

AGENDA

RICHMOND REGIONAL TRANSPORTATION PLANNING ORGANIZATION TECHNICAL ADVISORY COMMITTEE

Tuesday, September 10, 2019

9:00 a.m.

Richmond Regional Planning District Commission Board Room

CERTIFICATION OF QUORUM

INTRODUCTIONS

- Adrienne Torres, TAC member, GRTC Transit System
- Raquel Aguirre, Alternate TAC member, GRTC Transit System

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13. Adjournment: Scheduled for 10:10 a.m. (Smith)	–

CAP/SA/sr
Attachments

pc:	John H. Hodges, RRTPO policy board Chair Richard Duran, FHWA Ivan Rucker, FHWA Daniel Koenig, FTA Liaison Jennifer DeBruhl, DRPT	Ron Svejksky, Tri-Cities MPO Martha Shickle, PlanRVA TAC Interested Parties Area News Media
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RICHMOND REGIONAL TRANSPORTATION PLANNING ORGANIZATION (RRTPO)
TECHNICAL ADVISORY COMMITTEE (TAC)

MINUTES OF MEETING
August 13, 2019

MEMBERS PRESENT

Barbara K. Smith, Chairman.....Chesterfield County
Nora D. Amos, Vice Chairman.....Town of Ashland
Dironna Moore ClarkeCity of Richmond
Thomas ColemanGoochland County \\\nTiffany Dubinsky DRPT
E. Todd Eure..... Henrico County
Kelli Le Duc New Kent County
Chet Parsons.....RRPDC
Andrew Pompei Powhatan County
Mark Riblett VDOT

MEMBERS ABSENT

John B. Rutledge CRAC
Theresa Simmons RMTA
Von S. Tisdale RideFinders
Joseph E. Vidunas..... Hanover County
Garland W. Williams.....GRTC Transit System

ALTERNATE MEMBERS PRESENT – NOT VOTING

Jasmine Amanin (Alternate) VDOT
Sulabh Aryal (Alternate)RRPDC

Certification of Quorum

Barbara K. Smith, TAC Chairman, called the August 13, 2019 Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) meeting to order at 9:05 a.m., and Chet Parsons, RRTPO Secretary, noted that a quorum was not yet present. The decision was made to begin the meeting with non-action items beginning with the Chairman’s Report.

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 – Several work efforts from this report were highlighted including the first meeting of the Transit Vision Plan: Phase II Steering Committee; the study is focused on short- and medium- term projects recommended in the Transit Vision Plan. Following the TAC meeting, there is a Transit Network Design Workshop meeting until about 2:30 p.m. Wednesday, August 21, there is an all-day Scenario Planning Workshop which was awarded to the RRTPO by the national Scenario Planning Consortium; the focus will be on noteworthy practices of scenario planning.

- b. CitiLabs Cube Avenue Case Study: Sulabh Aryal – Mr. Aryal said based on work on Regional Travel Demand Model Task 5, staff submitted an application to the Transportation Research Board (TRB) planning application conference which was selected and presented at the conference in June. Staff used CitiLabs Cube Avenue Software. CitiLabs found the presentation helpful and published a summary of the report in a blog on their website.
- c. CTAC Meeting Report – The report reviews what was done at the last CTAC meeting in July including a summary of CTAC survey results; the next meeting is scheduled for September 19. TAC members were encouraged to speak with CTAC members about items they may need to consider.
- d. RSTP/CMAQ Allocation Process – Myles Busching, former Charles City County TAC member, is now a PlanRVA employee and will be working with the RSTP and CMAQ funding programs; this process begins in September and information on the process is forthcoming.
- e. PlanRVA 50th Anniversary Celebration – Invitations have been sent out for a celebration on Thursday, September 12; if a TAC member did not receive one, they should let staff know. Former staff and members have been invited.

Chairman Smith reported that a quorum was present and proceeded with items not already addressed in agenda order.

1. Approval of Meeting Agenda

There were no requests to amend the August 13 TAC meeting agenda and the agenda stood as presented.

2. Public Comment

There were no requests to address TAC.

