

**TRI-CITIES AREA METROPOLITAN PLANNING ORGANIZATION  
TECHNICAL ADVISORY COMMITTEE/PLAN 2045 COMMITTEE  
Meeting Agenda**

Colonial Heights Public Library  
1000 Yacht Basin Drive, Colonial Heights, VA

December 3, 2021  
10:00 AM

Zoom Link:

<https://us02web.zoom.us/j/82489192174?pwd=cUtoVDA4d1hLNitWNIZmUzY1My9CZz09>

Meeting Type:     Annual  
 Regular  
 Special (Called)

TAC Voting and Non-Voting member Invitees:

**Agency**

Chesterfield County  
City of Colonial Heights  
Dinwiddie County  
City of Hopewell  
City of Petersburg  
Prince George County  
Virginia Department of Transportation (VDOT)  
Petersburg Area Transit  
Virginia Department of Rail and Public  
Transportation (VDRPT)  
Crater Planning District Commission  
Fort Lee  
Petersburg National Battlefield Park  
RideFinders (A Division of GRTC)  
Federal Highway Administration (FHWA)  
Federal Transit Administration (FTA)

**Name**

Ms. Barb Smith  
Mr. Todd Flippen, P.E. (Chair)  
Mr. Mark Bassett (Vice Chair)  
Mr. Johnnie Butler  
Mr. Reggie Tabor  
Ms. Julie Walton  
Ms. Liz McAdory  
Mr. Charles Koonce  
Ms. Tiffany Dubinsky  
  
Mr. Ron Svejkovsky (Secretary)  
Mr. Fritz Brandt  
Ms. Alexis Morris  
Ms. Brigitte Tanner Carter  
Mr. Ivan Rucker  
Mr. Ryan Long

- 1. Call to Order/Certification of Quorum**
- 2. Welcome**
- 3. Chair's Report**

**TAC ADMINISTRATIVE ITEMS:**

- 4. Approval of Agenda **Approval**
- 5. Approval of minutes from October 1, 2021, meeting – Att. 1 **Approval**
- 6. Public Comment Period

**TAC ACTION ITEMS:**

- 7. UPC 101288 (Lakeview Widening) Transfers – Attachment 3 **Action**

This project’s bids were opened in mid-November. The bidding results in a substantial funding shortfall. The City of Colonial Heights is working with VDOT to see if the cost can be lowered and the City has asked the MPO if RSTP funds are available to help cover the shortfall (that the MPO staff, VDOT, and the City of Colonial Heights support) so they can award the project. VDOT is assisting with coming up with a plan to cover the shortfall for the project. At minimum, this appears to require postponing some out-year projects that have not yet started. Hopefully a plan will be devised (that the MPO staff, VDOT, and the City of Colonial Heights support) before the TAC meeting; if so, we will send it in a separate email.

Also, as an emergency item, on November 18, 2021, the Policy Committee approved the transfer of Balance Entry funds for UPC 108887 and 115208. These two projects (Harrowgate/Cougar Trail and Harrowgate Sidewalks) were bid together and then rebid to get a better price. The rebid still resulted in a funding shortfall for UPC 108887 and a funding shortfall of 115208. Chesterfield County asked the MPO if some RSTP funds were available to help cover the shortfalls in enough time to allow these projects to be completed before the start of the 2022-23 school year. VDOT assisted with a plan to cover the entire shortfall for both projects using Balance Entry funds and not hurting other projects. The County Board of Supervisors is expected to approve awarding the project on December 15.

Lastly, although for the FY23-28 SYIP there will not be a call for RSTP/CMAQ new project applications, we still need to update the RSTP/CMAQ projects for updating the allocations this month. We have not only been working on this

project (UPC 101288) and the Harrowgate Rd pair of projects, but we need to prepare for other upcoming projects (that based on the bids coming in statewide and locally) may need additional funds. MPO staff will set up any needed meetings with VDOT and localities in December.

