



MEMORANDUM

To: RRTPO Technical Advisory Committee (TAC)
From: Chet Parsons, RRTPO Secretary
Date: April 7, 2020
Subj: April RRTPO Technical Advisory Committee (TAC) Meeting Cancellation

Because of ongoing and expanding threats related to COVID-19 (coronavirus), PlanRVA/RRTPO has altered our [meeting calendar](#) to help protect the health, well-being, and safety of our staff, and those in the community we serve. We will continue to evaluate our meeting schedule in consideration of the changing health dynamics of our region as well as policy guidance from our local, state and federal partners.

The RRTPO Technical Advisory Committee (TAC) meeting scheduled for Tuesday, April 14, 2020 has been cancelled. Please contact Chet Parsons at cparsons@planrva.org for more information.

An information packet can be found on the PlanRVA website at the following address:

[RRTPO Technical Advisory Committee \(TAC\) Meeting Information \(Agenda\)](#): Click on the April 14, 2020 Agenda Packet link to download the information.

Guidance and recommendations about COVID-19 as well as updated reports are available at [Virginia Department of Health: CORONAVIRUS DISEASE 2019 \(COVID-19\)](#)

CAP/nm

AGENDA

RICHMOND REGIONAL TRANSPORTATION PLANNING ORGANIZATION TECHNICAL ADVISORY COMMITTEE

Tuesday, April 14, 2020

9:00 a.m.

Richmond Regional Planning District Commission Board Room

CERTIFICATION OF QUORUM

	Page(s)
1. Approval of Meeting Agenda (Smith)..... <i>Action Requested</i>	–
2. Approval of March 10, 2020 TAC Meeting Minutes (Smith)..... <i>Action Requested</i>	1–5
3. Open Public Comment Period (Smith/5 minutes).....	–
4. TAC Chairman's Report (Smith).....	–
5. RRTPO Update (Parsons/10 minutes)..... a. Current Work Efforts b. Legislative Update March 2020	6–7
6. FY20 Unified Planning Work Program (Parsons/10 minutes)..... <i>Action Requested</i> Attachment to be sent separately	–
7. FY21 – FY26 RSTP/CMAQ Draft Allocations (Busching/15 minutes)..... <i>Action Requested</i> Attachment to be sent separately	8–9

- 8. FY18-FY21 TIP Amendments: VDOT**
(Busching/10 minutes)..... 10-26
Action Requested
- 9. Draft FFY21-24 Transportation Improvement Program (TIP)**
(Busching/10 minutes)..... 27-28
Action Requested
- 10. Greater RVA Transit Vision Plan: Near-Term Strategic Technical Analysis**
(Jacocks/15 minutes)..... 29-30
Action Requested
- 11. TAC Open Comment**
(TAC members) -
- 12. Future Meeting Topics**
(Smith)..... 31
- 13. Next TAC Meeting: May 12**
(Smith) -
- 14. Adjournment: Scheduled for 10:15 a.m.**
(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

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 ClarkeCity of Richmond
Thomas ColemanGoochland County
Tiffany DubinskyDRPT
Kelli Le DucNew Kent County
Liz McAdory.....VDOT
John O'Keeffe (Alternate).....RideFinders
Chet Parsons.....RRPDC
Andrew PompeiPowhatan County
Sharon SmidlerHenrico 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) or Barbara Jacocks (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:
 - 2nd/3rd 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 4th, [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

Due to the ongoing and expanding threats related to COVID-19 (coronavirus), the LRTP Advisory Committee (LRTP-AC) meeting scheduled for March 26, 2020, was cancelled. Staff compiled a revised list of existing transportation issues based on regional and local studies, additional recommendations provided by LRTP-AC members and possible future transportation highway issues captured by Richmond/Tri-Cities Travel Demand Model. This spreadsheet was emailed to the LRTP-AC members on April 1. Public comments received through the ConnectRVA 2045 website and the community outreach meetings will be added to this list after we close the public outreach for transportation issue identification on April 15. The final “Transportation Needs List” based on comments provided by LRTP-AC members along with the added public comments will go through a 15-day public review period and will come back to the LRTP-AC members for their approval.

