

# AGENDA

## **RICHMOND REGIONAL TRANSPORTATION PLANNING ORGANIZATION TECHNICAL ADVISORY COMMITTEE**

**Tuesday, August 13, 2019**

**9:00 a.m.**

**Richmond Regional Planning District Commission Board Room**

### **CERTIFICATION OF QUORUM**

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<b>1. Approval of Meeting Agenda</b> (Smith)..... Action Requested	–
<b>2. Public Comment Period</b> (Smith/5 minutes).....	–
<b>3. Approval of June 11, 2019 TAC Meeting Minutes</b> (Smith)..... Action Requested	1 – 6
<b>4. TAC Chairman’s Report</b> (Smith).....	–
<b>5. RRTPO Update</b> (Parsons/10 minutes)..... a. <a href="#">Current Work Efforts</a> b. <a href="#">Citilabs Cube Avenue Case Study: Sulabh Aryal</a> c. <a href="#">CTAC Meeting Report</a> d. RSTP/CMAQ Allocation Process e. PlanRVA 50th Anniversary Celebration	7 – 10
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<b>9. Ashland Complete Streets Pilot Study</b> (Jacocks/10 minutes) .....	—
<b>10. Transit Vision Plan Phase II</b> (Jacocks/10 minutes) .....	—
<b>11. Ashland Trolley Line Trail / Ashland to Petersburg Trail</b> (Parsons/10 minutes) .....	—
<b>12. TAC Open Comment</b> (TAC members) .....	—
<b>13. Future Meeting Topics</b> (Smith) .....	20
<b>14. Next TAC Meeting: September 10</b> (Smith) .....	—
<b>15. Adjournment: Scheduled for 10:15 a.m.</b> (Smith) .....	—

CAP/SA/sr  
Attachments

pc:	John H. Hodges, RRTPO Policy Board	Ron Svejksky, Tri-Cities MPO
	Richard Duran, FHWA	Martha Shickle, PlanRVA
	Daniel Koenig, FTA Liaison	TAC Interested Parties
	Jennifer DeBruhl, DRPT	Area News Media

**RICHMOND REGIONAL TRANSPORTATION PLANNING ORGANIZATION (RRTPO)**  
**TECHNICAL ADVISORY COMMITTEE (TAC)**

**MINUTES OF MEETING**  
**June 11, 2019**

**MEMBERS PRESENT**

Andrew Pompei, Chairman ..... Powhatan County  
Barbara K. Smith, Vice Chairman..... Chesterfield County  
Nora D. Amos..... Town of Ashland  
Myles Busching ..... Charles City County  
Dironna Moore Clarke ..... City of Richmond  
E. Todd Eure..... Henrico County  
Kelli Le Duc ..... New Kent County  
John O'Keefe (Alternate)..... RideFinders  
Chet Parsons..... RRPDC  
Ron Svejksky (Alternate) ..... VDOT  
Joseph E. Vidunas..... Hanover County  
Garland W. Williams..... GRTC Transit System

**MEMBERS ABSENT**

Thomas Coleman ..... Goochland County  
Tiffany Dubinsky ..... DRPT  
Mark Riblett ..... VDOT  
John B. Rutledge ..... CRAC  
Theresa Simmons ..... RMTA  
Von S. Tisdale ..... RideFinders

**ALTERNATE MEMBER PRESENT – NOT VOTING**

Sulabh Aryal (Alternate) ..... RRPDC  
Travis Bridewell (Alternate)..... City of Richmond

**Certification of Quorum**

Andrew Pompei, TAC Chairman, called the June 11, 2019 Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) meeting to order at 9:05 a.m. and Chet Parsons, RRTPO Secretary, certified that a quorum was present.

**1. Approval of Meeting Agenda**

There was a request to switch the order of agenda items 9., VDOT requested Transportation Improvement Program (TIP) Amendments, and 9.1., Transfer of RSTP Project Funds to CMAQ Funds, be switched so that the funds would be available in item 9.1. to fund the TIP amendment in item 9. On motion of John O'Keefe, seconded by Garland W. Williams, TAC unanimously approved the June 11, 2019 TAC meeting agenda as revised.

**2. Public Comment Period**

There were no requests to address TAC.

**3. Approval of May 14, 2019 TAC Meeting Minutes**

On motion of Barbara K. Smith, seconded by Myles Busching, TAC unanimously approved the May 14, 2019 TAC meeting minutes as presented.

#### 4. **TAC Chairman's Report**

Chairman Pompei had nothing to report.