*Action requested: MPO staff requests TAC recommend Policy Committee approval of the funds transfers by resolution.*

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**Plan2045 COMMITTEE ACTION ITEMS:**

**8. Performance Based Planning and Programming Process – Plan2045 Candidate Projects (and Other Types of Projects) Prioritization/Scoring Method – Attachment 3 Action**

At the September 3 meeting, the GAP consultant presented the main items regarding developing a performance-based planning and programming process.

Along with the usual factors/subfactors (safety, mobility, access to jobs, access to non-work destinations) MPO staff asked the consultant to look at other commonly used factors (including those we surveyed in January) and other factors (ex: equity/EJ, economic development, freight, environmental quality).

**Attachment 3** includes (with the GAP consultant’s help and the results of the November 18 *Plan2045* Candidate Scoring Workshop; thank you for participating in the Workshop and giving your continued excellent advice) the MPO staff’s proposed scoring Factors/Subfactors/method, where MPO staff did a “best of” RRTPO, FAMPO, and SMART SCALE factors/subfactors and possible sources of data and tools for testing.

After the approval of the scoring method by the Committee, MPO staff will report back the results at the January 5, 2022, meeting and if necessary, we will select the CLRP List in February 2022.

The Final *Plan0245* Regionally Significant Candidates List was approved by the Policy Committee at its November 18 meeting:

- Route 10 from I-295 to Rt 746 N. Enon Church Rd. (0.90 miles)
- Route 144 (Temple Ave) from Conduit Ave. to Colonial Hts. ECL (0.93 miles)
- Route 144 from Colonial Hts. ECL to Puddledock Rd. (0.78 miles)
- Route 144 from Puddledock Rd. to Route 36 (1.99 miles)
- Route 620 (Wood Edge Rd.) from east of the railroad to Route 1 (0.40miles)
- Route 746 (N. Enon Church Rd.) from Meadowville Technology Parkway to Route 10 (0.80 miles)
- Cedar Level Road Southern section (0.50 miles)

*Reminder Note: The East-West Freeway (2 lanes) from west of Branders Bridge Road to Route 1 is a Private/Local" project and therefore would not be scored and will be listed as a "Private/Local Road" in the CLRP.*

**Attachment 3** also includes possible other types of existing (or already applied for under SMART SCALE) projects we could use to test the scoring method. MPO staff requests that the TAC selects one of each type for testing (including the I-85 NB to I-95 SB project).

**Action requested:** MPO Staff requests the Committee:

1. Approve the scoring method of the Regionally Significant Candidate Projects List (with flexibility regarding final calculations/data); and
2. Suggest other projects of other types for testing the prioritization/scoring methods
3. Direct MPO staff to report back regarding the scoring results in January.

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**TAC INFORMATION ITEMS:**

**9. SMART SCALE Round 5**

**Information**

As noted in an earlier email, OIPI Staff made a presentation at the October 19, 2021 CTB Workshop [proposing changes to SMART SCALE Round 5](#). Changes are proposed to Environmental Quality, Land Use, and Cost Estimate Method/Training. OIPI staff also made a presentation regarding [Round 4 and the proposed Round 5 changes](#) at the November RRTPO TAC meeting

Of note, OIPI staff is proposing adding the Land Use Factor (10% of the total Factor score) to all Area Types and reducing from a 3-mile walking radius to a 1-mile walking radius. OIPI staff also proposes changes to scoring the Environmental Quality Factor, and OIPI is working with VDOT regarding more

training in cost estimates and updated estimate tools. They will be seeking CTB action regarding the Round 5 Policy Changes in December. A web meeting was held on Monday, November 22 (which the localities and MPO were invited to attend) regarding the proposed changes to Round 5.

As a reminder, VDOT and DRPT are available to assist with Round 5 applications. At this point, TCAMPO proposes to re-apply for 1) the Fall Line Trail (Patton Park through VSU to River Road) project and 2) a simplified I-85 NB to I-95 SB project; VDOT assistance is underway for both projects. This leaves 2 possible slots for the MPO to use to apply for SMART SCALE. If there are any projects beyond the localities' allowance (and the MPO is eligible to apply), please let MPO staff know right away.

