



**Technical Advisory Committee Meeting Agenda**  
**February 3, 2022, 2:00 p.m.**  
Meeting by ZOOM Video Conference

**Join Zoom Meeting:**

<https://us06web.zoom.us/j/88235983663?pwd=VW1hWXNyc1hLZlBjT3lmL0xGdUxRQT09>

**Meeting ID:** 882 3598 3663    **\*\* Passcode:** 393191    **\*\* Dial In:** 301-715-8592

1. Call to Order
2. Approval of Minutes of the December 2, 2021 Meeting\*
3. Public Comment
4. MAP-21 Safety Targets (TAC Memo #22-1)
5. HRMPO 2045 Long Range Transportation Plan (LRTP) Update (TAC Memo #22-2)
6. Presentation: VTrans Risk & Opportunity Register, Jitender Ramchandani, OIPI
7. Agency Updates
  - a. VDOT
  - b. DRPT
  - c. HDPT
  - d. Harrisonburg Public Works
8. Other Business
9. Upcoming Meetings
  - a. HRMPO Policy Board Meeting, Thursday, February 17, 2022, 3:00 p.m.
  - b. HRMPO TAC Meeting, Thursday, March 3, 2022, 2:00 p.m.
10. Adjournment

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\* Action needed

**HRMPO TAC Minutes**  
**December 2, 2021, 2:00 p.m.**  
Rockingham County Administration Center  
20 East Gay Street  
Harrisonburg, Virginia 22802

<b>Voting Member</b>	<b>Alternates</b>	<b>Staff</b>
<b>City of Harrisonburg</b>	Megan Byler, Bridgewater	✓ Ann Cundy
✓ Tom Hartman	Libby Clark, Mt. Crawford	✓ Manas Ranjan
✓ Bill Blessing, Chair	✓ Jakob zumFelde, Harrisonburg*	✓ Rita Whitfield
✓ Thanh Dang	Elliot Menge, Harrisonburg	
✓ Erin Yancey	Dan Rublee, Harrisonburg	<b>Others</b>
✓ Cheryl Spain	Josh Dunlap, VDOT	✓ Kim Sandum, Shen. Alliance*
<b>Rockingham County</b>	Jeff Lineberry, VDOT	✓ Burgess Lindsey, VDOT
✓ Rhonda Cooper, Vice Chair	Grant Sparks, DRPT	✓ Zach Beard, CSPDC*
Casey Armstrong		✓ Rachel Salatin, Rockingham
Vacant		✓ Sam Styers, McCormick Taylor*
<b>Town of Bridgewater</b>		
✓ Alex Wilmer		
<b>Town of Dayton</b>		
✓ Christa Hall		
<b>Town of Mt. Crawford</b>	<b>Non-Voting Members</b>	
✓ J. C. Smythers	Kevin Jones, FHWA	
<b>VDOT</b>	Michelle DeAngelis, FTA	
✓ Brad Reed	✓ Bill Yates, JMU*	
✓ Don Komara	Rusty Harrington, Aviation	
<b>VDRPT</b>		
✓ Wood Hudson*		
*Zoom Participants		

**Call to Order**

The December 2, 2021, meeting of the Harrisonburg-Rockingham Metropolitan Planning Organization Technical Advisory Committee (TAC) was called to order at 2:00 p.m. by Chairperson Bill Blessing. Pursuant to §2.2-3708.2 of the Code of Virginia, HRMPO TAC members may participate in meetings of the HRMPO or its committees through electronic communication means. Those who attended virtually are indicated by an asterisk; all others attended in-person.

## **Minutes**

Chairperson Blessing presented the minutes from the September 2, 2021, TAC meeting. Mr. Reed moved, seconded by Ms. Cooper, to approve the minutes as presented. Motion carried unanimously.

## **Public Comment**

Chairperson Blessing opened the floor for public comment. There were no comments from the public.

## **SMART SCALE Round 5 Proposed Changes Letter to Commonwealth Transportation Board (CTB) Member Mark Merrill (TAC AF #21-8)**

Chairman Blessing presented for consideration SMART SCALE Round 5 Proposed Changes to CTB Member Mark Merrill. Ms. Cundy stated that the Office of Intermodal Planning and Investment (OIPI) staff presented proposed changes to the SMART SCALE Environmental and Land Use Measures' scoring criteria to the CTB in October 2021. She reviewed the proposed changes for Round 5, noting that SMART SCALE evaluates transportation projects based on congestion, safety, accessibility, environment, economic development, and land use. Ms. Cundy noted that the proposed scoring changes allow for more balanced overall scoring, and more accurately reflects the needs of the region. She stated that the CTB is scheduled to vote on the proposed changes at the December meeting. Ms. Cundy noted that MPO staff has reviewed these proposed changes, and recommends submitting a letter to Staunton District CTB member Mark Merrill expressing the MPO's support of the proposed changes (letter attached to file minutes). Mr. Reed stated that VDOT was in support of the proposed changes for the district and reported on the project list and funding. Ms. Cooper moved, seconded by Ms. Dang, to recommend that the Policy Board approve the letter to Staunton District Representative CTB Mark Merrill expressing the MPO's support of the proposed changes to the SMART SCALE program. Motion was carried by unanimous vote.

