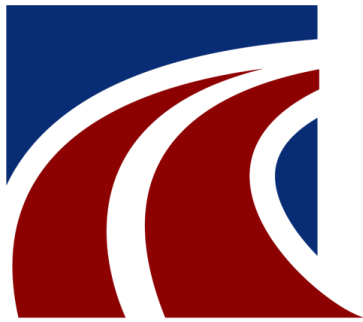
(I) 7320 funds are RSTBG funds for travel demand model development & 7510 funds are PlanRVA allocated rural transportation funds shown for reference

FIGURE 2: FY 2020 TOTAL RRTPO BUDGET BY TASK



Work Task	RRTPO Budget																
	PL				5303				CO 5303				OTHER (I)				GRAND TOTAL
	Federal	State	Local	Total	Federal	State	Local	Total	Federal	State	Local	Total	Federal	State	Local	Total	
7110 Program Management	\$ 105,600	\$ 13,200	\$ 13,200	\$ 132,000	\$ 26,400	\$ 3,300	\$ 3,300	\$ 33,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,000
7210 UPWP, Budget, and Contract Administration	\$ 19,537	\$ 2,442	\$ 2,442	\$ 24,421	\$ 18,063	\$ 2,258	\$ 2,258	\$ 22,579	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 47,000
7210 Public Outreach and Equity Analysis	\$ 78,200	\$ 9,775	\$ 9,775	\$ 97,750	\$ 13,800	\$ 1,725	\$ 1,725	\$ 17,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 115,000
7220 Special Planning Efforts	\$ 79,200	\$ 9,900	\$ 9,900	\$ 99,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 99,000
7230 Contingency Funding	\$ 31,086	\$ 3,886	\$ 3,886	\$ 38,858	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 38,858
7310 Metropolitan Transportation Plan	\$ 193,677	\$ 24,210	\$ 24,210	\$ 242,096	\$ 48,419	\$ 6,052	\$ 6,052	\$ 60,524	\$ 87,526	\$10,941	\$10,941	\$109,408	\$ -	\$ -	\$ -	\$ -	\$ 412,028
7320 Travel Demand Modeling & Emission Analysis	\$ 174,800	\$ 21,850	\$ 21,850	\$ 218,500	\$ 9,200	\$ 1,150	\$ 1,150	\$ 11,500	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ 50,000	\$ -	\$250,000	\$ 480,000
7330 Transit	\$ 137,200	\$ 17,150	\$ 17,150	\$ 171,500	\$ 207,336	\$ 25,917	\$ 25,917	\$ 259,170	\$ 8,264	\$ 1,033	\$ 1,033	\$ 10,330	\$ -	\$ -	\$ -	\$ -	\$ 441,000
7340 Active Transportation- Bicycle & Pedestrian	\$ 154,800	\$ 19,350	\$ 19,350	\$ 193,500	\$ 25,200	\$ 3,150	\$ 3,150	\$ 31,500	\$ 19,200	\$ 2,400	\$ 2,400	\$ 24,000	\$ -	\$ -	\$ -	\$ -	\$ 249,000
7350 Systems Resilience Plan	\$ 88,546	\$ 11,068	\$ 11,068	\$ 110,682	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,682
7410 Performance Based Transportation Planning	\$ 78,200	\$ 9,775	\$ 9,775	\$ 97,750	\$ 13,800	\$ 1,725	\$ 1,725	\$ 17,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 115,000
7420 Financial Programming/ Transportation Improvement Program	\$ 226,100	\$ 28,263	\$ 28,263	\$ 282,625	\$ 11,900	\$ 1,488	\$ 1,488	\$ 14,875	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 297,500
7430 Rail, Freight & Intermodal Planning	\$ 3,360	\$ 420	\$ 420	\$ 4,200	\$ 5,040	\$ 630	\$ 630	\$ 6,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,500
7510 Rural Transportation	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58,000	\$ 14,500	\$ 72,500	\$ 72,500
TOTAL (\$)	\$ 1,370,306	\$ 171,288	\$ 171,288	\$1,712,882	\$ 379,158	\$ 47,395	\$ 47,395	\$473,948	\$ 114,990	\$14,374	\$14,374	\$ 143,738	\$ 200,000	\$108,000	\$ 14,500	\$ 322,500	\$ 2,653,068

(I) 7320 funds are RSTBG funds for travel demand model development, 7510 funds are PlanRVA allocated rural transportation funds shown for reference



Richmond Regional  
**Transportation  
Planning  
Organization**

UNIFIED PLANNING WORK PROGRAM

FISCAL YEAR 2021

July 1, 2020 – June 30, 2021

Richmond Regional Transportation Planning Organization

**DRAFT**

SUPPORTED BY **PlanRVA**  
THE REGIONAL  
COMMISSION

**ACKNOWLEDGMENTS** This report was prepared by the Richmond Regional Planning District Commission (PlanRVA) staff through a cooperative process involving the City of Richmond, Counties of Charles City, Chesterfield, Goochland, Hanover, Henrico, New Kent and Powhatan, the Town of Ashland, the Virginia Department of Transportation (VDOT), the Virginia Department of Rail and Public Transportation (DRPT), the Virginia Department of Aviation, the Capital Region Airport Commission, GRTC Transit System, the Richmond Metropolitan Transportation Authority, the Federal Highway Administration (FHWA), the Federal Transit Administration (FTA), PlanRVA and RideFinders, Inc., on behalf of the Richmond Regional Transportation Planning Organization (RRTPO). The contents of this work program reflect the views of the RRTPO. PlanRVA staff is responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the FHWA, FTA, VDOT, DRPT or PlanRVA. This document does not constitute a standard, specification, or regulation. FHWA, FTA, VDOT, or DRPT acceptance of this document as evidence of fulfillment of the objectives of this work program does not constitute endorsement/approval of the need for any recommended improvements nor does it constitute approval of their location and design or a commitment to fund any such improvements. Additional project level environmental impact assessments and/or studies of alternatives may be necessary.

**NONDISCRIMINATION** The Richmond Regional Transportation Planning Organization (RRTPO) fully complies with Title VI of the Civil Rights Act of 1964 and related statutes and regulations in all programs and activities. The RRTPO will strive to provide reasonable accommodations and services for persons who require special assistance to participate in this public involvement opportunity. For more information on meeting accessibility, or to obtain a Title VI Complaint Form, see [www.planrva.org](http://www.planrva.org) or call the Title VI Coordinator at 804- 323-2033.

**NO DISCRIMINACIÓN** Aviso de Título VI abreviado al público: El Organización de Planeación Regional de Transporte de Richmond (RRTPO) cumple con el Título VI de la Ley de los Derechos Civiles de 1964 y con los estatutos y regulaciones relacionadas en todos los programas y actividades. RRTPO se esforzara en proveer acomodaciones razonables y servicios para personas que requieran asistencia especial para participar en esta oportunidad pública. Para más información sobre accesibilidad a la reunión o para obtener los documentos de reclamación del Título VI, entre a la página web ([www.planrva.org](http://www.planrva.org)) o llame al Coordinador del Título VI en 804-323-2033.