Also, partly related to SMART SCALE, at the October 19 CTB Workshop, Nick Donohue presented a [Transportation Revenues and Opportunities](#) update. Two highlights:

- Due to additional CTF funds, the Secretary's office is proposing \$295 million of it be used to fund additional SMART SCALE Round 4 projects. The Matoaca/Woodpecker Roundabout project (\$7.1 million) was identified and proposed in the presentation as a priority project to fund from this \$295 million. The CTB is expected to make the final decision in early December.
- It was also proposed by Mr. Donohue to move the Revenue Sharing Program up to FY23/24 from FY25/26 (\$200 million); the upcoming Revenue Sharing Program cycle would then be FY25/26 (the CTB is expected to make the final decision in early December and will then require GA action during the upcoming session).

Also, in the October 20, 2021 CTB Action Meeting, the CTB approved the Special Structure 50-Year Long-Term Plan, which included the repair and rehabilitation of the [Benjamin Harrison Bridge](#).

## 10. VTrans Update

## Information

OIPI's Statewide Transportation Planning (STP) Section will make a presentation to share key takeaways gathered as part of the development of [VTrans Long-](#)

[term Risk & Opportunity Register](#). The risk & opportunity register is a methodical and systematic monitoring of long-term risks and opportunities that allows Virginia to be better prepared to achieve the Commonwealth Transportation Board’s Vision for Transportation. It is one of four major components of VTrans, Virginia’s Transportation Plan. For more information, visit [www.vtrans.org](http://www.vtrans.org).

## 11. Project Estimates

### Information

This quick information item is intended to ask members what estimate-related issues members would like presentation(s) about at an upcoming TAC meeting.

For example, it has been requested by different members over the past year that we have a discussion/presentation about the methods used by VDOT to estimate project costs for TAP, CMAQ, SMART SCALE, and other programs. Plus, as noted in Item 9 above, OIPI is working with VDOT on updates to project estimate methods and training for SMART SCALE.

## 12. DRPT Report

### Information

## 13. VDOT Report

### Information

## 14. Upcoming Topics

### Information

January:

- Approve the *Plan2045* Revenue Forecasts (VDOT and DRPT) and Assumptions of Reasonably Expected Revenue Forecasts for Candidate Projects and *Plan2045*
- Approve the scores and CLRP List
- Resilience presentation – which level of vulnerability?
- FY22 UPWP accomplishments and DRAFT FY23 UPWP Priorities

February/March:

- Approve the scores and CLRP List (alt. date)
- Safety presentation – any interest in Vision Zero?
- Approve the 2022 MPO Safety Target (Jan. 7 or Feb. 4; due Feb. 27)
- FY22 UPWP accomplishments and Final FY23 UPWP Priorities

- ICG meeting (Feb. 8 or March 8 before RRTPO TAC meeting?); Policy Committee approve Draft Conformity Report for 30-day review (March 15-April 15?)

April:

- Recommend Draft *Plan2045* for 30-day public review/outreach and resource agency review (April 15-May 15)
- Draft FY22 UPWP out for 30-day public review

May/June:

- Approve *Plan2045* for FHWA/FTA 45-day approval (current Plan expires August 10, 2022)
- FHWA/FTA joint 45-day approve Conformity Report
- Policy Committee approve FY22 UPWP; send to FHWA, FTA, VDOT, DRPT

#### **15. Other Business/Members Remarks**

#### **16. Adjournment**

*Next meeting: Friday, January 5, 2022 (in person!)*

ATTACHMENT 1

**TRI-CITIES AREA METROPOLITAN PLANNING ORGANIZATION  
TECHNICAL ADVISORY COMMITTEE/PLAN 2045 COMMITTEE**

**DRAFT Meeting Minutes**

Colonial Heights Public Library  
1000 Yacht Basin Drive, Colonial Heights, VA

October 1, 2021  
10:00 AM

Zoom Link:

<https://us02web.zoom.us/j/82761378602?pwd=TVl4ZjlpWXd4d0Qza1RzOHZlPS90QT09>

Meeting Type:       Annual  
 Regular  
 Special (Called)

TAC Voting and Non-Voting members present:

<b>Agency</b>	<b>Name</b>
Chesterfield County	Ms. Barb Smith
City of Colonial Heights	Mr. Todd Flippen, P.E. (Chair)
Dinwiddie County	Mr. Mark Bassett (Vice Chair)
City of Hopewell	Mr. Johnnie Butler
Prince George County	Ms. Julie Walton
Virginia Department of Transportation (VDOT)	Ms. Liz McAdory
Petersburg Area Transit	Mr. Charles Koonce
Virginia Department of Rail and Public Transportation (VDRPT)	Ms. Tiffany Dubinsky
Crater Planning District Commission	Mr. Ron Svejksky (Secretary)
Fort Lee	Mr. Fritz Brandt

Members absent:

City of Petersburg	Mr. Reggie Tabor
Petersburg National Battlefield Park	Ms. Alexis Morris
Federal Highway Administration (FHWA)	Mr. Ivan Rucker
Federal Transit Administration (FTA)	Mr. Ryan Long
RideFinders (A Division of GRTC)	Ms. Brigitte Tanner Carter

Others present:

City of Hopewell	Mr. Austin Anderson
VDOT	Ms. Nicole Mueller
VDOT	Mr. Todd Scheid
Crater PDC	Mr. Alec Brebner
Crater PDC	Mr. Jay Ruffa



PlanRVA  
FOLAR  
FOLAR

Mr. Ken Lantz  
Mr. Sam Hayes  
Ms. Heather Barrar

## 1. Call to order

The meeting was called to order at 10:00 a.m. A quorum was present.

Ms. McAdory introduced Nicole Mueller, the new planner for Richmond District. Nicole will be the VDOT alternate. Prior to working at VDOT, Ms. Mueller worked at PlanRVA.

## 2. Public Comment Period

There were no public comments.

## TAC ACTION ITEMS:

### 3. Approval of Agenda

Approved

*Ms. McAdory moved, and Ms. Dubinsky seconded the motion to approve the agenda. The motion was approved unanimously.*

### 4. Approval of minutes from September 3, 2021, meeting – Att. 1

Approved

*Ms. Smith moved, and Ms. McAdory seconded the motion to approve the minutes of the September 3, 2021 meeting. The motion was approved unanimously.*

### 5. FFY 2021-24 MTIP Amendment UPC 117864 – Att. 2

Recommended

Mr. Svejkovsky noted that the Tri-Cities MPO has requested an MTIP amendment to add UPC 117864 (FY22 RSTP Planning Staff Supplement) and thus make it open to charges. Attachment 2 includes the MTIP AMD sheet. UPC 117864 is a budget/program item.

*Ms. Smith moved, and Ms. Dubinsky seconded the motion that TAC recommend Policy Committee approval of the MTIP amendment. The motion was approved unanimously.*

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## **Plan2045 COMMITTEE ITEMS:**

**6. Plan2045 Vision, Goals, and Objectives – Attachment 3**

**Recommended**

Mr. Svejkovsky noted that earlier this year, MPO staff presented the results of the Vision, Goals and Objectives Survey. Based on a review of other MPO's goals and objectives (ex: MPO staff served on RRTPO's LRTP Committee; most of its goals and objectives are in **Attachment 3**) with the results of the survey, Attachment 3 is the MPO staff recommended draft Goals and Objectives.

Mr. Svejkovsky also noted that the recent Transportation Problems and Issues survey found that the public concurs with the Vision as approved by the Committee:

TCAMPO's Transportation Vision - Encourage a transportation system that equitably improves safety, economic vitality, and quality of life for people living and working in the Tri-Cities area.

After some discussion, *Ms. Smith moved and Ms. Dubinsky second the motion that the Committee recommend Policy Committee approval of the Vision and the Goals and Objectives with a change to the language of Objective B4 of Goal B (Environment) to state the MPO will assist and support efforts by localities as they encourage walkable and transit-oriented communities. The motion was approved unanimously.*

**7. Performance Based Planning and Programming Process – Plan2045 Candidate Projects Prioritization/Scoring Method – Attachment 4** **Information**

Mr. Svejkovsky noted that at the September 3 meeting, the GAP consultant presented the main items regarding developing a performance-based planning and programming process.