## **HRMPO 2022 Meeting Schedule (TAC Memo #21-10)**

Chairman Blessing presented the 2022 Meeting Calendar for the HRMPO Policy Board and the Technical Advisory Committee (TAC) (attached to file minutes). Ms. Cundy noted that the 2022 HRMPO Policy Board and TAC meeting schedules are based on a monthly meeting schedule. She stated that the schedules for the HRMPO Policy Board and Technical Advisory Committee will be presented to the Policy Board at their December 16, 2021, meeting and after approval, will be posted on the website and published in the appropriate newspapers, in accordance with the HRMPO Public Participation Plan.

### **HRMPO 2045 Long Range Transportation Plan (LRTP) Update (TAC Memo#21-11)**

Chairperson Blessing presented the HRMPO 2045 LRTP Update. Mr. Ranjan gave an update on the 2045 LRTP Scope of Work, noting that the HRMPO's Long Range Transportation Plan (LRTP) must be updated every five years. He reported on the Travel Demand Model, noting that staff developed the 2045 control totals for all the member jurisdictions within the MPO for population, total employment, retail employment, dwelling units, and proportion of households without cars. Mr. Ranjan stated that staff worked with each member jurisdiction individually to confirm and incorporate suggested changes as needed to the TAZ distribution. He noted that staff compiled the final count for all the TAZs within the MPO and sent the dataset to VDOT central office to start the work on the Travel Demand Model. Ms. Cundy reported on the Public Engagement Plan, noting that staff presented the proposed Public Engagement Plan to the Policy Board on October 21, 2021, and issued a Notice to Proceed to CSPDC On-Call Consultant Kimley Horn and sub-consultant Avid Core to assist the MPO with this LRTP task, as well as provide assistance to MPO and VDOT staff on LRTP project scoring. Discussion ensued regarding utilizing 2019 American Community Survey (ACS) data versus data from the 2020 Weldon Cooper Center for the LRTP Update. Ms. Cundy stated that staff would utilize the ACS data for the LRTP Update and will document the reasons for doing so. Mr. Ranjan reported on the next steps, noting that staff will begin public engagement with the help of the consultants in early 2022. He noted that staff will also start reviewing all relevant plans and data that will provide essential background information on land use, development trends, economic development, tourism, and multi-modal transportation needs.

### **Infrastructure Investment and Jobs Act Update (TAC Memo #21-12)**

Chairperson Blessing presented Infrastructure Investment and Jobs Act Update. Mr. Beard presented a PowerPoint presentation on the Infrastructure Investment and Jobs Act (IIJA). He stated that the IIJA will provide significant public investment in US transportation networks, broadband, and public works projects, and modernize the country's aging infrastructure through extensive upgrades for roads and bridges. Mr. Beard noted that the Act allocates an estimated \$1.2 trillion in total funding over ten years, including \$550 billion in new spending, divided between improving the surface-transportation network (\$284 billion) and society's core infrastructure (\$266 billion). He stated that the Act will provide \$284 billion in new spending for transportation and reviewed the breakdown of spending, how much money Virginia will receive, eligibility criteria, and new programs.



### **Presentation: Virginia Transit Equity and Modernization Study**

Chairperson Blessing presented the Virginia Transit Equity and Modernization Study presentation. Mr. Hudson presented a PowerPoint presentation on the Study, noting that this study will be looking at how transit service is provided, its accessibility, the adequacy of existing infrastructure, how DRPT can best deploy emerging technology, safety, electrification, how transit systems engage with riders, and how riders are represented. He reviewed the Study goals, the process and timeline, and key study activities. Mr. Hudson reviewed the next steps, noting that the final report is expected to be completed in spring 2022.

### **Department of Transportation (VDOT)**

Mr. Komara reported on the following construction projects: the Route 720 Smithland Road bridge project, noting that it is ready for bid advertisement; the Route 682 Friedens Church bridge project improvements in Rockingham County, noting that five bids were received for the project and construction is scheduled for early 2022; the Town of Broadway bridge construction project and the Route 33 bridge project at Exit 247, noting that both projects are scheduled for advertisement in 2022; I-81 Corridor Improvement projects, noting that updated information can be viewed on <https://improve81.org>; and reported on snow removal.