## Table of Contents

INTRODUCTION .....	1
The Unified Planning Work Program (UPWP) .....	1
PlanRVA and the RRTPO Planning Process .....	1
Work Program Priorities .....	2
Federal Certification Review Comments, FAST Act and Other USDOT Priorities .....	2
Continuation of Existing Work Efforts .....	2
FY21 Focal Areas .....	3
Metropolitan Planning Factors and RRTPO's FY 2021 Priorities .....	4
FISCAL YEAR 2020 ACCOMPLISHMENTS .....	6
FISCAL YEAR 2021 PROJECT TASK DESCRIPTIONS .....	9
7100 PROGRAM SUPPORT AND ADMINISTRATION .....	10
Task 7110 Program Management .....	10
Task 7120 UPWP, Budget and Contract Administration .....	11
7200 GENERAL DEVELOPMENT & COMPREHENSIVE PLANNING .....	12
Task 7210 Public Outreach & Equity Analysis .....	12
Task 7220 Special Planning Efforts .....	14
Task 7230 Contingency Funding .....	15
7300 LONG-RANGE TRANSPORTATION PLANNING .....	16
Task 7310 Long-Range Transportation Plan .....	16
Task 7320 Travel Demand Modeling & Emissions Analysis .....	17
Task 7330 Transit .....	18
Task 7340 Active Transportation: Bicycle & Pedestrian .....	19
Task 7350 System Resilience Plan .....	20
7400 SHORT-RANGE TRANSPORTATION PLANNING .....	21
Task 7410 Performance Based Transportation Planning .....	21
Task 7420 Financial Programming / Transportation Improvement Program .....	23
Task 7430 Rail, Freight and Intermodal Planning .....	24
7500 GENERAL DEVELOPMENT & COMPREHENSIVE PLANNING .....	25
Task 7510 Rural Transportation .....	25
FISCAL YEAR 2021 RRTPO STAFFING AND BUDGET .....	26
RRTPO Staff Resources .....	26
FY 2021 RRTPO budget .....	27
ACRONYM DEFINITIONS .....	29



# INTRODUCTION

## The Unified Planning Work Program (UPWP)

The purpose of the UPWP is to promote a unified regional approach to transportation planning in order to achieve regional goals and objectives. Additionally, the UPWP serves to document proposed expenditures of Federal, State and local transportation planning funds, and provides a management tool for RRTPO and the funding agencies in scheduling major transportation planning activities, milestones, and products.

The UPWP is required of all metropolitan planning organizations (MPOs) as a condition to receiving federal funds. RRTPO is the federally designated MPO for the Richmond region and consists of the member governments as shown in Figure 1.

The goal of the UPWP is a well-functioning process and program that meets the federal and state transportation planning requirements. This effort involves the public, interested parties, and the RRTPO in developing a multi-modal, continuing, comprehensive, and cooperative transportation planning and programming process. A requirement of Section 450.308(c) of the Metropolitan Planning regulations is that Transportation Management Area (TMA) designated MPOs shall include a discussion of the planning priorities facing the metropolitan planning area. Further discussion of these priorities is provided in the various work tasks.

The UPWP is the RRTPO's budget and work program for the upcoming fiscal year which begins on July 1, 2020 and concludes on June 30, 2021. The UPWP addresses federal/state planning and programming requirements, addresses regional transportation planning issues and needs, and includes activities required for the state and region to remain eligible for federal-aid highway and transit funds. The funding sources supporting the RRTPO program activities come from federal, state and local funds.

## PlanRVA and the RRTPO Planning Process

The FY21 UPWP continues to be organized with four core program areas: Program Management, Transportation Planning, Data and Analysis, and Financial Programs. Program Management is the policy, management and operations platform that supports the remaining three program areas. The program objectives, work elements, responsibilities, budgets, products and schedules are included within each core program area. In addition to grouping work tasks into four core areas, an effort has been made to identify how work tasks in each section correlate to the goals approved by the RRTPO in *plan2040*, the regional Long-Range Transportation Plan. The appendices consolidate information necessary to understanding and implementing the RRTPO program requirements.

As in past UPWP documents, there are work tasks that are included primarily as “project monitoring”; which means the RRTPO is a participating partner in the effort, but the designated lead role is undertaken by another agency or organization such as the Greater Richmond Transit Company (GRTC), DRPT or VDOT. FTA requires that projects and studies receiving FTA funding be included in the UPWP; this is not a requirement shared by FHWA. All partners are provided the opportunity to incorporate project updates into the work task which those organizations or agencies lead.

The two primary funding sources supporting the work program are FHWA/PL funds and FTA Section 5303 funds. These funds are matched by state and local sources on an 80% federal (FHWA and FTA) 10% state (VDOT and DRPT), and 10% local (PlanRVA) basis. Additional funding includes FHWA/RSTP which are matched by state sources with 80% federal funding (FHWA) and 20% state funding (VDOT). The FHWA/PL funding allocations for FY 20 from VDOT and the FTA 5303 funding allocations from DRPT have been received.

## Work Program Priorities

The RRTPO-approved FY21 UPWP priorities focus on fully addressing the recommendations from the August 2017 federal certification report, completing existing work tasks that span from FY20 into FY21, and advancing new initiatives. These priorities are outlined below.

### Federal Certification Review Comments, FAST Act and Other USDOT Priorities

- Continue to address recommendations and corrective actions from the August 2017 certification report, including a simpler schedule and results oriented approach to the UPWP with clear indications of responsible parties for work tasks - **Complete**
- Execution of revised agreements on statewide planning and MPO Coordination between the RRTPO, the Tri-Cities MPO and partners - **Complete**
- Incorporate as appropriate, USDOT Every Day Counts analytical tools, public engagement strategies, planning and design considerations, and operational improvements into work program tasks and elements.

### Continuation of Existing Work Efforts

- Continue development of *ConnectRVA 2045*, the Long-Range Transportation Plan for the Richmond Region
- Continue to develop the Regional Travel Demand Model to support transportation planning, research and analysis, including small area, sub-area, corridor and scenario planning tasks

- Continue the regional conversation on transit and how to best meet the needs of the region
- Continue the regional conversation on developing bicycle and pedestrian facilities with local, regional, state and national partners.

## **FY21 Focal Areas**

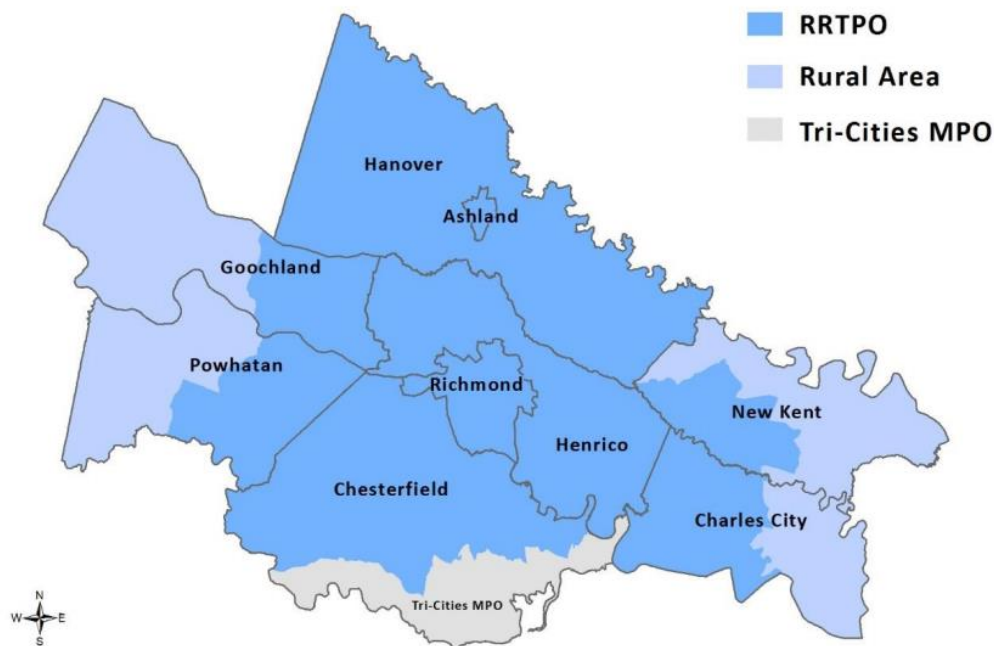
- Development of a new Long Range Transportation Plan with emphasis on scenario planning, performance measures, and increased opportunity for public engagement.
- Be a resource for the newly-created Central Virginia Transportation Authority. In that regard, staff will work to complete Phase 2 of the Transit Vision Plan that focuses on *Critical First Steps* for high frequency service as identified in the Transit Vision Plan. Staff will collaborate with GRTC to develop a plan for regional public transportation as outlined in HB 1541. Staff will develop a prioritization process linked to *ConnectRVA 2045* that informs CVTA members of regional priorities.
- Provide a forum to discuss active transportation and its benefit to the region, including the Ashland-to-Petersburg Trail, multi-purpose regional trail development and connections between home, work, and recreation.