Mr. Svejkovsky added that along with the usual factors/subfactors (safety, mobility, access to jobs, access to non-work destinations) MPO staff asked the consultant to look at other commonly used factors (including those we surveyed in January) and other factors (ex: equity/EJ, economic development, freight, environmental quality).

Mr. Svejkovsky noted that Attachment 4 includes the RRTPO, FAMPO, and SMART SCALE factors and prioritization methods. With the GAP consultant's help, MPO staff will take a "best of" these and possible sources of data, test them, and the Committee will discuss this in more detail in November.

Mr. Svejkovsky lastly noted that after the testing, we will need to approve a final method by December and select the CLRP List by February 2022.

**8. Plan2045 Candidate Regionally Significant Projects – Att. 5**

**Approved for Testing**

Mr. Svejkovsky noted that after the September 3 meeting, MPO staff met with RRTPO staff to discuss 1) their Candidate project identification process, and 2) coordination between the two MPOs' MTPs. The list was then revised one more time.

Mr. Svejkovsky added that the number of Candidate Projects was reduced from 17 to 7 Regionally Significant *Plan2045* Candidate projects, primarily due to the removal of the I-95 and I-85 projects for this plan (i.e., coordination with RRTPO).

**Attachment 5** includes:

- 1) the updated MPO staff report (with updated history and recommendations) which was originally sent to the members on September 13;
- 2) the List presented last month (date 8/26/21); and
- 3) the MPO Staff-Recommended List (dated 9/21/21) for action.

The Updated MPO Staff Regionally Significant Candidates List has been reduced to these seven Regionally Significant widening projects:

- Route 10 from I-295 to Rt 746 N. Enon Church Rd (0.90 miles)
- Route 144 (Temple Ave) from Conduit Ave. to Colonial Hts ECL (0.93 miles)
- Route 144 from Colonial Hts. ECL to Puddledock Rd (0.78 miles)
- Route 144 from Puddledock Rd to Route 36 (1.99 miles)
- Route 620 (Wood Edge Rd) from east of the railroad to Route 1 (0.40miles)
- Route 746 (N. Enon Church Rd) from Meadowville Technology Parkway to Route 10 (0.80 miles)
- Cedar Level Road Southern section (0.21 miles)

*Note: The East-West Freeway (2 lanes) from west of Branders Bridge Road to Route 1 is a "Private/Local" project and therefore would not be scored and will be listed as a "Private/Local Road" in the CLRP.*

Mr. Svejkovsky also noted that according to VDOT, the I-85NB to I-95 SB project might be Regionally Significant, so he wants to add to the Regionally Significant Candidates List.

***Mr. Butler moved, and Ms. Smith seconded the motion that the Committee:***

1. *Approve the above Regionally Significant Candidate Projects List with the I-85 NB to I-95 SB project added.*
2. *At the November meeting select other existing projects of other types for testing the prioritization/scoring methods*
3. *MPO staff report back regarding the scoring results in December.*

*The motion was approved unanimously.*

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**TAC INFORMATION ITEMS:**

**9. Virginia Transit Equity and Modernization Study**

**Information**

Tiffany Dubinsky from DRPT made a presentation about this important General Assembly-directed study. A copy of the presentation was sent in separate email.

The Virginia Transit Equity and Modernization Study, led by the Virginia Department of Rail and Public Transportation (DRPT), is aimed at identifying opportunities to forward equitable transit within the Commonwealth. There has been a renewed focus in recent years on the advancement of transit equity, accessibility, and emerging technologies. The study team will explore a wide variety of topics and engage heavily with the public to create a proactive plan for equitable advancement and modernization of transit in the Commonwealth.

For more information about the study, please visit the study website: [www.vatransitequity](http://www.vatransitequity).