Trolley Line Trail Advisory Group

The 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. Staff continues to work with the advisory group and each of the localities.

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 enhanced with pertinent and new information. 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. A shared drive and a website have been set up to enable committee members to share resources and their own observations of travel and photos from around the region by bicycle or on foot. Staff has begun writing the document and will continue to update throughout the year as they proceed with this process.

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.

Active Transportation Work Group (ATWG)

Staff has begun planning for the regular quarterly meeting of the ATWG, tentatively scheduled for June 9, 2020. Staff participated in Henrico County’s first Active Transportation work group, which is designed to advise the planning for a bicycle and pedestrian chapter of the county comprehensive plan. The group consists of Henrico

county staff, advocates and regional planners. The first meeting was held on March 12 and plans to meet monthly, with the next meeting scheduled as a virtual meeting on April 15.

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

The portal for the next round of [SMART SCALE](#) is open from the beginning of March and has been extended until April 17, 2020 for pre-application submissions by qualified applicants. Staff are working with member governments to prepare pre-application materials for our 10 (+2) allotted slots for regionally-significant projects. 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 full applications for submission. The full application window runs from June until August 3, 2020.

CANCELLED

TAC AGENDA 04/14/20; ITEM 7.

FY21 – FY26 RSTP/CMAQ DRAFT ALLOCATIONS

Richmond Regional Transportation Planning Organization

REQUESTED ACTION: Review and recommendation to the RRTPO policy board of the FY21 - FY26 RSTP/CMAQ draft allocations.

BACKGROUND: Selecting and prioritizing projects for funding is one of the primary roles of the RRTPO in developing the regional transportation system. Projects selected by the TPO to receive funding are included in the Six-Year Improvement Program (SYIP) for adoption by the Commonwealth Transportation Board (CTB).

At the March meeting, TAC voted on a prioritization of new RSTP and CMAQ projects. TPO staff has worked with VDOT Richmond District staff to develop a draft allocation program following the priorities recommended by TAC. The draft allocations take a new approach to programming funds which is more consistent with the approach taken by VDOT and draws on the approach of Hampton Roads TPO and Fredericksburg Area MPO.

For newly selected projects, funds are allocated to directly match the project schedule. For example, if a project is scheduled for two (2) years of PE and a flexible start year of FY23, the funds for PE will be programmed in FY23 with the next allocation for RW provided in FY25. In the case of more expensive phases or phases which last more than four (4) years, the funding may be split over two years. This approach to allocating funds is consistent with state requirements that RSTP and CMAQ funds be obligated within 12 months of allocation and expended within 36 months of obligation.

At the program level, allocations cover all six (6) years of the six-year program. In the past, allocations generally only covered the first outyear or two with significant balances of 20%-40% remaining for the later outyears. Under the new approach, a minimum of five percent (5%) balance is maintained for outyears to ensure funding is available should a project overrun the budget and to hedge against reductions in program funding. The remainder is allocated to projects and programs. Moving forward, any balance available in year one after cost overruns are processed will be available for immediate needs such as programs or studies which do not require any further funding commitments.

Beyond the six-year program, a table of future commitments has also been developed. Many projects have schedules which last more than a few years. To ensure funding is available for these projects, the needed allocations for future project phases by year is also documented. For future allocation cycles, this will allow TPO staff to easily estimate the available funding before the application period in the fall and to ensure funding is not oversubscribed for future phases.

TAC ACTION REQUESTED: The following resolution is presented for TAC review and recommendation to the RRTPO policy board at the next opportunity to assemble a quorum and take action on non-emergency business:

RESOLVED, that the Richmond Regional Transportation Planning Organization policy board approves the allocation of FY21 – FY26 RSTP/CMAQ funds as presented.

FURTHER RESOLVED, that the Richmond Regional Transportation Planning Organization policy board approves the commitment of future RSTP/CMAQ funds as presented.