Mr. Reed gave an update on SMART SCALE Round 4 projects. He distributed copies of the HRMPO STIP/TIP Grouping Update (attached to file minutes). Mr. Reed reported on the Route 33 Corridor Study between the City of Harrisonburg and the Town of Elkton, noting that the Study was anticipated to be completed in January.

### **Department of Rail and Public Transportation (DRPT)**

Mr. Hudson reported on DRPT's transit grant season. He gave an update on the Section 5310 Human Services Grant program, and new guidance regulations released by the Federal Transit Administration (FTA) regarding MPOs Transportation Improvement Program (TIP).

### **Harrisonburg Department of Public Transportation (HDPT)**

Ms. Spain gave an update on HDPT's Feasibility Study, noting that HDPT is currently in the site selection stage. She gave an update on the transit driver shortage, noting that HDPT has reduced five of their JMU routes due to the shortage. Ms. Spain reported on the recruitment of drivers and driver incentives by HDPT, noting that HDPT has since received several applications and hoped to have the reduced JMU routes running again soon.



### **City of Harrisonburg Department of Public Works**

Mr. Hartman gave an update on the activities of the City of Harrisonburg Department of Public Works. He reported on the following: Garbers Church Road Shared Use Path project, noting that construction is anticipated to be completed by the end of this month; Mt. Clinton Pike improvements project between Route 42 and Park Road, noting that it was at the right-of-way phase and scheduled for construction in 2023; University Boulevard realignment project, scheduled to hold a design public meeting in April 2022; Harrisonburg new high school project, which is currently in the right-of-way phase; and reported on sidewalk projects, pipeline studies, and roadway configuration projects.

### **Upcoming Meetings**

Chairperson Blessing announced that the HRMPO Policy Board will hold a meeting on January 20, 2022, at 3:00 p.m.; and the next HRMPO TAC meeting will be held on January 6, 2022, at 2:00 p.m.

### **Adjournment**

A motion for adjournment was unanimously passed at 3:25 p.m.

Respectfully submitted,

A handwritten signature in cursive script that reads "Ann W. Cundy".

Ann Cundy  
Director of Transportation



**TO:** Harrisonburg-Rockingham MPO Technical Advisory Committee  
**FROM:** Ann Cundy, Director of Transportation  
**MEETING DATE:** February 3, 2022  
**RE:** **TAC Memo #22-1: MAP-21 Safety Targets**

## EXECUTIVE SUMMARY

In accordance with MAP-21, The Federal Highway Administration (FHWA) set final rulemakings for National Performance Measures for Safety Performance in March 2016. Safety targets must be updated annually, and the HRMPO must set its own targets, or concur with the State's targets, by February 27, 2022.

As with the past years' targets, staff recommends concurring with the statewide 2022 targets. There is no penalty for not meeting the targets.

## SAFETY E TARGETS

The target setting methodology for Calendar Year 2022 meets the July 2018 CTB directive for OIPI, in consultation with VDOT and DMV, to develop a more rigorous data-driven methodology to establish targets for the Federal Safety Performance Measures. These statistical models project future performance based on data variables and expected crash reductions from completed projects. The models account for past annual performance, or actual annual number of fatalities, serious injuries, and non-motorized fatalities and serious injuries.

In 2022, OIPI projects 861 fatalities, 6,901 Serious Injuries, and 646 Non-motorized Fatalities and Serious Injuries statewide, which are reflected in the following safety target:

- Fatalities: Increase of 1.37%
- Serious Injuries: Decrease of 2.36%
- Non-Motorized Fatalities and Serious Injuries: Decrease of 2.37%
- VMT: Increase of 6.8%.

## HRMPO SAFETY TARGETS AND TRENDS

Between 2018 and 2020, HRMPO's fatality rate and the total number of fatalities met or exceeded the statewide targets. Non-motorized fatalities and serious injuries also exceeded the statewide targets for the years 2018 and 2019, and fell below the target for 2020.

Severe injuries follow slightly different trend. The rate of severe injuries was less than the statewide target for 2018, and exceeded the target in 2019 and 2020. This was the case even in 2020 when the number of severe injuries was less than the target.

The 2020 stay-at-home order and reduction in vehicle miles traveled is the likely cause of the almost doubling of the fatality and serious injury rates in 2020, despite the reduction in their actual count.

The MPO recorded three fatalities between January and August 2021, which suggests that the MPO may meet or surpass the 2021 target once crash data is available for the entire year (see **Table 1**).