**10. DRPT Report**

**Information**

Ms. Dubinsky gave the DRPT report (attached to the minutes)

**11. VDOT Report**

**Information**

Ms. McAdory gave the VDOT report (attached to the minutes)

**12. Upcoming**

**Information**

Mr. Svejkovsky noted these upcoming agenda items (a busy time for *Plan2045*)

November 5/December 3:

- Approve the *Plan2045* Candidates Prioritization/Scoring Process
- Approve the *Plan2045* Revenue Forecasts (VDOT and DRPT) and Assumptions
- Approve the 2022 MPO Safety Target
- Resilience presentation – which level of vulnerability?

January 7:

- Approve the scores and CLRP List
- Safety presentation – Vision Zero interest?

February:

- ICG meeting (Feb. 8 before RRTPO TAC meeting); Policy Committee approve for 30-day review (February 15-March 17)

March:

- Recommend Draft *Plan2045* for 30-day public review/outreach and resource agency review (March 15 – April 15)

May/June:

- Approve *Plan2045* for FHWA/FTA approval

### **13. Other Business**

It was brought to the Committee's attention that the estimates for the Colonial Heights and Hopewell applications are changing. The resolution adopted by the Policy Committee on September 9, 2021 included the previous estimates/TAP request amounts. Ms. McAdory suggested that the MPO adopt a new resolution with either 1) no estimates listed or 2) with the new estimates. Since the estimates were still not finalized, Mr. Svejksky stated he will take a revised MPO endorsement resolution without the estimate/TAP request amounts to the Policy Committee for their October 14, 2021 meeting.

### **14. Adjournment**

The meeting was adjourned at 11:38 a.m. The next meeting will be held Friday, November 5, 2021 (in person!)

### Transit Equity and Modernization Study

- Baseline Conditions and Opportunities Assessment will be finalized in October.
- Four Technical Working Groups will be meeting for the first time in October with a total of four meetings scheduled between now and August 2022.
- The interim report is due to the General Assembly by December 2021 and final report by August 2022.
- Information on the study and its progress can be found at [www.vatransitequity.com](http://www.vatransitequity.com).

### Transit Ridership Incentive Program

- The Transit Ridership Incentive Program (TRIP) is a new statewide grant program dedicated to improving transit's regional connectivity in urban areas with a population in excess of 100,000 and reducing barriers to transit use by supporting low income and zero fare programming.
- Applications closed on September 17, 2021 with three Regional Connectivity projects and 10 Zero Fare projects for a total request of \$13,400,955.
- Review and scoring of applications underway with tentative CTB presentation of draft recommendations in late October.
- Additional information is available on DRPT's webpage at: <http://www.drpt.virginia.gov/transit/trip-transit-ridership-incentive-program/>

### Virginia Passenger Rail Authority

- Expanded rail service from Richmond to the Northeast Corridor launched on September 27, 2021, with the return of Route 51 to service.
- Amtrak Northeast Regional Route 51 will now offer early morning service originating from Main Street Station and is the first expansion of service under the Transforming Rail in Virginia program.
- Additional information on VPRA can be found at: <http://vpra.virginia.gov/>

## **CTB – September 2021 Meeting Update**

- [Workshop Presentation](#)
  - Sustainability for Virginia
  - Maintenance and Operations Comprehensive Review
  - Policy for the Development of VTrans Long-term Risk & Opportunity Register
  - Project Pipeline
  - Interstate Operations and Enhancement Program (IOEP)
  - Transportation Revenues and Opportunities
- [Action Meeting](#)
  - Approval of the FY22 Interstate Operations and Enhancement Program (IOEP) Funding Scenario

## **CTB – Next Meeting: (VDOT Auditorium)**

- Workshop Meeting on October 19<sup>th</sup> at 10:00am
- Action Meeting on October 20<sup>th</sup> at 9:00am

## **[Local Programs Workshop](#)**

- VDOT's Local Assistance Division will host the 2021 Local Programs Workshop on Oct. 26-28 at the Norfolk Marriott Waterside
  - Click link above for information and to register
  - SMART SCALE Portal and Pre-Scoping Workshop Demo

## **SMART SCALE – Round 5 (FY22 – FY27 SYIP)**

- Round 5 will begin early 2022
- VDOT is working with local staff on application development