3. Approval of June 11, 2019 TAC Meeting Minutes

On motion of Andrew Pompei, seconded by Mark Riblett, TAC unanimously approved the June 11, 2019 TAC meeting minutes as presented.

6. TIP Amendments: VDOT Request

Chet Parsons, RRTPO Secretary, briefly reviewed a request from VDOT to amend the FY18 – FY21 Transportation Improvement Program (TIP) to add three new projects. Mark Riblett noted a correction to category of exemption from air quality conformity for project UPC 115534, Hopkins Road/Chippenham Parkway Interchange Modification Report saying the project is exempt under Planning and Technical Studies.

On motion of Mark Riblett, seconded by Tiffany Dubinsky, the Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) unanimously recommended RRTPO 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 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.

7. TIP Amendment: DRPT Request

Chet Parsons, RRTPO Secretary, summarized the request from the Department of Rail and Public Transportation (DRPT) to amend the TIP to add a new project, Cash for Carpool Incentive Program – RideFinders allocating \$135,000 in Congestion Mitigation and Air Quality (CMAQ) funds.

On motion of Tiffany Dubinsky, seconded by Mark Riblett, the Richmond Regional Transportation Planning Organization (RRTPO) Technical Advisory Committee (TAC) unanimously recommended RRTPO 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:

- 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.

8. Regional Travel Demand Model: Task 5

Sulabh Aryal, RRTPO staff, reviewed the hiring of an on-call consultant in September 2015 to assist in the regional transportation planning application of the Richmond / Tri-Cities RTC Travel Demand Model. Four of the five completed work tasks have been reported to TAC and Mr. Aryal reported on Work Task 5: Dynamic Traffic Assignment (DTA) Subarea Model Development. Mr. Aryal said the RTC model is a macroscopic model and discussed the technical aspects of the model, the specific tasks assigned to the consultants, and the types of data selected for the traffic analysis and sensitivity testing process. He explained the model calibration process and the components of scenario testing. The conclusion was that the DTA model will provide the capabilities to analyze bottlenecks without expensive data collection. Mr. Parsons noted the 15-minute time slices apparent in the animation shown on the screen.

9. Ashland Complete Streets Pilot Study

Barbara Jacocks, RRTPO staff, reviewed the status of this planning effort which will be translated into a toolbox of strategies and practices for Complete Streets development in the region. Two workshops have been held in the Town of Ashland which have been very well attended by participants throughout the region to talk about how to make streets safer and useful for all modes of travel and how to capitalize on the existing networks to increase transit and enhance

bike/ped opportunities. A report of the findings and conclusions from these workshops has been received from Michael Baker International and Smart Growth America. The report will be edited and

There will a public meeting, in open house format, on Monday, September 23, which will be held at a public library that is transit accessible and centrally located in the region. Information will be shared from the Ashland review and discussion will center on how the principles can be applied within each of the region's localities. More details on this meeting will be provided later.

10. Transit Vision Plan Phase II

Barbara Jacocks, RRTPO planner, reported the Steering Committee met and developed a first-cut analysis of steps that may be taken in the region to begin implementation of the Greater RVA Transit Vision Plan over the next five to six years. Sarah Sciarrino and Ben Chambers with Kimley-Horn provided a presentation focused on Phase II which addresses evaluation of 20 high-frequency routes. They reviewed the Phase II Analysis Plan, screening methodology, and draft Phase II Initial Segments. The next steps include revision of initial segments based on stakeholder feedback; a detailed analysis of initial segments; development of a recommended level of transit service for each corridor; and a prioritized package of corridors for near-term implementation. The Steering Committee is scheduled to complete work in January 2020.

11. Ashland Trolley Line Trail / Ashland to Petersburg Trail

Chet Parsons, RRTPO Secretary, reported that the Study Advisory Group (STAG) met for the second time two weeks ago. He said this project is convened by VDOT and they started with six corridors from Ashland to Petersburg and the list of possibilities has been narrowed to one, though there is still refinement being done to the corridors. The Ashland to Petersburg Trail is dovetailing well with the Ashland Trolley Line Trail. Once the alignment is decided, regional stakeholders will assist with decisions on how to take the Ashland Trolley Line Trail forward with due consideration to environmental issues and other issues.