Attachments to be sent separately

MAB

CANCELLED

TAC AGENDA 04/14/20; ITEM 8.

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.

BACKGROUND: The RRTPO policy board has received requests from VDOT to amend the TIP to add 11 new projects and to revise one existing project and one project grouping. Amendment details are outlined below:

11 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 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 **at the next opportunity to assemble a quorum and take action on non-emergency business:**

RESOLVED, that the Richmond Regional Transportation Planning Organization policy board amends the *FY18 – FY21 Transportation Improvement Program (TIP)* adding the following 11 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 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 5/7/2020 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 5/7/2020 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 5/7/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$3,240,000 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 116653

Jurisdiction: Statewide
Route/Street:
Description: #I95CIP 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 5/7/2020 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 5/7/2020 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 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 89 5/7/2020 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 90 5/7/2020 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$5,700,000 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 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 91 5/7/2020 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: #195CIP 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 92 5/7/2020 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 93 5/7/2020 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 94 5/7/2020 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 #95; 5/7/20; 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.

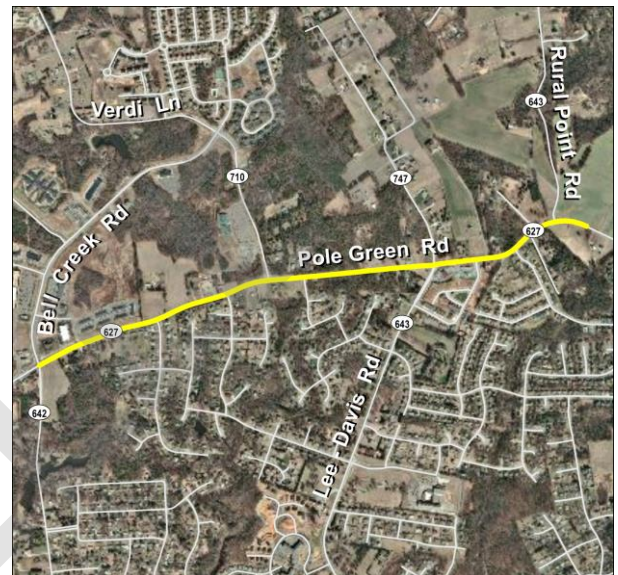
GROUPING	Transit :					
ROUTE/STREET						TOTAL COST
	FUND SOURCE	MATCH	FY18	FY19	FY20	FY21
		\$0	\$0	\$0	\$0	\$0

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
Total: \$20,000,000	\$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 96 5/7/2020 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 funds (match \$144,000).

Date Requested 3/20/2020

FY 2018 to FY 2021 Richmond Region TPO Transportation Improvement Program

Project Amendments - Tracking Records

Amd 84	116597	Statewide	#I95CIP Project Refinement
5/7/2020	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	
Amd 85	116651	Statewide	#I95CIP CCTV Program UPC-Funding Source Only
5/7/2020	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	
Amd 86	116652	Statewide	#I95CIP Changeable Message Program UPC
5/7/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$3,240,000 Fed AC Other funds (no match). Date Requested 3/23/2020	
Amd 87	116653	Statewide	#I95CIP Safety Service Patrols--Program UPC
5/7/2020	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	
Amd 88	116654	Statewide	#I95CIP TRIP Towing-Program UPC
5/7/2020	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	
Amd 89	116656	Statewide	#I95CIP Variable Speed Limits-Program UPC
5/7/2020	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	
Amd 90	116657	Statewide	#I95CIP Ramp Metering Program UPC
5/7/2020	Approved	1). This is a new project added to the TIP. 2). Add PE phase to FY20 and obligate \$5,700,000 Fed AC Other funds (no match). Date Requested 3/23/2020	
Amd 91	116658	Statewide	#I95CIP Geofenced Emerg Notifications-Program UPC
5/7/2020	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	
Amd 92	116659	Statewide	#I95CIP Advanced Work Zone Technology-Program UPC
5/7/2020	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	
Amd 93	116660	Statewide	#I95CIP Regional Multimodal Mobility-Program UPC
5/7/2020	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

Project Amendments - Tracking Records

Amd 94	116661	Statewide	#I95CIP Corridor Tech Improvements-Program UPC
5/7/2020	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	
Amd 95	00000	Multi-jurisdictional: Ric	Maintenance: Preventive Maintenance for Bridges
5/7/2020	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	
Amd 96	109260	Hanover County	Pole Green Rd Widening - PE Only
5/7/2020	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 funds (match \$144,000). Date Requested 3/20/2020	

CANCELLED

TAC AGENDA 04/14/20; ITEM 9.