### **The UPWP fulfills the federal requirement under 23 CFR §450.308:**

*(b) An MPO shall document metropolitan transportation planning activities performed with funds provided under title 23 U.S.C. and title 49 U.S.C. Chapter 53 in a unified planning work program (UPWP)...*

*(c) . . . each MPO, in cooperation with the State(s) and public transportation operator(s), shall develop a UPWP that includes a discussion of the planning priorities facing the MPA. The UPWP shall identify work proposed for the next 1- or 2-year period by major activity and task (including activities that address the planning factors in §450.306(b)), in sufficient detail to indicate who (e.g., MPO, State, public transportation operator, local government, or consultant) will perform the work, the schedule for completing the work, the resulting products, the proposed funding by activity/task, and a summary of the total amounts and sources of Federal and matching funds.*

Figure 1. Richmond Regional Transportation Planning Organization



## Metropolitan Planning Factors and RRTPO's FY 2021 Priorities

The 2015 *Fixing America's Surface Transportation Act (FASTACT)* continues the principles of integrated planning first set forth in 1992 with the Intermodal Surface Transportation Efficiency Act

Under the *FAST Act*, MPOs must consider ten (10) planning factors when developing transportation plans and programs.

1. Support the economic vitality of the Metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
2. Increase the safety of the transportation system for motorized and non-motorized users;
3. Increase the security of the transportation system for motorized and non-motorized users;
4. Increase the accessibility and mobility of people and freight;
5. Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
6. Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
7. Promote efficient system management and operation;

8. Emphasize the preservation of the existing transportation system
9. Improve the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation; and
10. Enhance travel and tourism.

Development of this FY 2021 UPWP has been guided by regulations requiring the RRTPO planning process to consider and implement projects, strategies, and services that address these ten Metropolitan planning factors. Each of these planning factors affects nearly every task; the degree of consideration and analysis is based on the scale and complexity of many issues, including transportation system development, land use, employment, economic development, human and natural environment, and housing and community development (23 CFR 450.306(b)). The matrix on page 9 summarizes the applicability of each Metropolitan planning factor to the 2021 work program tasks.

### **FAST Act Implementation**

RRTPO implementation efforts in 2020-2021 will focus on (1) improving public engagement; (2) developing performance measures; and (3) a myriad of activities that will inform the 2021 update of the long-range transportation plan, *ConnectRVA 2045*.

### **Regional Models of Cooperation**

Regional Models of Cooperation provide a framework and process for States and MPOs to develop multi-jurisdictional transportation plans and agreements to improve communication, collaboration, policy implementation, use of technology and performance management across agency boundaries. Multi-jurisdictional planning combines many perspectives to improve coordination and implement effective planning across wide geographic areas. Regional models of cooperation offer a competitive advantage by improving decision-making and saving time and money through shared resources. Examples include freight and congestion management coordination.

### **Ladders of Opportunity**

Work—Infrastructure investment creates jobs and paves the way for business, particularly small and disadvantaged business enterprises

Connect—A multimodal transportation system provides Americans with safe, reliable, and affordable connections to employment, education, healthcare, and other essential services

Revitalize—Transportation infrastructure can lift up neighborhoods and regions by attracting new opportunities, jobs, and housing

# FISCAL YEAR 2020 ACCOMPLISHMENTS

The following summarizes work produced and planning activities performed during FY 2020 to implement the approved RRTPO planning projects and consultant tasks listed below. Ongoing work program tasks, such as routine project administration, are not included in this summary and only major accomplishments are listed.

## Task 7100 Program Support & Administration

- 7110 Continued development and outreach tools using the new agency website with emphasis on public engagement and transparency. Planned and held the seventh annual RRTPO Transportation Forum in Ashland on the campus of Randolph Macon College.
- 7120 Maintained the FY20 UPWP and developed amendments as needed to account for new emphasis on work tasks and priorities. Consulted with member governments and partners to ensure work was being performed as needed.

## Task 7200 General Development & Comprehensive Planning

- 7210 Developed an all-new Public Engagement Plan to allow RRTPO to be flexible in how stakeholders can participate in the planning practice. Strengthened the role of CTAC and its ability to advise other RRTPO committees and the general public. Shifted approach to public engagement on [www.planrva.org](http://www.planrva.org) and fully embraced the use of ESRI Storymaps to communicate project work. Supported Senior Connections and other human service transportation providers to better engage their constituents.
- 7220 Worked with regional partners to provide resources and support in the development of the Central Virginia Transportation Authority. Participated in professional organizations and societies including the American Planning Association, National Association of Regional Councils, Association of MPOs, Consortium for Scenario Planning, Intelligent Transportation Society of Virginia, and others to advance staff engagement and knowledge of best practices. Worked with VDOT and partner organizations to research and advance understanding of Connected and Autonomous Vehicles and their impact on regional travel. Partnered on STARS studies, IMR reports, and arterial management plans.
- 7230 Developed a process to unify consultant contracting and RFP procedures. Worked to provide staff with tools and education for remote work and coordination with partners and constituents

## Task 7300 Long-Range Transportation Planning

- 7310 Scheduled and planned the LRTP process to achieve adoption by October 2021. Assembled the Advisory Committee (AC) to oversee the development of the plan. Created naming and brand identity for the LRTP – *ConnectRVA 2045*. Created *ConnectRVA 2045* specific outreach plan to engage and educate the public throughout the process. Created the *ConnectRVA 2045* Long Range Growth Forecast Analysis (GFA) to assist in development of the plan. Developed a web site to host public engagement

tools and share information and data. Worked with AC, public, and constituents to identify transportation-related issues that impact travel in the region. Using issues, identified uniform needs that should be addressed in the planning process. Began development of universe of projects that address identified needs. Began development of project prioritization process.

- 7320 Developed next phase of Richmond Tri-Cities (RTC) model update with consultant. Developed methodology and began work on development of economic and land use models for use in scenario planning.
- 7330 Continued development of Transit Vision Plan (Short & medium range options) with consultant and steering committee. Supported DRPT in development of the Coordinated Human Services Mobility Plan. Completed the Regional Park and Ride Investment Strategy Study. Continued coordination with GRTC and began discussion on partnering on regional transit plan.
- 7340 Maintained a vibrant and informed Active Transportation Work Group (ATWG). Completed Town of Ashland Complete Streets guidelines report and began developing toolbox of best practice examples to guide locality implementation. Supported development of Ashland to Petersburg Trail plan. Began development of Regional Bicycle and Pedestrian Plan update and components of *ConnectRVA 2045*. Actively participated with regional East Coast Greenway (ECG) partners to continue trail development.
- 7350 Began development of a resilience component for *ConnectRVA 2045*. Included resilience as a major component of the scenario planning tools in development. Completed update to bridge and culvert inventory and structural report.

#### **Task 7400 Short-Range Transportation Planning**

- 7410 Maintained Congestion Management Process data and reporting. Developed visualizations and a storymap to explain performance measures and trends to elected officials and the general public. Presented to the I-95 Corridor Coalition - RITIS-PDA Suite User Group Meeting. Guided the Policy Board in creation of a RRTPO Vision Zero Workgroup. Submitted safety measures for Federal performance measures.
- 7420 Developed and adopted the FY21-24 TIP. Maintained the current TIP and worked with partners to perform adjustments and amendments in a timely manner. Administered the RSTBG/CMAQ/TA project process. Began development of suggested guidelines, policies, and processes for an update to the RSTP/CMAQ guidance. Published FY20 Annual Listing of Obligated Projects.
- 7430 Supported I-95 / Richmond Marine Terminal / Commerce Corridor Access study.