#### 5. **RRTPO Update**

There was brief discussion of difficulty downloading the agenda package from the new website and difficulty navigating the very large agenda package. Chet Parsons, RRTPO Secretary, noted that the agenda is bookmarked to link the agenda listing to the relevant page in the agenda package. He said clicking the "TOP" button at the top of every page will take the user back to the agenda.

Mr. Parsons, reported on the following items:

- a. Current Work Efforts** – Several items were highlighted from the report on pages 6 and 7 of the agenda package.
- b. FY20 – FY25 RSTP and CMAQ Story Map** – Instead of producing a printed RSTBG and CMAQ Projects book this year, a story map has been prepared using ArcGIS; an online overview and demonstration was provided.
- c. TIP: Performance Based Planning and Programming** – At VDOT's request, addendums three and four dealing with performance based planning and programming were added to the TIP in Appendix F.
- d. CTAC Staff Report** – A summary of the May 16 CTAC meeting was included in the agenda package. Unwanna Dabney with AECOM provided a presentation on Citizen Participation and there was a discussion on how to engage CTAC members in the process.

#### 6. **City of Richmond Signal Retiming Project**

Michael Sawyer, City of Richmond Transportation Engineer and Vision Zero Coordinator, and representatives from Kimley-Horn, project consultants, reviewed the City of Richmond Signal Retiming Project. Enrique Burgos, City Signal System Engineer, was also present. Mr. Sawyer noted changes and growth in the City which have triggered the need for signal retiming to address pedestrian safety issues. He reviewed CMAQ-funded actions including striping over 150 signalized intersections with high-visibility crosswalks. The City adopted a Vision Zero strategy with a multimodal Complete Streets approach. Kimley-Horn representatives reviewed the city's signal retiming goals and explained what signal retiming is and the various technical considerations. The team collected data and made field observations to determine existing conditions; developed a timing plan; coordinated signal timings to cover the 315 intersections citywide; and conducted field implementation and travel time studies to evaluate. Special timing consideration is given to signal priority for bus rapid transit vehicles, leading pedestrian intervals, interstate access, and parking garages to enhance visibility, access, and opportunity for situational needs.

#### 7. **Park and Ride Investment Strategy Study Update**

Barbara Jacocks provided an introduction and brief background on the *Fiscal Year 2019 Park & Ride (P&R) Investment Strategy Study* and Kimley-Horn, study consultant, provided a more detailed presentation on the study. The project team, comprised of the Study Advisory Group (SAG), RRTPO staff and Kimley-Horn, has worked since October 2018 to provide regional perspectives; participate in project meetings, review technical memos; provide feedback to assist in identifying park and ride needs and develop project recommendations for the region. The SAG members include representatives from the region's nine jurisdictions, GRTC, DRPT, VDOT, and RideFinders. The project team has

reviewed existing conditions and needs, defined future needs, and developed project recommendations (summarized in three technical memos). The fourth and final technical memo on implementation, funding needs and sources will be completed in June and delivered to the SAG in July. The RRTPO policy board will be asked to receive the study as work complete at the September 5 meeting.

## **8. I-95 Corridor Study**

Rob Williams, VDOT Planning Division, spoke to the RRTPO policy board regarding the I-95 Corridor Improvement Plan which is being led by Ben Mannell, VDOT, with assistance from Tim White with Kimley-Horne. In the last session, the General Assembly passed House Joint Resolution 581/Senate Joint Resolution 276 which is a request to study the I-95 corridor. The study will extend from D.C. to the North Carolina state line and will examine the corridor in segments for problem identification, potential solutions and prioritized improvement recommendations. Some of the funding from the I-81 Corridor Study will provide funding for improvements for other interstate highways in Virginia to include I-95. The study will look at several measures to evaluate problems including performance measures, congestion, reliability, resiliency, and multimodal aspects of the corridor as well as current projects and recent studies. There will be three rounds of public meetings with an online component. The goal is to have everything finalized for CTB consideration in December and General Assembly review in the next session.

In response to questions, Mr. Williams clarified that there will be no new money as a result of this study and that use of the “Other Interstate” funds from the I-81 Corridor Study has not been determined. It is hoped that the I-95 Corridor Study will be complete with projects ready for selection before bonding is complete.

## **9.1 Transfer of RSTP Project Funds to CMAQ Funds**

Chet Parsons, RRTPO Secretary, noted the staff report in the agenda package and said this request from Chesterfield County to amend the FY18 – FY21 Transportation Improvement Program (TIP) to approve the transfer of \$1.25 million in Regional Surface Transportation Program (RSTP) funds to Congestion Mitigation and Air Quality (CMAQ) funds. This action would combine two geographically adjacent projects on Route 60 in Chesterfield County for cost efficiencies.