## **I-64 and I-95 CIPs and Addition of IOEP Projects to SYIP for FY2-27**

- Interstate Operations and Enhancement Program (IOEP) projects amended to the FY2022-2027 Six-Year Improvement Program ([Appendix C](#))
  - See below for list of projects in the Tri-Cities study area

## **I-95 Area Studies and Projects**

- In response to MPO staff inquiry
  - VDOT attended the Sept. 7th Petersburg City Council meeting regarding several studies/projects along I-95 in the Tri-Cities MPO study area. VDOT District Planning is coordinating with the Residency and Project Managers and will provide MPO staff with an update on all potential studies and/or projects prior to the next TAC meeting

## **Fall Line Trail**

- VDOT presented the most recent cost estimates at the last [CVTA meeting](#) on September 24<sup>th</sup>
- CTB approved allocation of \$5M for Fall Line Trail Pre-scoping

## **Upcoming Public Hearings/Citizen Information Meetings**

- There are currently no Public Hearings or Willingness to Hold Public Hearings in the Tri-Cities study area.

**Interstate Operations Enhancement Program Projects approved by CTB (Tri-Cities):**

- I-95 NB/SB – Exit 58 (Woods Edge Rd) – New Park-And-Ride Lot
- I-95 SB – Exit 53 (South Park) – Extended Acceleration Lane
- I-85 Corridor – CCTV Cameras
- I-85 Corridor – CMS
- I-85 Corridor – SSP Route
- I-85 & Route 1 – Signs and Markings Study
- I-85 Corridor – PSAP Integrations
- I-85 Corridor – Portable CMS
- I-295 Corridor – CCTV Cameras
- I-295 Corridor CMS
- I-295 Corridor - SSP Route
- I-295 Corridor – High Wind Warning