#### **Task 7500 Rural Transportation Planning**

- 7510 Developed a New Kent County / Charles City County water resources public access plan. Developed a corridor safety plan for Route 5 / Route 155 near the courthouse in Charles City County. Developed a corridor safety plan for the courthouse village in Powhatan County.

TABLE 1. Planning Factors and Task Matrix

RRTPO FY21 UNIFIED PLANNING WORK PROGRAM		PLANNING FACTORS									
PROJECT TASKS		1	2	3	4	5	6	7	8	9	10
		Economic	Safety	Security	Accessibility	Environment	Connectivity	Management	Preservation	Storm Water	Tourism
<b>7100 PROGRAM SUPPORT AND ADMINISTRATION</b>											
Task 7110 Program Management		X	X		X		X	X			
Task 7120 UPWP, Budget and Contract Administration		X	X		X		X	X			
<b>7200 GENERAL DEVELOPMENT &amp; COMPREHENSIVE PLANNING</b>											
Task 7210 Public Outreach & Equity Analysis				X	X	X					X
Task 7230 Special Planning Efforts		X	X	X			X	X			
Task 7240 Contingency Funding				X	X	X	X	X			
<b>7300 LONG-RANGE TRANSPORTATION PLANNING</b>											
Task 7310 Long-Range Transportation Plan		X	X	X	X	X	X	X	X	X	X
Task 7320 Travel Demand Modeling & Emissions Analysis					X	X	X	X	X		
Task 7330 Transit		X	X	X	X	X	X	X	X	X	X
Task 7340 Active Transportation: Bicycle & Pedestrian		X	X	X	X	X	X	X	X	X	X
<b>7400 SHORT-RANGE TRANSPORTATION PLANNING</b>											
Task 7410 Performance Based Transportation Planning		X	X	X	X	X	X	X	X	X	X
Task 7420 Financial Programming / Transportation Improvement Program		X	X	X	X	X	X	X	X	X	X
Task 7430 Rail, Freight and Intermodal Planning		X	X	X	X	X	X	X	X	X	X
<b>7500 RURAL TRANSPORTATION PLANNING</b>											
Task 7510 Rural Transportation		X	X	X	X	X	X	X	X	X	X



## FISCAL YEAR 2021 PROJECT TASK DESCRIPTIONS

RRTPO planning activities are divided into four major planning categories taken from the Federal Transit Act, Section 5303, Metropolitan Planning Program. Funding sources for planning activities include a combination of federal transit and highway programs.

The following pages describe each task, including its purpose, agency or agencies responsible for carrying out the work, and expected results.

Table 2 lists the projects, tasks, and total cost budgeted for each project. For details, see the individual task descriptions beginning on the next page, and the FY 2021 RRTPO Budget, beginning on page 26.

TABLE 2. PROJECT CATEGORIES AND TASK BUDGET

Task Number	Title	Total Budgeted Amount
<b>7100</b>	<b>PROGRAM SUPPORT &amp; ADMINISTRATION</b>	<b>\$266,395</b>
7110	Program Management	
7120	UPWP, Budget and Contract Administration	
<b>7200</b>	<b>GENERAL DEVELOPMENT &amp; COMPREHENSIVE PLANNING</b>	<b>\$304,834</b>
7210	Public Outreach & Equity Analysis	
7220	Special Planning Efforts	
7230	Contingency Funding	
<b>7300</b>	<b>LONG-RANGE TRANSPORTATION PLANNING</b>	<b>\$1,726,861</b>
7310	Long-Range Transportation Plan	
7320	Travel Demand Modeling & Emissions Analysis	
7330	Transit	
7340	Active Transportation: Bicycle & Pedestrian	
7350	System Resilience Plan	
<b>7400</b>	<b>SHORT-RANGE TRANSPORTATION PLANNING</b>	<b>\$436,817</b>
7410	Performance Based Transportation Planning	
7420	Financial Programming / Transportation Improvement Program	
7430	Rail, Freight & Intermodal Planning	
<b>7500</b>	<b>RURAL TRANSPORTATION PLANNING</b>	<b>\$72,500</b>
7510	Rural Transportation	

# 7100 PROGRAM SUPPORT AND ADMINISTRATION

## Task 7110 Program Management

### Purpose:

1. Support the planning process and provide contract administration for federal, state, and other funding programs as appropriate.
2. Support Policy Board, Technical Advisory Committee (TAC), Community Transportation Advisory Committee (CTAC) & subcommittee meetings.

### Method:

Major work activities within this task include: developing agendas, minutes, mailings, work status reports, program management and administration; federal/state program requirements and review of related legislation; and computer program support.

PlanRVA staff serves as lead staff for RRTPO program administration with VDOT Richmond District providing support through its partnership on committees and work groups, processing quarterly bills and other requisitions, and conducting various other technical and administration support activities. VDOT State Planning & Research (SPR) funds programmed under UPWP task 7110 provides for VDOT Richmond District support on all RRTPO work tasks.

<b>7110 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Maintenance and administration of the program	Ongoing
2. Maintain current information on regional plans and programs	Ongoing
3. Coordinate consultant-related activities	As Needed
4. Coordinate the RRTPO Transportation Forum	As Needed
5. Coordinate and fulfill interagency review and information requests	As Needed
<b>VDOT</b>	
1. Maintain data and provide forecasts	As Needed
2. Provide technical assistance to the RRTPO, member governments, and other agencies	As Needed
3. Provide review and guidance related to RRTPO planning and programming requirements and assistance addressing federal requirements	Ongoing

# 7100 PROGRAM SUPPORT AND ADMINISTRATION

## Task 7120 UPWP, Budget and Contract Administration

### Purpose:

1. Develop and maintain the Unified Planning Work Program.
2. Develop time allocations, budgets, and funding scenarios to support UPWP deployment.

### Method:

PlanRVA staff will cooperatively develop and administer the UPWP, and coordinate RRTPO planning activities and committee meetings in compliance with UPWP funding agencies. This work effort also supports the RRTPO program by providing legal and other financial services related to the RRTPO program.

This task provides for maintenance of the adopted UPWP and annual development of the RRTPO work program for the upcoming fiscal year. Work in this task includes development of time allocations, budgets, and funding to support the task descriptions. The UPWP also identifies the region's planning priorities, documents cooperation between the RRTPO and Tri-Cities Area MPO on various work activities and notes non-RRTPO transportation study activities funded by FTA as informational items.

<b>7120 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Administer RRTPO FY 2021 UPWP	Ongoing
2. Prepare and publish the RRTPO FY 2022 UPWP	June 2021
3. Prepare FY20 UPWP amendments for year end funds transfer	October 2020
4. Work with member governments to prepare grant applications supporting the UPWP	As Needed
5. Communicate UPWP activities to the public through CTAC and outreach methods identified in the RRTPO Public Engagement Plan	Ongoing
6. Coordinate and fulfill review and information requests	As Needed
7. Approval and management of funding agreements	As Needed
8. Provide regular progress updates to VDOT and DRPT	Ongoing
9. Provide review and guidance related to RRTPO planning and programming requirements and assistance addressing federal requirements	Ongoing

# 7200 GENERAL DEVELOPMENT & COMPREHENSIVE PLANNING

## Task 7210 Public Outreach & Equity Analysis

### Purpose:

- 1) Disseminate public information regarding RRTPO activities and current issues in metropolitan transportation planning.
- 2) Encourage and document citizen engagement in the development of RRTPO transportation plans, programs and policies via the approved PlanRVA Public Engagement Plan.

### Method:

This work effort supports the development of a functional and viable community engagement program, which creates a “citizen planner” role for the public on transportation issues and encourages public input to the transportation planning and programming process.