On motion of Barbara K. Smith, seconded by Joseph E. Vidunas, the Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) voted unanimously to recommend RRTPO policy board approval of the following resolution:

**RESOLVED**, that the Richmond Regional Transportation Planning Organization Policy Board amends the *FY18 – FY21 Transportation Improvement Program* (TIP) with the following transfer:

- Transfer \$1,250,000 in RSTP funds from the Route 60 (Springrock/Stonebridge Boulders) Sidewalk project (UPC 113834) to Route 60 (Boulders Parkway - Ruthers Road) Shared-Use Path (UPC 115063) – Chesterfield.

## **9. TIP Amendment: VDOT Request**

Chet Parsons, RRTPO Secretary, noted the staff report in the agenda package and reviewed VDOT's request to amend the FY18 – FY21 Transportation Improvement Program (TIP) to update three projects.

On motion of Dironna Moore Clarke, seconded by Barbara K. Smith, the Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) voted unanimously to recommend RRTPO policy board approval of the following resolution:

**RESOLVED**, that the Richmond Regional Transportation Planning Organization policy board amends the *FY18 – FY21 Transportation Improvement Program (TIP)* revising the project description and road segment for the following three projects:

- UPC 115063: Route 60 Shared-Use Path from Ruthers Road to Stonebridge Plaza Avenue - Chesterfield County.
- UPC 15955: Route 1 Intersection Improvements at Hopkins Road & Harwood Street – City of Richmond.
- UPC 64219: Main Street Station Capital Preventative Maintenance – City of Richmond.

#### **10. TIP Amendment: GRTC Request**

Chet Parsons, RRTPO Secretary, noted the staff report that was e-mailed to TAC following distribution of the agenda package. The GRTC Transit System has requested amendments to the FY18 – FY21 Transportation Improvement Program (TIP) for 21 GRTC projects. The projects were outlined in the staff report attachments. Amendments requested range from purchasing shop equipment to vehicle support with some project deletions from the TIP. In response to a question by Dironna Clarke about who is responsible for the local match for each of the projects, Garland Williams responded that the jurisdiction the project is in would provide the local match as a part of their allocations to GRTC. Mr. Williams said he would provide that information to Ms. Clarke.

On motion of Joseph E. Vidunas, seconded by E. Todd Eure, the Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) voted unanimously to recommend RRTPO policy board approval of the following resolution:

**RESOLVED**, that the Richmond Regional Transportation Planning Organization policy board amends the *FY18 – FY21 Transportation Improvement Program (TIP)* revising the following twenty-one (21) GRTC projects:

- STIP ID GRTC003: Preventive Maintenance
- STIP ID GRTC005: Transit Enhancements
- STIP ID GRTC006: Expansion Rolling Stock
- STIP ID GRTC008: Replacement Vans
- STIP ID GRTC031: Surveillance/Security Equipment
- STIP ID GRTC032: Purchase Shop Equipment
- STIP ID GRTC033: Purchase ADP Hardware
- STIP ID GRTC034: Purchase ADP Software
- STIP ID GRTC035: Purchase Support Vehicles
- STIP ID GRTC048: Expansion Rolling Stock
- STIP ID GRTC049: Paratransit Vehicles
- STIP ID GRTC050: Demolition and Expansion

- STIP ID GRTC053: Miscellaneous Support Equipment
- STIP ID GRTC054: Renovation of Yards & Shops
- STIP ID GRTC055: Employee Education/Training
- STIP ID GRTC056: Renovation of Administrative/Maintenance Facility
- STIP ID GRTC058: Southside Transfer Plaza
- STIP ID GRTC059: Non-Fixed Route ADA Paratransit Service
- GRTC00: ERP Consultant
- GRTC000: BRT Park & Ride
- GRTC0000: Downtown Transfer Plaza

## **11. LRTP Socioeconomic Data: 2045 Future Year Data Approval**

Sulabh Aryal, RRTPO Planner, reviewed the socioeconomic (SE) data development process and the establishment and membership of the SE Data Workgroup. Following recommendations for approval from the SE Data Workgroup, TAC reviewed and approved the 2017 base year data for the 2045 Long-Range Transportation Plan in November 2018. The 2045 Future Year data was developed by the SE Data Workgroup and recommended for TAC approval. Mr. Aryal noted the staff report and SE Data Report included in the agenda package. He discussed the methodology for development of the 2045 future year data and reviewed proposed data for population, households/housing units, group quarters, K-12 school/college enrollment, employment and automobiles as projected for 2045. Review comments from TAC should be submitted no later than June 15. Next steps include TAC approval and recommendation to the RRTPO policy board for approval of both the 2017 base year and 2045 future year data. Once the SE data is approved by the RRTPO policy board, data analysis will be conducted and completed in December.