12. TAC Open Comment

There were no comments from TAC members.

13. Future Meeting Topics

Chairman Smith noted the list of future meeting topics included in the agenda package and suggested that TAC members begin looking at project estimates to be sure they are up to date for the upcoming round of RSTP and CMAQ applications. Mr. Parsons noted there may be an FY20 UPWP budget amendment in September; the Congestion Management Process will also be on the agenda. Mr. Parsons attended a Transportation Performance Measures Workshop and some of the information presented will be integrated into the RRTPO process.

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

Chairman Smith noted the next TAC meeting is scheduled for Tuesday, September 10, 2019 at 9:00 a.m.

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

Chairman Smith adjourned the meeting at approximately 9:50 a.m.

Current Work Efforts Update

Ashland Complete Streets Pilot Project

Complete Streets-Safer Streets/Stronger Economies will be the focus of a public open house on **Monday, September 23, 2019 from 4:00-7:00 p.m.**, at the Henrico County Tuckahoe Library. Facilitated by Smart Growth America and Michael Baker International, the open house will provide an opportunity for attendees to review recommendations and participate in hands-on exercises to learn about the elements that contribute to a more comprehensive process for implementing Complete Streets practices. Due to its urban, suburban and rural character, the Town of Ashland has served as the pilot community, contributing to a region-wide analysis of specific design practices and principles that make streets function effectively for all users and all modes of travel. The findings from this pilot project will be used to create a Complete Streets toolkit for the region's localities to consider as they plan, design and maintain their travel networks.

Park and Ride Investment Strategy Study

All four technical memos have been completed and reviewed by the project advisory committee. The RRTPO staff will work with Kimley Horn to edit the technical memos into a final report and complete the illustrative story map. The final committee meeting is being scheduled for mid-September with presentations planned for the Technical Advisory Committee meeting in October and the RRTPO policy board meeting in December.

Ashland Trolley Line Trail Study

The Ashland Trolley Line Trail advisory group met on August 14 and is working in concert with the VDOT Ashland to Petersburg Trail Study. The next steps are to identify segments of independent utility along the conceptual 14-mile route from Ashland to the City of Richmond. Henrico County is exploring funding for an initial segment of the trail in conjunction with utility work being done along Spring Run in the Lakeside area. Field visits to additional segments are planned for the fall with the next committee meeting planned for early December.

Greater RVA Transit Vision Plan: Phase II

Phase II focuses on the 20 corridors identified in the *transit2040* vision for high-frequency service by 2040. The Kimley Horn team has shared its initial recommendations for the first cut of near term enhanced transit corridors with the steering committee, RRTPO Technical Advisory Committee (TAC) and the RRTPO Policy Board. Kimley Horn is working on the next phase of analysis for the selected corridors and will share their results with the committee in October, TAC in November, and RRTPO Policy Board in December.

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

Following the TAC meeting, this quarterly work group presents and discusses topics related to bicycle and pedestrian infrastructure, healthy lifestyle and transportation options for the Richmond region. The September meeting will focus on regional greenways with presentations by the University of Richmond on the Gambles Mill Eco-Corridor and the James River Park System Master Plan. Contact Phil Riggan (priggan@planrva.org) for more information.

TAC AGENDA 9/10/19; ITEM 5.c.

TIP ADMINISTRATIVE UPDATE – PROJECT GROUPINGS

Richmond Regional Transportation Planning Organization

REQUESTED ACTION: No action is necessary; this is an information item. This administrative change will take effect immediately and be carried over to the new 2021-2024 STIP.

BACKGROUND: Virginia's Statewide Transportation Improvement Program (STIP) is a federally required four-year transportation improvement program that identifies those capital and non-capital surface transportation projects (or phases of projects) within the boundaries of the State that will utilize Federal funding. The STIP must also contain all regionally significant projects requiring an action by the Federal Highway Administration (FHWA) or the Federal Transit Administration (FTA) whether or not the projects are to be funded with Federal funding. The statewide prioritized list of projects, which includes the Virginia Department of Transportation (VDOT) and the Virginia Department of Rail and Public Transportation (DRPT) projects separately organized, is developed by the Commonwealth, in conjunction with the designated Metropolitan Planning Organizations (MPO), where applicable.