The RRTPO organization includes a standing Community Transportation Advisory Committee (CTAC) appointed by the RRTPO board. The CTAC membership includes representation from all the RRTPO local jurisdictions and community organizations, including an Equity Work Group reflecting consumers and organizations representing seniors, individuals with disabilities, persons with low income and all persons that are transportation disadvantaged. Engagement with CTAC provides an opportunity for citizen and interested party input to inform and advise the RRTPO on plans, studies, issues, and other matters related to the planning of transportation systems and services.

In addition to supporting CTAC and the work groups, the RRTPO encourages community engagement for each of its work products, including the Long-Range Transportation Plan, Regional Bicycle and Pedestrian Plan, and the Transit Vision Plan. There are various ways to get involved, including the PlanRVA website, open meetings, community events, and other methods outlined in the RRTPO Public Engagement Plan.

<b>7210 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Implement and document public information and citizen participation	Ongoing
2. Revise & update RRTPO Public Engagement Plan to include best practices	As Needed
3. Maintain regional profiles for disenfranchised populations	Ongoing
4. Support CTAC, Equity Work Group, and Vision Zero Work Group	Ongoing
5. Maintain PlanRVA website and project pages including storymaps	Ongoing/As Needed
6. Serve as a resource to VDOT & VDRPT to enhance participation by elderly, disabled, and low-income populations in transportation plans	As Needed

7. Support Senior Connections as a partner in developing an implementation plan for regional coordination services as described in the RRTPO Needs and Gaps Assessment of the Transportation Disadvantaged report	Ongoing
8. Update and revise MOAs and committee bylaws	As Needed
9. Implement/administer any changes to the MPO organization structure, as needed	As Needed
<b>VDOT</b>	
1. Support PlanRVA efforts to engage regional stakeholders and the general public	Ongoing
<b>VDRPT</b>	
1. Encourage and participate in PlanRVA efforts to raise awareness of transit improvement projects	Ongoing

# 7200 GENERAL DEVELOPMENT & COMPREHENSIVE PLANNING

## Task 7220 Special Planning Efforts

### Purpose:

- 1) Participate in and provide technical support to special planning efforts or studies in the region that are related to transportation planning, system performance and financial programming as determined by the RRTPO Secretary.

### Method:

PlanRVA staff will work closely with member governments and partner agencies to complete additional studies and plans that help to advance the transportation plans of the region, including but not limited to collaborative strategic planning, economic development, land use data collection, tourism planning, regional and megaregional partnerships, financial competitiveness studies, and professional advancement.

<b>7220 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Central Virginia Transportation Authority – Serve as a resource to assist the CVTA in establishing transportation plans and funding priorities for projects in the region.	Ongoing
2. Professional leadership and advancement – work to be an active participant and leader in various professional organizations like the Virginia Association of MPOs, National Association of Regional Councils, Association of Metropolitan Planning Organizations, Transportation Research Board, ITSVA, American Planning Association, etc.	Ongoing
3. National Best Practices – Spread the word about work that PlanRVA is doing by attending and presenting at local, state, and national conferences.	Ongoing
4. Automated and Connected Vehicle Technology – Continue to work with VDOT and other partners to study and advance innovative technologies to support regional transportation mobility and accessibility with potential incorporation into <i>ConnectRVA 2045</i>	Ongoing
5. Actively participate in VDOT or locality-led regional transportation studies like STARS, Arterial Management Plans, IMRs and IMJs as well as responding to data requests	As Needed

## 7200 GENERAL DEVELOPMENT & COMPREHENSIVE PLANNING

### Task 7230 Contingency Funding

#### Purpose:

- 1) Provide additional support for new and unforeseen activities.

#### Method:

Financially support unforeseen activities related to community engagement, staffing, consultant contracts, or other activities associated with UPWP tasks. This item may also be used for funding new UPWP tasks that may be approved by the RRTPO Policy Board during the fiscal year

<b>7230 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Staffing or administrative tasks as appropriate to actively pursue and complete projects developed under the UPWP	As Needed
2. Consultant contracts to address needs or other projects as developed during the fiscal year	As Needed
3. Additional public engagement as identified during the planning phases for project assignments	As Needed
4. New UPWP tasks developed as part of a needs assessment during the fiscal year	As Needed
5. Address unanticipated funding shortfalls and/or rescissions	As Needed

# 7300 LONG-RANGE TRANSPORTATION PLANNING

## Task 7310 Long-Range Transportation Plan

### Purpose:

- 1) Develop a comprehensive future-reaching transportation plan to assess mobility and access needs of the Richmond region

### Method:

In accordance with RRTPO policy and applicable federal regulations, PlanRVA will coordinate and undertake various activities to update the Long-Range transportation plan in consultation and coordination with VDOT and VDRPT staffs. The existing plan will be monitored and amended as necessary.

<b>7310 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Satisfactory progress in monitoring and implementing <i>plan2040</i>	Ongoing
2. Develop <i>ConnectRVA 2045</i>	Throughout FY 2021
3. Update financial assumptions for <i>ConnectRVA 2045</i>	Throughout FY 2021
4. Coordinate with VDOT and VDRPT on Regional Performance Measures and their incorporation into <i>ConnectRVA 2045</i>	Ongoing
5. Continue process of review, research and data collection as part of <i>ConnectRVA 2045</i>	Ongoing
<b>VDOT</b>	
1. Support RRTPO in development of <i>ConnectRVA 2045</i>	Ongoing
2. Consider the impact of recommendations from various studies on <i>ConnectRVA 2045</i> , in association with VDOT planning efforts	Ongoing
3. Evaluate the impact of performance measure targets on VDOT long-term planning efforts	Ongoing
4. Implement <i>VTrans</i>	Ongoing
<b>VDRPT</b>	
1. Support RRTPO in developing <i>ConnectRVA 2045</i>	Ongoing
2. Review RVA Transit Vision Plan and other regional transit and mobility plans in coordination with GRTC planning efforts for consistency with <i>ConnectRVA 2045</i> targets	Ongoing
3. Evaluate the impact of performance measure targets on VDRPT long-term planning efforts	Ongoing



# 7300 LONG-RANGE TRANSPORTATION PLANNING

## Task 7320 Travel Demand Modeling & Emissions Analysis

### Purpose:

- 1) Simulate existing and future travel demand.
- 2) Effectively model, analyze, and document multi-modal transportation networks.
- 3) Estimate on-road motor-vehicle emissions, as needed.

### Method:

PlanRVA and VDOT will cooperatively utilize the Richmond / Tri-Cities (RTC) travel demand model; prepare, analyze and document network-based travel forecasts, as needed; and undergo training in the use of travel demand modeling and emissions analysis tools.

<b>7320 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Maintain and implement the RRTPO Travel Demand Model	Ongoing
2. Oversee consultant work on the RRTPO Travel Demand Model	Ongoing
3. Provide forecasts for regional studies	Ongoing/As Requested
4. Ensure compatibility of output from Cube™ for use with scenario planning tools and other platforms	Ongoing
5. Continue work on update of the RRTPO Travel Demand Model and related sub-models for use in scenario planning	Ongoing
6. Consult and cooperate with member governments, VDOT, Tri-Cities MPO, and other groups to develop use opportunities for the Travel Demand Model in small-area, corridor, and other types of local planning efforts	Ongoing/As Needed
<b>VDOT</b>	
1. Assist with maintenance/implementation of the RRTPO Travel Demand Model	Ongoing
2. Provide inputs for regional air quality analysis	Ongoing/As Needed
<b>VDRPT</b>	
1. Coordinate with RRTPO and VDOT to incorporate current transit data and forecasts into the Travel Demand Model	Ongoing/As Needed

## 7300 LONG-RANGE TRANSPORTATION PLANNING

### Task 7330 Transit

#### Purpose:

- 1) Identify opportunities to enhance and increase connectivity to transit across the Richmond region.
- 2) Advance the coordination of transportation services for all people in the Richmond region with focus through an equity lense on disadvantaged and environmental justice populations.