On motion of Nora Amos, seconded by Kelli LeDuc, the Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) voted unanimously to recommend RRTPO policy board approval of the following resolution:

The RRTPO Technical Advisory Committee unanimously approved the 2045 Future Year Data at the Traffic Analysis Zone (TAZ), Jurisdictional and Regional levels, as presented, to be used in the Richmond/Tri-Cities (RTC) Model update process and recommend RRTPO policy board approval of both 2017 Base Year data and 2045 Future Year data.

## **12. TAC Open Comment**

- The September 10 TAC meeting date conflicts with the VDOT 2019 Local Programs Workshop in Williamsburg; staff will poll TAC members to determine if the TAC meeting needs to be rescheduled for a quorum.
- The Port is moving forward with the I-95/Bells Road Access Study and will be establishing a stakeholder committee with the first meeting on July 15.
- Public review for the FY20 UPWP closes on Friday, June 14. Several typo and formatting issues have been identified and corrected. The UPWP will go to the RRTPO policy board for consideration for adoption action.
- There will be a VTrans workshop the week of July 15.
- The Commonwealth Transportation Board identified additional SMART SCALE funds and was able to fund four additional projects in the region; final action on the Six-Year Improvement Program is scheduled for June 19.
- Revenue sharing is due July 21.

- David Hyder is leaving Crater PDC/Tri-Cities Area MPO as Director of Transportation.
- Dironna Clarke requested that the two-page information sheet on the City of Richmond Signal Retiming project be provided to the RRTPO policy board as an information item and Mr. Parsons said he would include that information in the June 27 RRTPO policy board agenda package.
- Barbara Smith requested that consideration of recommending to the RRTPO policy board a request to the CTB to add Route 288 to the Corridors of Statewide Significance for SMART SCALE be added as a TAC future meeting topic.
- GRTC reports to DRPT every fall and includes requests for additional service, so if there are any considerations of adding service in FY 21, this would be an appropriate place to begin that conversation to get that information to the state.
- Ivan Rucker reported that Richard Duran comes to the FHWA Virginia Division Office from the North Dakota Division Office and will be the point of contact for the Richmond MPO. Mr. Rucker will be transitioning on to handle the statewide program as well as freight. Mr. Duran said he is originally from Colorado and he worked in the North Dakota office about three years and said he is looking forward to working with the RRTPO organization.
- Ivan Rucker requested that the RRTPO keep FHWA informed about coordination with Tri-Cities MPO in light of Mr. Hyder's leaving.
- Barbara Jacocks said that at the request of Barbara Smith, the RRTPO is considering holding a transit workshop following the August 13 TAC meeting. This would be a three-hour participatory workshop for TAC and other staff members led by Scudder Wagg with Jarratt Walker to look at ways to build upon the Phase II Transit Vision Plan.

### **13. Future Meeting Topics**

Chairman Pompei noted the list of future meeting topics is included in the agenda package and there is the addition of one topic from Barbara Smith on Route 288 inclusion as a COSS. He said the main action item at the June meeting will be approval of the LRTP Socioeconomic Data.

### **14. Next TAC Meeting: August 13 (July 9 Meeting Canceled)**

Chairman Pompei said the July TAC meeting is canceled and the next TAC meeting is scheduled for Tuesday, August 13, 2019 at 9:00 a.m.

### **15. Adjournment: Scheduled for 10:35 a.m.**

Chairman Pompei adjourned the meeting at approximately 10:40 a.m.



## **Current Work Efforts Update**

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

The Complete Streets project is a comprehensive region-wide analysis of specific design practices and principles that make a street function effectively for all users and modes of travel. Smart Growth America and Michael Baker International are the project consultants. Due to its urban, suburban and rural character, the Town of Ashland was selected for pilot project for consideration of complete streets principles in the region. Building on input from the first workshops in April and June, the team is preparing the draft framework report. This report will guide staff in preparing a regional complete streets toolbox for use by the localities in their own planning and ordinance revisions. A regional public meeting is being planned for late September to engage community members in complete streets concepts and practices that can be used in the region to make the street network safer and more economical for all users.

### **Park and Ride Investment Strategy Study**

The fourth and final technical memo on implementation and funding sources has been shared with the Study Advisory Committee for their review and comment. The assimilation of all the technical memos will constitute the final report and foundation for a more illustrative story map. This will be prepared by TPO staff and shared with the committee at their final meeting in September. The report and story map will be presented by the staff to the TAC and Policy Board in September/October.