The STIP must be consistent with the long-range statewide transportation plan, metropolitan long-range transportation plans, and the Transportation Improvement Programs (TIPs). Each MPO TIP must be included without change in the STIP, directly or by reference. The incorporation, without change, of the TIPs into the STIP demonstrates the Governor of Virginia's approval of the TIPs.

Grouped Projects: The grouping of projects allows flexibility and reduces paperwork for programming minor projects. Projects that are not considered to be of appropriate scale for individual identification in a given program year may be grouped by function, work type, and/or geographic area using the applicable classifications under 23 CFR 771.117(c) and (d) and/or 40 CFR part 93. In nonattainment and maintenance areas, project classifications must be consistent with the "exempt project" classifications contained in the EPA's transportation conformity regulations (40 CFR part 93, subpart A). Additionally, projects proposed for funding under 23 USC Chapter 2 that are not regionally significant may be grouped.

By agreement, public transportation projects and studies receiving FTA grant assistance will not be grouped in the STIP. In addition, a public transportation project not grouped by an MPO in its TIP will not be grouped in the STIP.

VDOT will track projects added to each project grouping and make that information available to RRTPO using VDOT STIP Grouping Tracking Sheets and other methods jointly agreed to by VDOT and PlanRVA staff.

TAC AGENDA 9/10/19; ITEM 7.

CONGESTION MANAGEMENT PROCESS (CMP) UPDATE 2019

Richmond Regional Transportation Planning Organization

REQUESTED ACTION: Recommendation of the 2019 Congestion Management Process (CMP) for Richmond Regional Transportation Planning Organization (RRTPO) review and approval at the October 3 RRTPO meeting.

BACKGROUND: The Congestion Management Process (CMP) serves as a systematic process for addressing congestion by providing information on transportation system performance and proposing use of alternative strategies and programs to help alleviate congestion. In addition, MPO planning regulations require the RRTPO to address congestion management through a process that provides for safe and effective integrated management and operation of the multimodal transportation system, based on a cooperatively developed and implemented metropolitan-wide strategy of new or existing transportation facilities eligible for funding under title 23 U.S.C. and title 49 U.S.C. Chapter 53, through the use of travel demand reduction and operational management strategies (see Section 450.320 (a) of the MPO planning regulations).

The 2019 Congestion Management Process, an update of the 2016 CMP Technical Report, is outlined on the Congestion Management page of the RRPDC website at planrva.org/transportation/cmp/. The process evaluates the current conditions of the regional CMP network, using performance measures from various data sources to identify congested corridors and safety needs.

The RRTPO partners with FHWA, VDOT, and the I95 Corridor Coalition to access the data and tools necessary for analyzing INRIX (vehicle probe) data. The RRTPO has been monitoring system performance using the CATT Lab's Probe Data Analytics since 2014. Safety needs are analyzed using accident data from VDOT in the form of "Potential for Safety Improvement" (PSI). The process has been updated to include data provided by VDOT to report on the reliability of the network to comply with federal performance measures.

The CMP identifies strategies to improve the performance of the network and informs the planning products of the RRTPO, UPWP, RSTBG and CMAQ allocations, LRTP, and TIP.

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 approves the 2019 Congestion Management Process as presented.

TAC AGENDA 9/10/19; ITEM 8.

2045 LONG-RANGE TRANSPORTATION PLAN: SCOPE, SCHEDULE, ADVISORY COMMITTEE

Richmond Regional Transportation Planning Organization

REQUESTED ACTION: Review and recommend to the Richmond Regional Transportation Planning Organization (RRTPO) policy board that a Long-Range Transportation Plan (LRTP) Advisory Committee be established for the purpose of providing input and oversight in the development of the 2045 Long Range Transportation Plan.