#### Method:

PlanRVA staff will support the completion of the Transit Vision Plan (Short & medium range options), which increases emphasis on implementation of critical first steps of the Transit Vision Plan. PlanRVA will also support the state designated Area Agency on Aging, in the development and implementation of a plan to coordinate regional transportation services meeting the needs of disadvantaged populations.

<b>7330 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Develop the regional Transit Vision Plan (Short & medium range options)	August 2020
2. Support implementation of the Greater RVA Transit Vision Plan	Ongoing
3. Support the implementation of the Coordinated Human Services Mobility Plan	Ongoing
4. Coordinate Transportation Demand Management processes and policies to improve congestion levels, influence travel demand and improve system efficiency. Particular emphasis on this program will be in partnership with Ridefinders.	Ongoing
5. Coordinate with Greater Richmond Transit Company (GRTC) to improve service to the region, including assistance with GRTC long range planning and visioning	Ongoing
<b>GRTC</b>	
1. Solicit support and technical assistance from PlanRVA staff for development of a plan for regional public transportation within Planning District 15	Ongoing
<b>VDRPT</b>	
1. Solicit support & technical assistance from PlanRVA staff on implementation plans for the Greater RVA Transit Vision Plan	Ongoing

## 7300 LONG-RANGE TRANSPORTATION PLANNING

### Task 7340 Active Transportation: Bicycle & Pedestrian

#### Purpose:

- 1) Plan for all modes of travel, including bicycle and pedestrian facilities connection home, work, and school.
- 2) Provide a forum for regional conversation regarding active transportation and community health.

#### Method:

The RRTPO is responsible for planning all modes of transportation including connecting accessible pedestrian facilities and bicycle facilities. This task provides RRTPO support for area groups, organizations, and local governments to advance bicycle and pedestrian studies, programs, and projects.

<b>7340 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Work with partners to identify needed non-motorized improvements as part of a larger connectivity strategy with the regional transit network	Ongoing
2. Finalize FY20 Complete Streets project, including a toolbox of best practice examples to guide locality implementation	September 2020
3. Coordinate and facilitate regional conversations on the off-road alignment of the East Coast Greenway	Ongoing
4. Support the development of the Ashland to Petersburg trail network and provide technical assistance	Ongoing
5. Develop integrated components of <i>ConnectRVA 2045</i> dedicated to improving bicycle and pedestrian connectivity	Throughout FY 2021
6. Complete the Regional Bicycle & Pedestrian Plan update	Throughout FY 2021
7. Collect and synthesize performance data on nonmotorized travel as available	Ongoing
8. Continue the work of the Active Transportation Work Group	Ongoing
9. Work with member governments and state agencies to advance development of bicycle and pedestrian facilities	As Needed
<b>VDOT</b>	
1. Include PlanRVA staff as technical resources for new and ongoing bicycle and pedestrian projects in the Richmond region	As needed
2. Share counts and other performance metrics with PlanRVA staff for inclusion in plans and projects	Ongoing

## 7300 LONG-RANGE TRANSPORTATION PLANNING

### Task 7350 System Resilience Plan

#### Purpose:

- 1) Following guidance in the FAST Act, consider projects and strategies that will improve resiliency and reliability of the transportation system and reduce or mitigate stormwater impacts on the transportation system as well as reduce the vulnerability of existing transportation infrastructure to natural disasters.

#### Method:

Coordinate transportation planning with environmental partners, homeland security, disaster preparedness, and post-disaster redevelopment planning. Enhance the resiliency of the transportation system to withstand threats from man-made and natural disasters. Think long-term about how to function as a region when societal gathering patterns are disrupted by weather, disease, economic turmoil, or other regional factors.

<b>7350 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Develop a system resilience component as part of <i>ConnectRVA 2045</i>	Throughout FY 2021
2. Work with VDOT to develop a system for infrastructure assessment and prioritization	As Needed
3. Develop a watershed-based digital flood tool that will provide current information on potential impacts and priority infrastructure needs	Ongoing
4. Complete the Richmond Region Bridge and Culvert Inventory and Structural Report	August 2020
<b>VDOT</b>	
1. Collaborate with PlanRVA to develop a summary database of infrastructure vulnerability	December 2020

# 7400 SHORT-RANGE TRANSPORTATION PLANNING

## Task 7410 Performance Based Transportation Planning

### Purpose:

- 1) In conjunction with VDOT, establish and work towards meeting a defined set of performance measures and targets through planning and programming projects that contribute towards regional goals.
- 2) Assess progress towards meeting goals.

### Method:

VDOT will establish statewide targets that represent the desired performance outcomes within the Commonwealth. Once VDOT has completed statewide target setting, MPOs in the Commonwealth will have 180 days to establish targets by either: agreeing to plan and program projects so that they contribute toward the accomplishment of relevant VDOT targets; or committing to unique, quantifiable targets specific to their metropolitan planning area. Safety performance measure targets are set annually, whereas the Infrastructure and System Reliability performance measure targets are set as two- and four-year targets. At the midpoint, the four-year targets can be adjusted.

PlanRVA staff will work with OIPI regarding the establishment of performance measures and targets, how Federal rules will be implemented, and will monitor established rules and any proposed changes. The RRTPO will work with FHWA, FTA, VDOT and DRPT to incorporate these new requirements into the RRTPO planning and programming process in the work program. The following products and work tasks help to meet and assess these requirements.

<b>7410 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Review and report on MAP-21 / FAST Act performance measures and targets focusing on safety. Submit safety target submission letter to VDOT.	February 27, 2021
2. Review and report on MAP-21 / FAST Act performance measures and targets focusing on, infrastructure condition, and system reliability. Review the need to adjust 4-year targets. Submit infrastructure condition, and system reliability target submission letter to OIPI if 4-year targets are adjusted.	March 30, 2021
3. Work with the RRTPO Vision Zero Workgroup to establish regional goals and to support and coordinate with local transportation safety organizations to better support improvement of traffic safety around the region.	Ongoing
4. Congestion Management Process – report on system reliability, such as bottlenecks and travel time data for all CMP designated roads; analysis of congested road segments for AM and PM travel time periods and identify strategies to improve or mitigate congestion.	Ongoing

5. Congestion Management Process – analyze and report on accident data for all CMP network designated roads, plus those roads functionally classified as collector and above in the Richmond region	Ongoing
<b>VDOT</b>	
1. Collaborate with PlanRVA staff to develop Intelligent Transportation Systems (ITS) projects and programs	As Needed
2. Provide accident data to PlanRVA for use in developing CMP analysis and reporting	Ongoing

## 7400 SHORT-RANGE TRANSPORTATION PLANNING

### Task 7420 Financial Programming / Transportation Improvement Program

#### Purpose:

- 1) Cooperatively develop and publish the RRTPO TIP
- 2) Select TIP projects to be implemented.
- 3) Revise policies and procedures for TIP development, as needed.
- 4) Develop and manage evaluation and allocation of federal and state transportation funding.
- 5) Prepare status reports on previously authorized TIP projects.

#### Method:

PlanRVA, VDOT, and VDRPT staff will jointly consult and coordinate with each other and with the RRTPO Policy Board and advisory committees to maintain the FFY 2021-2024 TIP as needed; monitor authorized TIP projects; revise as needed the RRTPO policies and procedures for TIP development; manage the RSTBG/CMAQ/TAP grant process; and publish the Annual Listing of Obligated Projects.