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

The purpose of this study is to identify the potential for a 14-mile multi-use trail using the abandoned trolley line corridor and other rights-of-way to link the Town of Ashland through Hanover and Henrico counties to the northern edge of the City of Richmond. The National Park Service through their Rivers, Trails and Conservation Assistance (RTCA) Virginia program has assisted staff in guiding individual localities on site specific field trips to explore barriers and opportunities for linking segments. The Ashland Trolley Line Trail advisory group will meet again in late August or September. This work is being coordinated with the VDOT Ashland to Petersburg Trail plan.

### **Greater RVA Transit Vision Plan: Phase II**

Phase II of this project involves a strategic technical analysis to identify a range of short-term (1-5 years) and medium-term (6-10 years) needs and options for transit services, transit preferential treatments, if any, and transit-oriented land uses that would advance the next incremental steps toward reaching the *transit2040* plan long-term goals for implementation. Phase II focuses on the 20 corridors identified in the *transit2040* vision for high-frequency service by 2040. The first project steering committee meeting is being held on August 9. The consultant will share their recommendations of the first-cut of the top tier corridors/segments where the data indicates enhanced transit is most likely to be successful in the near term. Committee members will add their own qualitative criteria to the discussion with

the goal of reaching consensus on the 6-10 corridors/segments that will go forward for more detailed study. The steering committee will meet three more times over the next five months to complete the Phase II Plan by December.

**Transit Network Design Workshop, August 13, 11:00 a.m.-2:30 p.m.**

Immediately following the TAC meeting, this workshop is designed for “those who interact with transit planning in their work but don’t necessarily do it themselves,” including land use planners, urban designers, traffic engineers and transit advocates. Led by Scudder Wagg of Jarrett Walker + Associates, the workshop will be built around a group exercise through which participants work together to design transit networks for a fictional city, based on geography and a set of cost limitations. Issues to be covered include network design, service frequency, basic capital and operation costs. The exercise will be followed by a debrief session of the major trade-offs of transit network planning and how they might be considered in implementing the 2040 Greater RVA Transit Vision Plan (transit 2040). RSVP for light lunch by August 9 to [srobeson@planrva.org](mailto:srobeson@planrva.org).

**RRTPO Active Transportation Work Group Meeting  
Tuesday September 10 (11:00 a.m. – 12:30 p.m.)**

Immediately following the TAC meeting, this quarterly work group presents and discusses topics related to bicycle and pedestrian infrastructure and health lifestyle and transportation options for the Richmond region. The agenda for this meeting is still being planned, but should include updates on the Ashland to Petersburg study and the Trolley Line Trail planning efforts. Open to the public. Contact Phil Riggan [priggan@planrva.org](mailto:priggan@planrva.org).

**Scenario Planning Workshop  
Wednesday, August 21 (9:00 a.m. – 5:00 p.m.)**

The workshop will focus on noteworthy practices of scenario planning with the goal of creating a scenario planning process design for the RRTPO 2045 Long Range Transportation Plan. Our aim is to inform staff of ways to make the transportation plan more integrated with the growth of the entire region and how to better predict impacts of the LRTP for everyone. RSVP for workshop and box lunch by August 16 to [srobeson@planrva.org](mailto:srobeson@planrva.org)

## MEMORANDUM

**To:** Richmond Regional Transportation Planning Organization (RRTPO) Policy Board  
RRTPO Technical Advisory Committee

**From:** Kenneth Lantz, Jr., RRTPO Mobility Manager *KLJ*

**Date:** July 29, 2019

**Subj:** RRTPO Community Transportation Advisory Committee (CTAC) Meeting Report

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The following is a brief report on major discussion items from the July 18, 2019 CTAC meeting.

### **CTAC Strengths, Weaknesses, Opportunities and Threats Assessment**

Ken Lantz, CTAC Project Manager, reviewed the results of a CTAC Strengths, Weaknesses, Opportunities and Threats Assessment survey that was completed by 13 CTAC members. The following survey questions received the highest and lowest scores for each category:

#### **Strengths**

High: Loyal and dedicated members

Low: Committee members are ideal candidates for an agency speaker's bureau

#### **Weaknesses**

High: Success depends upon participants feeling that they are being heard and have a stake in decision-making

Low: Turnover of agency and organization staff has made it difficult to maintain full committee membership

#### **Opportunities**

High: CTAC can help identify opportunities for obtaining public input on the long-range plan, TIP and UPWP

Low: Students can serve as a connection to linguistically isolated' low literacy households and (tie) use of school PTA meetings as a forum to increase public participation is a proactive strategy to involve more minority and low-income residents

### Threats

High: Tracking and managing habitual absenteeism has proven to be challenging and has not improved overall attendance levels

Low: An increase in committee membership may dilute members' voting strength and the ability to reach consensus

Mr. Lantz noted that the results of the survey will help to guide the administration of CTAC as well planning for future CTAC meetings.

