WinFred METROPOLITAN PLANNING ORGANIZATION

Frederick County ✦ City of Winchester ✦ Town of Stephens City

400 Kendrick Lane, Suite E, Front Royal, Virginia 22630
Phone: 540-636-8800
www.winfredmpo.org

Technical Advisory Committee Minutes: February 5, 2019 @ 10 a.m.

Frederick County Administrative Offices
107 North Kent Street, Winchester, VA
First Floor Conference Room

<table>
<thead>
<tr>
<th>Member Jurisdiction Representatives</th>
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<tbody>
<tr>
<td><strong>Frederick County</strong></td>
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<tr>
<td>✓ Patrick Barker</td>
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<tr>
<td>John Bishop</td>
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<td>✓ Mike Ruddy</td>
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<td>✓ Jay Tibbs</td>
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<td><strong>Stephens City</strong></td>
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<tr>
<td>Mike Majher</td>
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<td><strong>VDOT</strong></td>
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<td>✓ Terry Short</td>
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<td>Tony Cho, FTA</td>
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<tr>
<td>Rusty Harrington, VA</td>
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<tr>
<td>Dept. of Aviation</td>
</tr>
</tbody>
</table>
1. Administrative Items:
   a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
   b) Review and approval of the December 4, 2018 Technical Advisory Committee Meeting Minutes – A motion was made by Mr. Ruddy approving the minutes; seconded by Mr. Tibbs. Motion carried.

2. Public Comment Period – None reported.

3. Overview of the Winchester Regional Airport – Nick Sabo, Winchester Regional Airport Authority

   Mr. Sabo presented a PowerPoint Presentation giving an overview of the airport. The presentation is attached to the minutes.

4. Draft Methodology for CLRP and Vision Plan Update – John Madera/Brad Reed

   Mr. Reed presented the draft methodology that VDOT Staunton District staff has developed. Following the presentation, a discussion ensued. It was decided that this project would be undertaken by the Project Steering Committee. The presentation is attached to the minutes.

5. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices but may be subject to change):
   - Project Steering Meeting: TBA
   - Policy Board: February 20, 2019
   - Technical Advisory Committee: March 5, 2019

6. VDOT/DRPT/Staff Updates – Mr. Short reported the following: Route 7 NTP has been issued; he will present a PPT in March. North Winchester Area Phase II Study is ready to go. VTRANS is ramping up and invites will go out soon. I-81 update: 1) waiting for the outcome of a few bills 2) establishment of an I-81 authority to exam funding options then report back to the General Assembly.

7. Other Business

   Ms. Taylor discussed the FY20 Unified Planning Work Program. She stated that staff has received the PL FY20 and FY18 Carryover funding figures. Staff will begin working with City, County and Town staff in regards to FY20 projects. Ms. Taylor suggested that staff send out a survey via Survey Monkey soliciting input for projects. The Committee agreed that was a good idea; Ms. Taylor will send a survey out by February 8th.

Meeting adjourned by 11:30 a.m.

Definition of Acronyms on next page
Glossary of Acronyms

CAC- Citizen Advisory Committee- Serves as an advisory committee to the MPO Policy Board to solicit public input and provide citizen perspective on MPO projects. Conducts public hearings and public input sessions on selected projects at the direction of the Policy Board.

CLR P – Constrained Long Range Plan – A fiscally-constrained list of projects drawn from the Vision Plan element of the LRTP. All CLRP projects must have an estimated cost and a revenue source identified.

CMAQ- Congestion Mitigation and Air Quality Improvement (CMAQ) Program was implemented to support surface transportation projects and other related efforts that contribute air quality improvements and provide congestion relief.

FHWA - Federal Highway Administration - Within the US Department of Transportation, FHWA is responsible for highway issues, including federal laws and regulations related to metropolitan transportation planning.

FTA - Federal Transit Administration- within the US Department of Transportation, FTA is responsible for public transit issues, including federal laws and regulations related to metropolitan transportation planning.

FTA Section 5303 Funds - This program supports transit planning expenses to support cooperative, continuous, and comprehensive planning for making transportation investment decisions in metropolitan planning areas.

FTA Section 5310 - Transportation for Elderly Persons and Persons with Disabilities - The goal of the Section 5310 Program is to provide assistance in meeting the special transportation needs of elderly persons and persons with disabilities. The program is designed to supplement other FTA or assistance programs by funding transportation projects for elderly person and persons with disabilities in all areas – urbanized, small urban, and rural.

HSIP - Highway Safety Improvement Program - The overall purpose of this program is to achieve a significant reduction in traffic fatalities and serious injuries on all public roads through the implementation of infrastructure-related highway safety improvements.