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.

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 17th 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 **at the next opportunity to assemble a quorum and take action on non-emergency business:**

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 certifies 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 TECHNICAL ADVISORY COMMITTEE AGENDA 4/14/20; ITEM 10.

GREATER RVA TRANSIT VISION PLAN: NEAR-TERM STRATEGIC TECHNICAL ANALYSIS

Richmond Regional Transportation Planning Organization

REQUESTED ACTION: Review and provide input to the RRTPO policy board on the proposed service plan options and cost analysis of five corridor segments considered for enhanced transit in the near-term (five to seven years).

BACKGROUND: This study kicked off in May 2019. The purpose of the study is to analyze and recommend which of the high-frequency routes identified in the *Greater RVA Transit Vision Plan* (April 2017) can be implemented in the near-term with the greatest predictability of success. Of the 20 corridors slated by the original study for 20-minute or less service frequency, 12 corridors were selected through the first phase of screening. The initial screening analysis considered activity density, employment and working populations, environmental justice and transit dependent populations, existing GRTC network layout, potential near-term transit supportive development and steering committee feedback.

Findings from the second phase of analysis were reviewed and discussed with the TVP Steering Committee on December 10, 2019 and with the TAC at their meeting on January 14, 2020. The following factors were evaluated as part of this screening:

- Access to community facilities
- Walkability
- Pedestrian networks
- Roadway suitability
- Ridership potential

Based on this review, the following five corridors were recommended to move forward with more detailed capital and operating cost estimate development given alternative levels of service, analysis of return on investment and review of potential funding resources:

- Broad Street-Short Pump (Willow Lawn to Bon Secours Short Pump)
- Midlothian Turnpike (Downtown Richmond to Huguenot Road)
- West End South (Downtown Richmond to Regency Square)
- Airport via Route 60 (Downtown Richmond to RIC Airport)
- Route 1 to Ashland (Downtown Richmond to Parham Road)

The TVP Steering Committee reviewed the detailed analysis at their meeting on April 3, 2020. TAC is asked for review and comment. The summary sheets for the 12 corridors included in the initial screening can be accessed through this link:

[Greater RVA Transit Vision Plan](#). The proposed service plan options and detailed cost analysis of the five selected corridors which is the subject of today's meeting is available at [RVA TVP Implementation Feasibility Evaluation](#) [full presentation to be posted on the PlanRVA website as part of the Transit Vision Plan snapshot].

ACTION REQUESTED: The following resolution is presented for TAC review and recommendation to the RRTPO policy board at the next opportunity to assemble a quorum and take action on non-emergency business:

RESOLVED, that the Richmond Regional Transportation Planning Organization Policy Board approves the proposed service plan options and cost analysis of five corridor segments considered for enhanced transit in the near-term (five to seven years).

CANCELLED

TAC AGENDA 4/14/20; ITEM 12.

TAC Future Meeting Topics

May 12

- 2045 Long Range Growth Forecast Analysis (SE Data Analysis Report)
- 2020 Richmond Regional Structural Inventory and Assessment Report (possibly June)
- ConnectRVA 2045 Update (LRTP) – Information Item
- Regional Bicycle & Pedestrian Plan Update
- Complete Streets Toolbox

June 9

- Possible opportunity for action items from April, May
- Revision to RSTP and CMAQ Project Review, Selection, and Funds Allocation Process

Future Meeting Topics

- VTrans Statewide Transportation Plan Update