### **Richmond Regional Park and Ride Investment Strategy**

Barbara Jacocks, Transportation Planner, provided an overview of the regional park and ride lot investment study. Her presentation covered the project purpose, why the project is important, previous efforts, desired outcomes, the project scope, existing conditions, recommended lots, an overall evaluation methodology, project recommendations, and an implementation strategy.

### **Next CTAC Meeting**

The next CTAC meeting is scheduled for Thursday, September 19, 2019.

KEL/

## **TAC AGENDA 8/13/19; 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 a request from VDOT to amend the FY18 – FY21 Transportation Improvement Program (TIP) to add three new projects.

**BACKGROUND:** The RRTPO policy board has received a request from VDOT to amend the TIP to add three new projects. Amendment details are outlined below:

- UPC 115193: Road Diet Study at Route 637/ Hopkins Road, Turner Road, Whitepine Road – Chesterfield County.  
RRTPO allocated \$300,000 RSTBG funds in FY20.
- UPC 115202: Countywide Sidewalk Plan – Chesterfield County.  
RRTPO allocated \$150,000 RSTBG funds in FY20.
- UPC 115534: Hopkins Road/Chippenham Parkway Interchange Modification Report (IMR) – Chesterfield County  
RRTPO allocated \$500,000 RSTBG funds in FY20.

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

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

- UPC 115193: Road Diet Study at Route 637/ Hopkins Road, Turner Road, Whitepine Road – Chesterfield County (various); \$300,000 RSTBG funds allocated in FY20; exempt under Planning and Technical Studies.
- UPC 115202: Countywide Sidewalk Plan – Chesterfield County (countywide); \$150,000 RSTBG funds allocated in FY20; exempt under Planning and Technical Studies, Bicycle and Pedestrian Facilities.
- UPC 115534: Hopkins Road/Chippenham Parkway Interchange Modification Report (IMR) – Chesterfield County; \$500,000 RSTBG funds allocated in FY20; exempt under Planning and Technical Studies.

Attachments  
CAP/jl

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

## Chesterfield

**UPC 115193**

**Jurisdiction:** Chesterfield County  
**Route/Street:** 637/Hopkins, Turner, Whitepine  
**Description:** Road Diet Study  
**From:** Various  
**To:** Various  
**System:** Secondary  
**Administered By:** Locally  
**MPO Note:**



### Schedule

Phase	Start	End	Status
Preliminary Engineering (PE):	10/10/2019	2/2/2021	FFY20
Right of Way (RW):			
Construction (CN):			

*No Image Available*

### Cost Estimates / Previous Obligations

#### Cost Estimates

PE:	\$300,000
RW:	\$0
CN:	\$0
<b>Total:</b>	<b>\$300,000</b>

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	RSTP	\$60,000	\$0	\$240,000	\$0	\$0

### Amendments

**Amd 79** 9/5/2019 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY19 and obligate \$240,000 RSTP funds (match \$60,000).

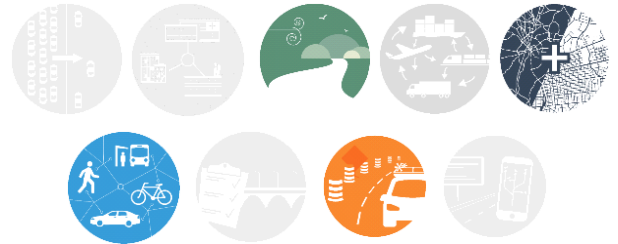
Date Requested 7/22/2019

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

## Chesterfield

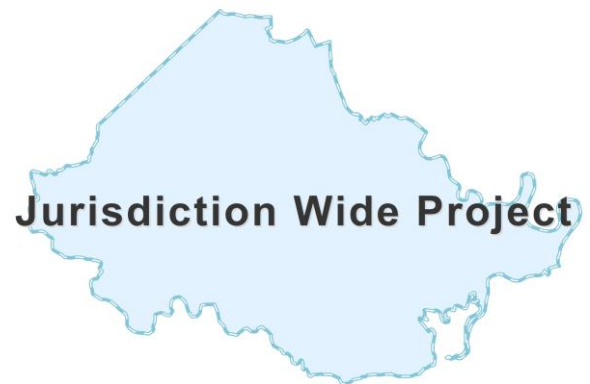
**UPC 115202**

**Jurisdiction:** Chesterfield County  
**Route/Street:** Various  
**Description:** Countywide Sidewalk Plan  
**From:** Various  
**To:** Various  
**System:** Enhancement  
**Administered By:** Locally  
**MPO Note:**