## ATTACHMENT 3

### PLAN2045 SCORING FACTORS (11-15-21)

	SAFETY		MOBILITY/CONGESTION		EQUITY/ACCESSIBILITY (SS Land Use)/MULTIMODAL					ENVIRONMENT		ECONOMIC DEVELOPMENT		
FACTOR WEIGHT	25%		15%		25%					10%		25%		
SUBFACTOR WEIGHT	12.5%	12.5%	10.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	15.0%	5.0%	5.0%
PERFORMANCE MEASURE	CRASH FREQUENCY	CRASH RATE	PERSON THROUGHPUT	PERSON HOURS OF DELAY	ACCESS TO JOBS	EJ ACCESS TO JOBS	ACCESS TO NON-WORK DESTINATIONS (SS LAND USE)	EJ ACCESS TO NON-WORK DESTINATIONS	INCREASE ACCESS TO MULTIMODAL	AIR QUALITY IMPACT	SENSITIVE FEATURES	JOB GROWTH	FREIGHT	ACTIVITY CENTERS
How calculated	VDOT PowerBI or map; calc to EPDO times CMF	VDOT PowerBI or map; calc to EPDO times CMF; divide by VMT	Project no-build and build 2045 speed during peak period	Project no-build and build 2045 person hours of delay in peak period	number of jobs within radius of project	number of jobs within radius EJ of project	Points for various destinations times # persons and jobs in area	Points for various destinations times # persons and jobs in EJ area	Points for adding multimodal component or connection	Measure NOX and VOC; CMAQ Tool for most project types, MOVES tables (from RRTPO) for widenings	Acres of sensitive features within 1/4 mile of project	increase in jobs in radius from 2017-2045	Option 1: Number of Industrial and Economic Development VEDP sites; Option 2: number of freight jobs within 1 mile of project	Number of Activity Centers within 1 mile of project
SOURCE OF INFORMATION	VDOT PowerBI or map; EPDO table; VDOT CMF table	VDOT PowerBI or map; EPDO table; VDOT CMF table; VDOT traffic counts	FDOT LOSPLAN, SPS tool, HCS, ENTRADA, or from a study	STARS/SPS map/data	RRTPO/TCAMPO SE 2017 data (by TAZ)	RRTPO/TCAMPO SE 2017 data (by TAZ)	SE 2017 TAZ data; map with non-work destinations in 1-mile radius (like SS)	SE 2017 TAZ data; map with non-work destinations in 1-mile radius (like SS)	Map/aerial showing sidewalks, bike facilities, transit routes?	RRTPO's MOVES tables; basic CMAQ Tool project info	DCR GIS map of sensitive features; SMART SCALE Table 9.3	RRTPO/TCAMPO SE employment Data 2017 and 2045	suggest using GAP consultant Freight employment data	Vtrans Activity Center map; SE Data 2017
Note	Same as SMART SCALE and RRTPO but 50/50 not 70/30	Same as SMART SCALE and RRTPO but 50/50 not 30/70	No Model used, but tries to be performance based. <i>Note: SMART SCALE little to no benefit if no-build V/C is &lt;1.0 use 2045</i>	No Model used, but tries to be performance based. <b>use 2045</b>	Each mode needs it own buffer - suggest <b>10 miles</b> for highway, <b>1 mile</b> for ped, and <b>3 miles</b> for bike; <b>GIS Based</b>	Each mode needs it own buffer - suggest <b>10 miles</b> for highway, <b>1 mile</b> for ped, and <b>3 miles</b> for bike; <b>GIS Based</b>	<i>Suggest simplified SMART SCALE method</i> ; School, grocery, medical/ pharmacy, park, government center, library; <i>project must improve walking to destinations</i> ; <b>GIS based</b>	<i>Suggest simplified SMART SCALE method</i> ; School, grocery, medical/ pharmacy, park, government center, library; <i>project must improve walking to destinations</i> ; <b>GIS based</b>	<i>Suggest using FAMPO method</i> which assigns <b>points</b> by multimodal element; SS takes points and multiplies by new non-SOV users (mode choice); <b>Points Based</b>	Already do CMAQ prioritization with CMAQ Tools method; but will need to use RRTPO's MOVES2014a tables for widenings; <b>Calc based</b>	SMART SCALE proposes to reduce the radius by type of project; <b>GIS based</b>	Trying to account for increase in jobs from 2017-2045; each mode needs it own buffer - suggest <b>10 miles</b> for highway, <b>1 mile</b> for ped, and <b>3 miles</b> for bike; <b>GIS Based</b>	gives a freight score based on the project's nearness to freight; <b>GIS based</b>	<i>suggest FAMPO method (1 mile radius); GIS based</i>

Take best for each subfactor and give 100 score, relatively score the rest  
 Total benefit points divided by the Cost

## Possible Test Projects for TCAMPO PPPBS

(Use SMART SCALE/CMAQ application or a Project with a UPC)

### Intersections

- Rt 156 & Middle Road Roundabout – SMART SCALE application; \$5.7M
- Boulevard & Westover Rd – UPC 100501; \$1.085M
- Boulevard & Branders Bridge – UPC 99194; \$629k

### Roadway Improvements

- Lakeview Ave Minor Widening – UPC 101288; \$5.248M
- Dupuy Ave Widening – UPC 101287; \$5.308M

### Interchanges

- I-85 NB to I-95 SB – SMART SCALE application; \$29M, being reduced in Round 5

### Active Transportation

- FLT (Patton Park Through VSU to River Rd) – SMART SCALE application; \$7.46M (update)
- Petersburg ART – CMAQ application; \$1.3M
- FLT River Road/Dupuy Ave to Westover – UPC 118966; \$1.416M
- CHART Phase IV – UPC 115182; \$534k
- Boulevard Sidewalk – UPC 107534; \$35k

### TDM

- Walthall Park and Ride Lot (new from I-95 Operations and Enhancement); \$7.4M

### Transit and Passenger Rail (use a project from RRTPO or other transit operator?)

- Purchase 15 GRTC Buses - UPC T4314; \$5.3M
- Medium-size, medium-duty transit bus or BOC; 7 years/200,000 miles (3); \$384,195
- Hopewell Circulator Bus Route – UPC T9443; \$1.416M
- PRTC Bus Maintenance and Storage Facility – UPC 113528; \$11.07M