LRTP- Long Range Transportation Plan- Developed and approved by the MPO, the LRTP is a regional plan that includes all transportation projects and programs that the MPO realistically anticipates can be implemented over the next 25 years. LRTP’s may include a VISION PLAN, which is a list of all projects (a “wish list”), but must also include a CLRP. In order to receive federal funding, transportation projects must be included in the LRTP and the TIP.

The FAST Act - On December 4, 2015, President Obama signed the Fixing America’s Surface Transportation (FAST) Act (Pub. L. No. 114-94) into law—the first federal law in over a decade to provide long-term funding certainty for surface transportation infrastructure planning and investment. The FAST Act authorizes $305 billion over fiscal years 2016 through 2020 for highway, highway and motor vehicle safety, public transportation, motor carrier safety, hazardous materials safety, rail, and research, technology, and statistics programs. The FAST Act maintains our focus on safety, keeps intact the established structure of the various highway-related programs we manage, continues efforts to streamline project delivery and, for the first time, provides a dedicated source of federal dollars for freight projects. With the enactment of the FAST Act, states and local governments are now moving forward with critical transportation projects with the confidence that they will have a federal partner over the long term.

NHPP- National Highway Performance Program - The NHPP provides support for the condition and performance of the National Highway System (NHS), for the construction of new facilities on the NHS, and to ensure that investments of Federal-aid funds in highway construction are directed to support progress toward the achievement of performance targets established in a State's asset management plan for the NHS.

STP Funds – Surface Transportation Program funds are Federal Funds disbursed through State DOT’s for Surface Transportation projects.

TAC- Technical Advisory Committee- Serves in an advisory capacity to the Policy Board of the MPO. The TAC works with MPO staff to formulate the UPWP, the LRTP, and provides technical review and assistance on numerous MPO projects undertaken as called out in the UPWP.

TIP - Transportation Improvement Program - Approved by the MPO Policy Board, it is a list of projects and programs that will be implemented over the next six years. In order to receive federal funding, transportation projects must be included in the Constrained Long Range Plan and the TIP. Amendments are major changes to a project included in the CLRP, TIP or STIP that are not Administrative Modifications.

UPWP – Unified Planning Work Program- MPOs must adopt and implement an annual work program and budget known as the Unified Planning Work Program (UPWP). The UPWP identifies all activities to be undertaken by the MPO during the fiscal year which begins July 1st and ends the following June 30th.

VDOT - Virginia Department of Transportation - Agency responsible for statewide transportation facility planning, construction, and maintenance. VDOT is separate from the Virginia Department of Rail and Public Transportation (VDRPT).
Overview of the Winchester Regional Airport (OKV)

Nick Sabo, A.A.E.
Executive Director
540-662-5786
okvsabo@comcast.net
History

• **January 21, 1931:** Winchester’s first airport, Admiral Byrd Field, was established

• **December 2, 1937:** Winchester Municipal Airport opened at current site

• **1937–1987:** Airport was owned & operated by City of Winchester

• **July 1, 1987:** Winchester Regional Airport Authority (WRAA) formed by State legislation
Organization

• WRAA consists of a 9 member board with the following appointees:
  – 4 x Frederick County
  – 2 x City of Winchester
  – 1 x Counties of Shenandoah, Warren, and Clarke

• d/b/a Winchester Aviation
  – Primary commercial fuel provider (AVGAS & Jet-A) & other limited services
State / FAA Classification

- Licensed by the Commonwealth of Virginia

- Part of the FAA’s “National Plan of Integrated Airport Systems”
  - Eligible for federal funding
  - Subject to FAA grant assurances
Operations

- 385 acre campus
- 11 staff members
- Attended 24/7
- 45K+ annual operations
- *Single runway
  - 5,500’ x 100’
- *Automated Weather Observation System
- *Instrument Landing System
  - Navigation guidance in poor weather
Aviation Businesses

- Aviation businesses based at OKV:
  - Aero Engines
  - Aero Services
  - AV-ED
  - Brite Air
  - On Wing
Aviation Users

• Other Tenants:
  – Civil Air Patrol
  – 4 private corporate hangars
  – 61 t-hangars
  – 80 aircraft tie downs

• Valley Proteins
  – Corporate Flight Department
    • 3 Aircraft
    • 4 Pilots
Budget

• Operating
  – FY19: $1.6M
  – Revenue shortfalls supported by Frederick County and City of Winchester

• Capital
  – FY19: $700K
  – Based on Airport Capital Improvement Plan (ACIP) & other capital needs
Grant Programs

- FAA Airport Improvement Program:
  - 90% FAA
  - 8% Virginia Department of Aviation
  - 2% Local
    - Airport revenues
    - Frederick County / City of Winchester
    - WRAA jurisdiction contributions
- Virginia Department of Aviation
Value of General Aviation