**Table 1: Safety Targets and Actual Numbers, 2018 – 2022**

	<b>2018 Target</b>	<b>2018 Actual</b>	<b>2019 Target</b>	<b>2019 Actual</b>	<b>2020 Target</b>	<b>2020 Actual</b>	<b>2021 Target</b>	<b>2021 Actual*</b>	<b>2022 Target</b>
Fatalities	4	<b>4</b>	2	<b>4</b>	4	<b>10</b>	4	<b>3</b>	4
Rate of Fatalities per 100M VMT	0.58	<b>0.62</b>	0.33	<b>0.61</b>	0.65	<b>1.78</b>	0.633	-	0.621
Serious Injuries	45	<b>34</b>	40	<b>42</b>	40	<b>34</b>	41	<b>45</b>	37
Rate Serious Injury Per 100M VMT	6.95	<b>5.31</b>	6.08	<b>6.46</b>	6.03	<b>6.07</b>	6.179	-	5.799
Non-motorized Fatalities/Serious Injuries	4	7	5	<b>8</b>	5	<b>3</b>	5	<b>3</b>	6

\*Data from January 1 – September 30, 2021

#### NEXT SETPS

Staff will share this information with the Policy Board on February 17, and submit the letter to VDOT concurring with the statewide safety targets for 2022.

#### ATTACHMENT

[HRMPO letter of concurrence with State DOT safety targets](#)





**TO:** Harrisonburg-Rockingham MPO Technical Advisory Committee

**FROM:** Manas Ranjan, Transportation Planner

**MEETING DATE:** February 3, 2022

**RE:** **TAC Memo #22-2: HRMPO 2045 Long Range Transportation Plan (LRTP) Update**

## EXECUTIVE SUMMARY

The HRMPO is updating the Long Range Transportation Plan (LRTP) to 2045.

In the past month, staff has submitted final Land Use and Sociodemographic data to VDOT for development of the Travel Demand Model (TDM) 2045 scenario, developed existing conditions maps, and continued work to implement Phase I of the Public Engagement Plan.

## UPDATE PROCESS

### Travel Demand Model

Staff developed the 2045 control totals for socioeconomic data for MPO member jurisdictions and presented the data to the working group on October 14, 2021. Staff worked with the jurisdictions to incorporate suggested changes to the preliminary distribution. Staff submitted the final dataset to VDOT on January 6, 2022.

### Public Engagement Plan

Staff and Avid Core are implementing Phase I of the Public Engagement Plan. Avid Core presented the Phase I to the Working Group at the January 18, 2022 meeting, and requested comments and suggestions. Phase I focuses on a Metroquest survey that will help us understand the region's current transportation needs, and a vision for the region's future transportation system. The survey will be open from February 1, 2022 to March 2, 2022. We will use the information gathered from the survey to develop a universe of projects to evaluate.

Staff and Avid Core have also developed a Community Partners Toolkit. The toolkit includes sample social media posts, newsletter content, a fact sheet, and a link to the LRTP explainer video. This toolkit can be used by MPO Jurisdictions and TAC and Policy Board members to connect the MPO with their communities. Staff conducted the first of five local elected body briefings with Harrisonburg City Council on January 25, 2022.

### Existing Conditions Chapter Development

Staff is reviewing all relevant data that provide essential background information on land use, development trends, economic development, tourism, and multi-modal transportation needs. Through this process, staff is mapping socioeconomic characteristics, and transportation systems to draft the existing conditions chapter of the LRTP. Staff presented a draft set of maps to the Working Group at the January 18, 2022, meeting.

## NEXT STEPS

Staff is addressing Working Group feedback on the existing conditions maps following the January 18<sup>th</sup> meeting. After completion of the existing conditions chapter for the LRTP, staff will begin



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evaluating multi-modal transportation needs: roadway, public transit, and non-motorized needs, with an expanded focus on electric vehicles (EVs), EV infrastructure, and strategies to address transportation demand and climate change for the 2045 update.

Staff is working with Avid Core to produce an animated video on the LRTP process. We will host a free webinar on February 16, 2022 at 7:00 PM to take attendees through the survey platform and answer community members' questions. AvidCore will use the webinar recording to make short clips for social media outreach. Avid Core will also conduct a midpoint evaluation of the survey to assess if the survey is reaching the targeted audience. Once the survey is complete on March 2, 2022, AvidCore will prepare and send stakeholder follow-up communications, analyze the survey results, and prepare media updates for visioning survey results.

#### ATTACHMENTS

[HRMPO 2045 LRTP Scope of Work and Timeline](#)

[HRMPO 2045 LRTP Public Engagement Plan](#)