### Schedule

Phase	Start	End	Status
Preliminary Engineering (PE):	10/31/2019	5/21/2021	FFY20
Right of Way (RW):			
Construction (CN):			



### Cost Estimates / Previous Obligations

<b>Cost Estimates</b>	
PE:	\$150,000
RW:	\$0
CN:	\$0
<b>Total:</b>	<b>\$150,000</b>

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	RSTP	\$30,000	\$0	\$120,000	\$0	\$0

### Amendments

**Amd 80** 9/5/2019 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY19 and obligate \$120,000 RSTP funds (match \$30,000)

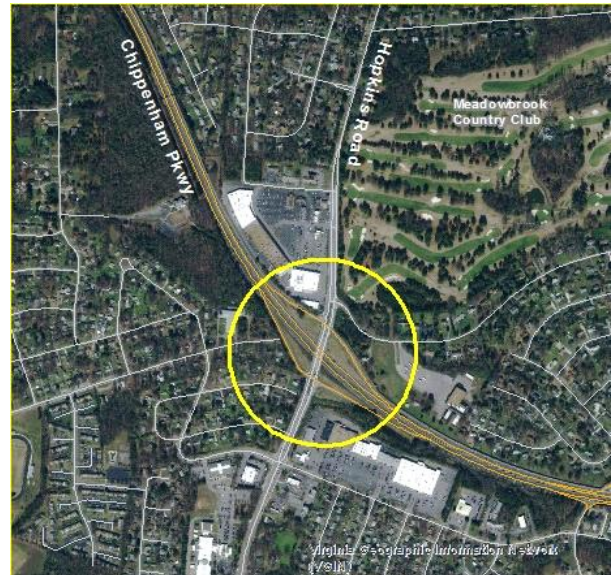
Date Requested 7/22/2019

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

## Chesterfield

**UPC 115534**

**Jurisdiction:** Chesterfield County  
**Route/Street:** 150/Hopkins Rd/Chippenham Pkwy  
**Description:** Hopkins/Chippenham Interchange Modification Report (IMR)  
**From:** Various  
**To:** Various  
**System:** Primary  
**Administered By:** Locally  
**MPO Note:**



### Schedule

Phase	Start	End	Status
Preliminary Engineering (PE):	10/4/2019	6/1/2021	FFY20
Right of Way (RW):			
Construction (CN):			

### Cost Estimates / Previous Obligations

#### Cost Estimates

PE:	\$500,000
RW:	\$0
CN:	\$0
<b>Total:</b>	<b>\$500,000</b>

### Federal Obligations

Phase	Fund Source	Match	Federal Obligations			
			FY18	FY19	FY20	FY21
PE	RSTP	\$100,000	\$0	\$400,000	\$0	\$0

### Amendments

**Amd 81** 9/5/2019 Approved

1). This is a new project added to the TIP. 2). Add PE phase to FY19 and obligate \$400,000 RSTP funds (match \$100,000).

Date Requested 7/22/2019



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

### Project Amendments - Tracking Records

**Amd 79    115193    Chesterfield County    Road Diet Study**

9/5/2019 Approved 1). This is a new project added to the TIP. 2). Add PE phase to FY19 and obligate \$240,000 RSTP funds (match \$60,000).  
Date Requested 7/22/2019

**Amd 80    115202    Chesterfield County    Countywide Sidewalk Plan**

9/5/2019 Approved 1). This is a new project added to the TIP. 2). Add PE phase to FY19 and obligate \$120,000 RSTP funds (match \$30,000).  
Date Requested 7/22/2019

**Amd 81    115534    Chesterfield County    Hopkins/Chippenham Interchange Modification Report (IMR)**

9/5/2019 Approved 1). This is a new project added to the TIP. 2). Add PE phase to FY19 and obligate \$400,000 RSTP funds (match \$100,000).  
Date Requested 7/22/2019

## **TAC AGENDA 8/13/19; ITEM 7.**

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

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

**REQUESTED ACTION:** Review and recommend to the Richmond Regional Transportation Planning Organization (RRTPO) policy board a request from DRPT to amend the FY18 – FY21 Transportation Improvement Program (TIP) to add a new project.