<b>7420 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Update and revise the RSTBG/CMAQ Project Review, Selection, and Allocation process	June 30, 2021
2. Develop and administer the RSTBG/CMAQ/TA project review, selection and allocation process to inform the SYIP	Ongoing
3. TIP Analysis and Maintenance	Ongoing
4. Publish FFY 2021 (October 1, 2020 – September 30, 2021) Annual Listing of Obligated Projects	December 31, 2020
<b>VDOT</b>	
1. Coordinate TIP project proposals for the State Highway System	Ongoing
2. Provide estimates of Federal/State funds available for TIP projects	As Needed
3. Coordinate with PlanRVA staff to develop funds allocation recommendations	Ongoing
<b>VDRPT</b>	
1. Coordinate transit TIP projects and amendments	As Needed

## 7400 SHORT-RANGE TRANSPORTATION PLANNING

### Task 7430 Rail, Freight and Intermodal Planning

#### Purpose:

- 1) Moving people and goods efficiently with environmentally beneficial impacts.

#### Method:

In order for Richmond to compete in the efficient movements of goods and services in the coming years, the region will need to identify, develop and implement intermodal strategies which will provide good connectivity for passenger movement, transfer of rail shipments, improved rail access for local truck shipments, expanded opportunity for air cargo movement, and alternative options of importing and exporting regional cargoes, such as by barge to the Port of Virginia's Richmond Marine Terminal. By ensuring the continued performance of the regional transportation system, the prevention of environmental degradation, while encouraging and attracting economic opportunities, the RRTPO will be promoting a high quality of life for our region.

The regional planning process can support policies that advocate investments in the rail system such as extension of sidings, crossovers, signal upgrades or grade-separation of crossings which can improve the performance of the rail system to the benefit of both passenger and freight movements.

<b>7430 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Support Staples Mill Station Advanced Planning and Design Study	December 2020
2. Freight corridor mapping based on freight-intensive land use and establishment surveys	Ongoing
3. Support development and completion of I-95/RMT/Commerce Corridor Access Study	December 2020
4. Freight and Intermodal Work Group – evaluate demand and feasibility	Ongoing
5. Richmond Area Rail Studies: Virginia State Rail Plan, Southeast High-Speed Rail (including DC2RVA: Washington to Richmond), Long Bridge / CSX plan – coordinate with VDRPT on work activities	As Needed



# 7500 GENERAL DEVELOPMENT & COMPREHENSIVE PLANNING

## Task 7510 Rural Transportation

### Purpose:

- 1) Support the transportation planning work of the four member governments of PlanRVA that are not fully included in the Metropolitan Planning Area (MPA) boundary

### Method:

PlanRVA staff will actively coordinate with staff and officials from Charles City, Goochland, New Kent, and Powhatan Counties to develop a rural work program outlining technical assistance projects that can supplement local priorities for transportation. The technical assistance projects provide much-needed support for these member governments who have reduced staffing and technical capabilities when compared to their urban counterparts.

<b>7510 Expected Results/Product:</b>	<b>Anticipated Completion Schedule:</b>
<b>RRTPO</b>	
1. Develop a FY21 rural transportation work program in consultation with rural member governments	July 31, 2020
2. Update the Rural Long-Range Transportation Plan	As Needed
3. Work with rural jurisdictions to improve regional capacity for transportation resilience planning	Ongoing
4. Data collection or other technical assistance	As Needed

# FISCAL YEAR 2021 RRTPO STAFFING AND BUDGET

## RRTPO Staff Resources

Ten personnel from PlanRVA are committed to full-time direct support of the tasks outlined in the FY 2021 RRTPO UPWP; another seven personnel are committed in part-time direct support. Additional personnel may be assigned to consultant-led work tasks.

Primary responsibility for the UPWP rests with PlanRVA staff. There are particular cases where other UPWP agencies are assigned primary responsibility for specific activities, as delineated in the task descriptions; PlanRVA will provide support for these activities.

The PlanRVA Director of Transportation is responsible for overall program support and administration of RRTPO's work program tasks, as well as for interagency coordination with the other UPWP Agencies. Although PlanRVA staff often form working groups and share in the performance of work program activities, each staff person dedicated to direct support of the work program is charged with primary responsibility for accomplishing specific tasks or subtasks.

Table 3 summarizes overall federal and local revenues budgeted by PlanRVA in FY 2021 to support the work of RRTPO. Federal funds budgeted constitute 80 percent of the total; State and local matching funds constitute 20 percent, unless otherwise noted.

TABLE 3. SUMMARY OF FY 2021 RRTPO UPWP BUDGET

Work Task	RRTPO Budget				TOTAL
	PL	5303	CO 5303	OTHER (1)	
	Total	Total	Total	Total	
7110 Program Management	145,661	67,619	-	-	213,280
7120 UPWP, Budget, and Contract Administration	45,242	7,873	-	-	53,115
7210 Public Outreach and Equity Analysis	147,980	56,457	-	-	204,437
7220 Special Planning Efforts	53,813	-	-	-	53,813
7230 Contingency Funding	16,584	-	30,000	-	46,584
7310 Metropolitan Transportation Plan	370,904	134,734	-	-	505,637
7320 Travel Demand Modeling & Emission Analysis	120,935	48,062	-	593,550	762,547
7330 Transit	47,310	137,265	-	-	184,575
7340 Active Transportation- Bicycle & Pedestrian	145,615	23,201	-	-	168,816
7350 Systems Resilience Plan	105,285	-	-	-	105,285
7410 Performance Based Transportation Planning	66,441	20,515	-	-	86,955
7420 Financial Programming/ Transportation Improvement Program	305,928	20,354	-	-	326,282
7430 Rail, Freight & Intermodal Planning	14,621	8,959	-	-	23,579
7500 Rural Transportation	-	-	-	72,500	72,500
<b>TOTAL (\$)</b>	<b>1,586,320</b>	<b>525,038</b>	<b>30,000</b>	<b>666,050</b>	<b>2,807,408</b>

(1) 7320 funds are RSTBG funds for travel demand model development and scenario planning, 7500 funds are PlanRVA allocated rural transportation funds shown for reference

## FY 2021 RRTPO Budget

Figure 2 reflects FY 2021 RRTPO budget by planning program project. On the following page, Table 4 details FY 2021 expenditures budgeted by PlanRVA on RRTPO planning projects or tasks described in this UPWP. For each planning project, total expenditures, type of fund, and federal/local matching amounts are identified.