BACKGROUND: The Long-Range Transportation Plan (LRTP) is a significant decision tool to guide how the RRTPO and its partners will meet the transportation needs of the Richmond region over the next 20 years and beyond. The RRTPO staff is updating the region's long-range transportation plan (LRTP). The LRTP is a fiscally constrained 20-year planning horizon document that simultaneously develops a vision and goals for the region but also reflects the application of those programmatic transportation goals to project prioritization. The LRTP also includes financial components that demonstrate how the recommended transportation plan can be implemented. Federal regulation requires that each MPO develop an LRTP plan with at least a 20-year horizon. Federal regulations now also require the LRTP to have a performance-based planning focus as its foundation. This means the LRTP will apply a systematic review of transportation system performance – past, present and possible future – to define the region's investment priorities. The LRTP must be updated at least every five years to remain consistent with existing conditions, and to re-evaluate proposed plans, programs, and projects. The 2045 LRTP is due by September 2021.

As part of this update, the general scope and timeline for the LRTP will be shared. Staff will also brief the TAC on scenario planning and a proposed scenario plan component of the LRTP as part of the scope overview.

The LRTP Advisory Committee (AC) may be composed of TAC representatives plus additional stakeholders. The AC will meet often over the planning timeframe with more frequent meetings around specific milestones. The AC will spearhead the development of the LRTP with autonomy to make decisions guiding the process and outcomes.

Staff will develop a recommended AC roster and distribute to TAC and CTAC for review. The RRTPO policy board will be asked to approve the AC at its October 3, 2019 meeting.

TAC AGENDA 9/10/19; ITEM 9.

RSTP/CMAQ APPLICATION SCHEDULES

Richmond Regional Transportation Planning Organization

REQUESTED ACTION: No action is requested; this is an information item on the process and schedule for the FY21 – FY26 RSTP and CMAQ application cycle.

All RSTP and CMAQ applications, as well as supplemental materials, are due by 5:00 p.m. on Friday, November 1, 2019. Late submittals will not be accepted.

Applicants are encouraged to submit applications through the Google Forms process established in 2015. The various forms have been consolidated and will all be accessed through the same link this year. Submitting the applications via Google Forms facilitates easier data management and significantly streamlines the application review process. The application window for the FY21 – FY26 RSTP and CMAQ cycle will open on September 16, 2019 and close on November 1, 2019.

The RSTP and CMAQ process schedule is attached for review. Additional information for both processes will be provided at the TAC meeting. The application link will be sent to TAC members and eligible applicants via email on Friday, September 13, 2019.

Attachment
MAB

	Sep 2019			Oct 2019			Nov 2019			Dec 2019			Jan 2020			Feb 2020			Mar 2020			Apr 2020			May 2020			Jun 2020		
Application Period																														
Existing Projects Initial Review																														
Project Screening																														
Locality/Applicant Meetings																														
Advancing Projects List																														
Preliminary Report - TAC																														
Project Scoring																														
Project Scoring - Internal																														
Existing Projects																														
Project Prioritization																														
VDOT Programming Review																														
New Project Recommend. - TAC																														
Final Allocations Review - RRTPO																														
Final Submittal																														
CTB Approval SYIP																														

Task	Key Dates
Applications Open	9/16/2019
Applications Due	11/1/2019
Advancing Project List Released	12/20/2019
Existing Projects Recommendation - TAC	2/11/2020
New Projects Recommendation - TAC	3/10/2020
Final Allocations Review - RRTPO	4/2/2020
Submit to VDOT for SYIP	4/10/2020
CTB Approval SYIP	June 2020

TAC AGENDA 8/13/19; ITEM 13.

Upcoming TAC Future Meeting Topics

October 8

- LRTP Draft Scope and Schedule
- LRTP Workgroup
- Transportation Performance Measures - 2019 Report
- Transit Vision Plan Phase II: Corridor Analysis
- Park and Ride Investment Strategy Study
- TIP Update – Process Overview
- SMART SCALE

November 12

- Mid-Year UPWP Budget Amendment
- FY21 UPWP Priorities
- Ashland Complete Streets Pilot Project
- 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