**BACKGROUND:** The RRTPO policy board has received a request from DRPT to amend the TIP to add a new project. Amendment details are outlined below:

- UPC T22896: Cash for Carpool Incentive Program – RideFinders  
This is a 12-month cash incentive program to encourage formation of new carpools in the greater Richmond region. The program aims not only to help form new carpools, but also maximize capacity in existing carpools.  
The RRTPO allocated \$135,000 CMAQ funds in FY2020 for this project.

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

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

- UPC T22896: Cash for Carpool Incentive Program – RideFinders; \$135,000 in CMAQ funds allocated in Fiscal Year 2020; and

**BE IT FURTHER RESOLVED**, that this project is considered exempt from conformity under provisions contained in section 93.126 of the conformity rule under Air Quality – Continuation of ride-sharing and van-pooling promotion activities at current levels.

Attachments  
CAP/jl

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

## RideFinders

UPC T22896

**Jurisdiction:** DRPT  
**Route/Street:** RideFinders  
**Description:** Cash for Carpool Incentive Program  
**From:** Regionwide  
**To:**  
**System:** Public Transportation  
**Administered By:** DRPT  
**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:**

### Federal Obligations

Fund Source	Federal Obligations			
	FY18	FY19	FY20	FY21
State	\$0	\$0	\$27,000	\$0
CM	\$0	\$0	\$108,000	\$0

### Amendments

**Amd 78**      9/5/2019 Approved

1). This is a new project added to the TIP. 2). Obligate \$108,000 CMAQ funds (match \$27,000) to FY20.

Date Requested 6/24/2019

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

### Project Amendments - Tracking Records

Amd 78	T22896	DRPT	Cash for Carpool Incentive Program
9/5/2019	Approved	1). This is a new project added to the TIP. 2). Obligate \$108,000 CMAQ funds (match \$27,000) to FY20.	
	Date Requested	6/24/2019	

## **TAC AGENDA 8/13/19; ITEM 8.**

### **RTDM Consultant Task 5: DTA Subarea Model Development**

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

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

**BACKGROUND:** In September 2015, RRTPO hired an on-call consultant to provide assistance to RRTPO staff in the regional transportation planning application of the Richmond-Tri-Cities (RTC) Travel Demand Model. Consultants have completed five work tasks so far. RRTPO staff has given the TAC periodic presentations after the completion of each work task. Staff has already updated TAC of the following four work tasks:

1. Work Task 1: Model Documentation
2. Work Task 2: Highway Analysis
3. Work Task 3: Transit Analysis
4. Work Task 4: Freight Analysis

#### **Work Task 5: Dynamic Traffic Assignment (DTA) Subarea Model Development**

The RRTPO regional travel demand model (RTC Model), like most travel demand models, is a macroscopic model and has a Static Traffic Assignment (STA) procedure that assigns the origin-destination demand to the roadway network. The STA models do not consider the queue spillbacks when determining the route choice. Dynamic Traffic Assignment (DTA) models are mesoscopic models and account for the propagation of queues due to congestion. Within a model period, shorter time segments are assumed in DTA.

The Consultants were tasked to develop a subarea mesoscopic DTA (dynamic traffic assignment) model with special emphasis on application for traffic impact analysis and sensitivity testing. The Streetlight InSight OD data and HERE Speed Data were used in this process. This application will enable multi-resolution modeling analysis for RRTPO.

RRTPO produces an annual list of the top interstate and freeway bottlenecks in the Richmond region based on INRIX travel time data. One of the top recurring bottlenecks - the eastern end of the I-95/I-64 overlap and the surrounding half-mile buffer area including Route 250 and Route 1 were selected as the study area (DTA subarea).

## **TAC AGENDA 8/13/19; ITEM 13.**

### **Upcoming TAC Future Meeting Topics**

#### **September 10**

- Congestion Management Process Update
- Park and Ride Investment Strategy Study
- RSTP and CMAQ Allocation Process
- Transit Vision Plan Phase II: Recommended Corridors for Study
- FY20 UPWP Budget Amendment

#### **October 8**

- LRTP Draft Scope and Schedule
- LRTP Workgroup
- SMART SCALE
- Performance Measures - 2019 Report
- TIP Update – Process Overview

#### **November 12**

- Mid-Year UPWP Budget Amendment
- FY21 UPWP Priorities
- Ashland to Petersburg Trail

#### **December 5 (consider canceling)**

#### **Future Meeting Topics**

- Long-Range Transportation Plan (LRTP) Update
- VTrans Statewide Transportation Plan Update
- Planning for Connected and Autonomous Vehicles
- 5G
- East Coast Greenway
- Strategic Highway Safety Plan
- Add Route 288 as a Corridor of Statewide Significance