- Charter or air taxi operations
- Corporate and business aviation
- On-demand cargo service
- U.S. mail transport
- Time-critical manufacturing & distribution
- Scheduled cargo service
- Express delivery service
- Military exercises & training
- Prisoner transport
- Environmental patrols
- Aerospace engineering & research
- Law enforcement patrols
- Search & rescue
- Civil Air Patrol
- Flight instruction & training
- Low-orbit space launch
- Aircraft rental
- Aircraft and avionics manufacturing and maintenance
- Aircraft sales
- Aircraft storage
- Oil and mineral exploration and survey
- Emergency response
- Traffic and news reporting
- Aviation career training
- Aerial Fire-fighting
- Youth aviation outreach
- Traffic & news reporting
- Disaster relief
- Agricultural spraying
- Aerial surveying, observations, or photography
- Sightseeing
- Use by Government
- Personal or recreation
- Utility and pipeline control & inspection
- Advertising (banner towing or skywriting)
- Tourism & access to special events
- Intermodal connections
- Special events (skydiving, “fly-ins”, air shows)
- Wildlife management
- Aeromedical flights (commonly known as Air Ambulance)
- Customs and Border Protection patrols
- Emergency diversionary airport
Economic Impact

• Virginia’s General Aviation airports contribute $1B+ in economic activity

• Winchester by the numbers:
  Jobs: 179
  Wages: $6.8M
  Total Economic Activity: $20.9M
Mission/Vision Statement

Mission: Provide a safe, efficient, and customer-friendly airport that meets the aviation needs of the region.

Vision: The Winchester Regional Airport will serve as a gateway to the region; extend the reach of the local communities; and enhance the economic prosperity of the region.
Priorities

• Execute Master Plan
  – ACIP / Terminal

• Revenue Diversification
  – Focus on non-aeronautical opportunities

• Marketing
  – Rebrand / Website / “North Side”

• Community Outreach
  – Events / Education / Advocacy
Thanks for your time

Let’s continue the discussion!

Nick Sabo, A.A.E.
Executive Director
540-662-5786
okvsabo@comcast.net
WINFRED MPO 2040 LRTP AMENDMENT

Proposed Project Prioritization Methodology

Brad Reed & Terry Short, VDOT

February 5, 2019
What are we doing and why?

- Federal MAP-21/FAST Act requirement for “performance-driven, outcome-based approach to planning”

LRTP Amendment will include…

- Revised project lists with performance-based evaluation
- New federal performance measures & MPO targets
Beyond checking the box

• Transform static project list into a dynamic, ranked list of priorities

  5  Projects in CLRP

  116  Projects in Vision Plan

• Prioritization adds value to our planning products
Is a ranked project list going to get used?

We hope so, but please be honest.

This is a time-intensive effort that should be tailored to your needs.
Proposal: Two-step evaluation

Refine project list for independent utility and clarity of scope

1. Screen all CLRP + vision list projects

2. Detailed scoring of top 20 or so projects
Products

- Ranked project list with detailed scoring (replaces Vision Plan)
- CLRP (next 2-3 rounds of SYIP apps)
- Unranked project list
## Project Screening Process

<table>
<thead>
<tr>
<th>Performance Category</th>
<th>Proposed Performance Measure</th>
<th>Scoring</th>
</tr>
</thead>
</table>
| **Congestion**       | Projects diverts traffic from or adds capacity to a congested roadway segment (volume-to-capacity ratio, $V/C \geq 0.8$) under 2015 conditions in the WinFred travel demand model                                                                                                                                                                                                                                                                                                                                                           | Yes = 2 pts  
                              No = 0 pts  
                              (Max 2 pts)                                                                 |---------|
| **Multimodal Accessibility** | Project includes pedestrian, bike, and/or transit mode component                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 2+ modes = 2 pts  
                              1 mode = 1 pt  
                              0 modes = 0 pts  
                              (Max 2 pts)                                                                 |---------|
| **Safety**           | Project diverts traffic from or overlaps a roadway segment or intersection identified in VDOT’s Potential for Safety Improvement (PSI) list                                                                                                                                                                                                                                                                                                                                                         | 3+ PSI locations = 3 pts  
                              2 PSI locations = 2 pts  
                              1 PSI location = 1 pt  
                              0 PSI locations = 0 pts  
                              (Max 3 pts)                                                                 |---------|
| **Economic Development** | Distance decay weighted quantity of 2015-2040 job growth adjacent to the project using assumptions in the WinFred travel demand model                                                                                                                                                                                                                                                                                                                                                     | Top 1/3 = 3 pts  
                              Middle 1/3 = 1 pt  
                              Bottom 1/3 = 0 pts  
                              (Max 3 pts)                                                                 |---------|
<p>| <strong>Magnitude of Cost</strong> | Planning level cost per mile multiplied by project length                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Divide by Cost per $10M |</p>
<table>
<thead>
<tr>
<th>Detailed Scoring Process</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Smart Scale Scoring Measure (Category C Weight)</strong></td>
</tr>
<tr>
<td><strong>Congestion Mitigation (15%)</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Safety (25%)</strong></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Accessibility (25%)</strong></td>
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</tbody>
</table>
### Detailed Scoring Process