FIGURE 2. FY 2021 TOTAL RRTPO BUDGET BY TASK

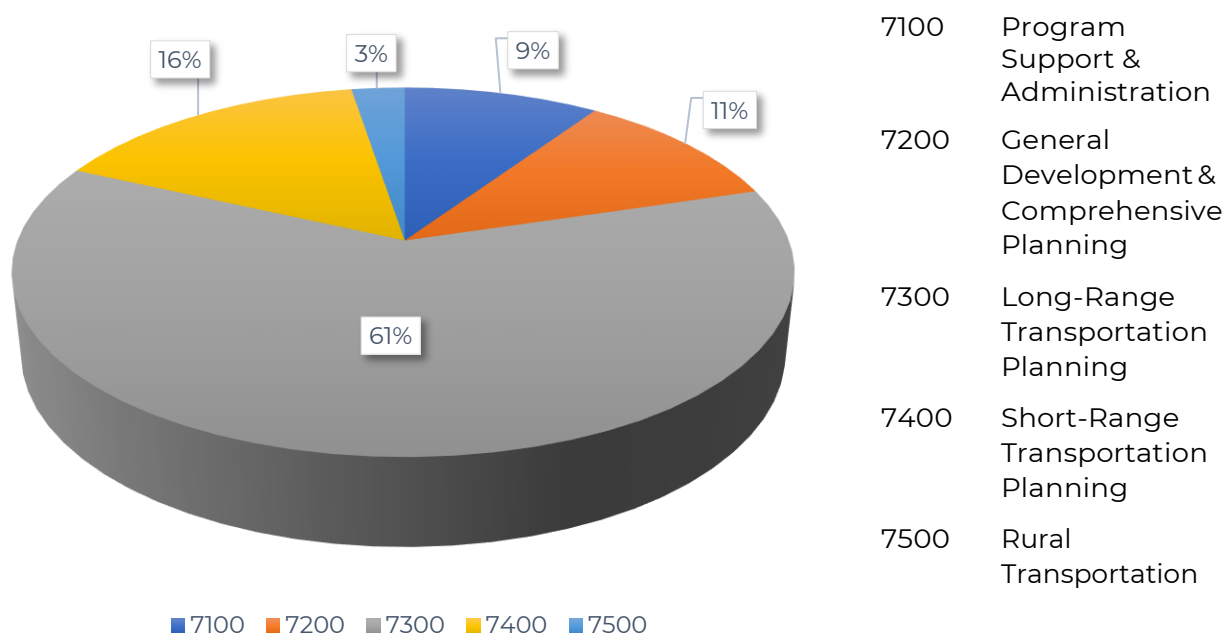


TABLE 4. FY 2021 RRTPO UPWP BUDGET

Work Task	RRTPO Budget															TOTAL
	PL Approved				5303 Approved				CO 5303 Approved				OTHER (1)			
	80% Federal	10% State	10% Local	Total	80% Federal	10% State	10% Local	Total	80% Federal	10% State	10% Local	Total	80% Federal	20% State	Total	
7110 Program Management	\$116,529	\$14,566	\$14,566	\$145,661	\$54,095	\$6,762	\$6,762	\$67,619	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$213,280
7120 UPWP, Budget, and Contract Administration	\$36,194	\$4,524	\$4,524	\$45,242	\$6,299	\$787	\$787	\$7,873	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53,115
7210 Public Outreach and Equity Analysis	\$118,384	\$14,798	\$14,798	\$147,980	\$45,165	\$5,646	\$5,646	\$56,457	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$204,437
7220 Special Planning Efforts	\$43,050	\$5,381	\$5,381	\$53,813	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$53,813
7230 Contingency Funding	\$13,267	\$1,658	\$1,658	\$16,584	\$0	\$0	\$0	\$0	\$24,000	\$3,000	\$3,000	\$30,000	\$0	\$0	\$0	\$46,584
7310 Metropolitan Transportation Plan	\$296,723	\$37,090	\$37,090	\$370,904	\$107,787	\$13,473	\$13,473	\$134,734	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$505,637
7320 Travel Demand Modeling & Emission Analysis	\$96,748	\$12,093	\$12,093	\$120,935	\$38,450	\$4,806	\$4,806	\$48,062	\$0	\$0	\$0	\$0	\$474,840	\$118,710	\$593,550	\$762,547
7330 Transit	\$37,848	\$4,731	\$4,731	\$47,310	\$109,812	\$13,727	\$13,727	\$137,265	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$184,575
7340 Active Transportation- Bicycle & Pedestrian	\$116,492	\$14,562	\$14,562	\$145,615	\$18,561	\$2,320	\$2,320	\$23,201	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$168,816
7350 Systems Resilience Plan	\$84,228	\$10,529	\$10,529	\$105,285	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$105,285
7410 Performance Based Transportation Planning	\$53,153	\$6,644	\$6,644	\$66,441	\$16,412	\$2,051	\$2,051	\$20,515	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$86,955
7420 Financial Programming/ Transportation Improvement Program	\$244,743	\$30,593	\$30,593	\$305,928	\$16,283	\$2,035	\$2,035	\$20,354	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$326,282
7430 Rail, Freight & Intermodal Planning	\$11,697	\$1,462	\$1,462	\$14,621	\$7,167	\$896	\$896	\$8,959	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,579
7500 Rural Transportation	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$58,000	\$72,500	\$72,500
TOTAL (\$)	\$1,269,056	\$158,632	\$158,632	\$1,586,320	\$420,030	\$52,504	\$52,504	\$525,038	\$24,000	\$3,000	\$3,000	\$30,000	\$474,840	\$176,710	\$666,050	\$2,807,408

(1) 7320 funds are RSTBG funds for travel demand model development and scenario planning, 7500 funds are PlanRVA allocated rural transportation funds shown for reference (listed distribution percentages for this work task do not apply)

## ACRONYM DEFINITIONS

Acronym	Definition
CMP	Congestion Management Program
CMAQ	Congestion Mitigation and Air Quality (federal funding)
CTAC	Community Transportation Advisory Committee, RRTPO advisory committee
DRPT	Department of Rail and Public Transportation
EDAC	Elderly and Disability Advisory Committee, former RRTPO advisory committee
FAST Act	Fixing America's Surface Transportation Act
FHWA	Federal Highway Administration
FTA	Federal Transit Administration
FY / FFY	Fiscal Year / Federal Fiscal Year
IMR	Interchange Modification Report
L RTP	Long Range Transportation Plan
MPO	Metropolitan Planning Organization
OIPI	Office of Intermodal Planning and Investment
PL	Planning funds (federal funding category)
PlanRVA	Richmond Regional Planning District Commission
RMTA	Richmond Metropolitan Transportation Authority
RRTPO	Richmond Regional Transportation Planning Organization
RSTP	Regional Surface Transportation Program (federal funding)
RSTBG	Regional Surface Transportation Block Grant (federal funding)
RTC	Richmond / Tri-Cities MPOs
STARS	Strategically Targeted Affordable Roadway Solutions
TAC	Technical Advisory Committee
TIP	Transportation Improvement Program, list of upcoming transportation projects
UPWP	Unified Planning Work Program, the RRTPO annual budget and work program
VDOT	Virginia Department of Transportation
VTrans	Virginia statewide, long-range transportation plan

*TABLE 5. Amendments to the UPWP*

**TAC AGENDA 05/12/20; ITEM 10.**

**2045 Long Range Growth Forecast Analysis Report**

**Richmond Regional Transportation Planning Organization**

**REQUESTED ACTION:** This is an information item; no action is requested.

**BACKGROUND:** The 2045 Long Range Growth Forecast Analysis Report (previously called Socioeconomic Data Analysis Report) is an important component of ConnectRVA 2045, the Richmond region's Long-Range Transportation Plan. To better anticipate the future transportation needs in the Richmond region, it is essential to predict the demands on the system and understand how population and employment growth dynamics influence the region over time. The long-range planning process relies on current residential patterns and projections of future population and employment trends to identify the magnitude of anticipated travel demand. This process also helps to assess how changing commuting patterns and travel habits of the region's population are impacted and/or benefit from the transportation system network. This report examines the socioeconomic characteristics of the Richmond region including population, household characteristics, automobile ownership and employment. It is a realistic look at regional factors that influence growth over time and is based on actual data collected in partnership between the member jurisdictions of the region and our partners.

ConnectRVA 2045 also requires identification of concentrated areas of traditionally disadvantaged groups in the Richmond region. Title VI of the Civil Rights Act of 1964 and Executive Order 12898 on Environmental Justice direct every recipient of federal funds to identify and address the effects of all programs, policies, and activities on populations protected from discrimination and those of traditionally disadvantaged groups. These areas of concentration have been identified in this report using data from the American Community Survey. These identified areas would be the baseline to investigate ways to better include underserved populations in the region through identification of transportation priorities and funding opportunities.

Attachment by digital link: [Draft 2045 Long Range Growth Forecast Analysis Report](#)

SA

## **TAC AGENDA 5/12/20; ITEM 12.**

### **TAC Future Meeting Topics**

#### **June 9**

- Revision to RSTP and CMAQ Project Review, Selection, and Funds Allocation Process
- Bridge/Culvert Report
- Greater RVA Transit Vision Plan
- 2020 Richmond Regional Structural Inventory and Assessment Report
- Regional Bicycle & Pedestrian Plan Update with Complete Streets - Storymap
- ConnectRVA 2045 Update

#### **Future Meeting Topics**

- Complete Streets Toolbox
- VTrans Statewide Transportation Plan Update