<table>
<thead>
<tr>
<th>Economic Development (25%)</th>
<th>SMART SCALE Metric (Measure Weight)</th>
<th>Proposed Performance Metric (Measure Weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Square feet of commercial/industrial development supported (60%)</td>
<td>Decay weighted job growth adjacent to project, 2015-2040 by TAZ (70%)</td>
</tr>
<tr>
<td></td>
<td>Intermodal access and efficiency, tons of goods impacted (20%)</td>
<td>Intermodal access and efficiency/tons of goods impacted (30%)</td>
</tr>
<tr>
<td></td>
<td>Improvement to travel time reliability (20%)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Quality (10%)</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Potential to improve air quality/environmental effect (50%)</td>
<td>Potential to improve air quality/environmental effect (100%)</td>
</tr>
<tr>
<td></td>
<td>Impact to natural and cultural resources (50%)</td>
<td></td>
</tr>
</tbody>
</table>

**Category C Weight**

- Economic Development: 25%
- Environmental Quality: 10%
Potential for Safety Improvement (PSI)
## Safety Scoring Example

### Project 1

<table>
<thead>
<tr>
<th></th>
<th>SCORE</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Segment affected</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Segment score</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Intersections affected</td>
<td>49</td>
<td></td>
</tr>
<tr>
<td>Intersection scores</td>
<td>202</td>
<td>202</td>
</tr>
</tbody>
</table>

### Project 2

<table>
<thead>
<tr>
<th></th>
<th>SCORE</th>
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<tr>
<td>Segment affected</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Segment score</td>
<td>249</td>
<td>249</td>
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<tr>
<td>Intersections affected</td>
<td>100</td>
<td>90</td>
</tr>
<tr>
<td>Intersection scores</td>
<td>151</td>
<td>161</td>
</tr>
</tbody>
</table>

Based on 250 PSI locations in segment & intersection datasets

Virginia Department of Transportation
## Economic Development Metric
**Support of Job Growth Areas (70%)**

Use Smart Scale buffer distances

### Table 10.3 Buffer Distance by Project Type and Adjustment for Provision of Access

<table>
<thead>
<tr>
<th>Buffer Distance to Determine Total Square Footage</th>
<th>Applicable Project Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tier 1 Project Type – 0.5 mile buffer</td>
<td>Turn Lane, Intelligent Transportation Systems, Bike Lane or Path, Sidewalk, Bus Stop, Park &amp; Ride Lot</td>
</tr>
<tr>
<td>Tier 2 Project Type – 1 mile buffer</td>
<td>Access Management, Signal optimization, Increase Bus service, Improvement to Rail Transit Station</td>
</tr>
<tr>
<td>Tier 3 Project Type – 3 mile buffer</td>
<td>New through lane, new/improved interchange, new bridge, new Rail Transit Station, additional Rail Track</td>
</tr>
</tbody>
</table>
Economic Development Metric Support of Job Growth Areas (70%)

<table>
<thead>
<tr>
<th>Proposed Distance Decay Weighting of Job Growth</th>
<th>% Job Growth Counted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buffer Distance</td>
<td></td>
</tr>
<tr>
<td>&gt;= 0.5 miles</td>
<td>100%</td>
</tr>
<tr>
<td>&gt; 0.5 and &lt;= 1 mile</td>
<td>50%</td>
</tr>
<tr>
<td>&gt; 1 mile to 3 miles</td>
<td>25%</td>
</tr>
</tbody>
</table>

Example Job Growth Buffers for a Route 50/17 Widening Project
## Agency Responsibilities – Screening Step

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<tr>
<th>Performance Category</th>
<th>Proposed Performance Measure</th>
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<td><strong>Congestion</strong></td>
<td>Projects diverts traffic from or adds capacity to a congested roadway segment (volume-to-capacity ratio, V/C ( \geq 0.8 )) under 2015 conditions in the WinFred MPO travel demand model</td>
<td>VDOT</td>
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<td><strong>Multimodal Accessibility</strong></td>
<td>Project includes pedestrian, bike, and/or transit mode component</td>
<td>WinFred MPO</td>
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<td>Project diverts traffic from or overlaps a roadway segment or intersection identified in VDOT’s Potential for Safety Improvement (PSI) list</td>
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# Agency Responsibilities – Detailed Scoring

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<th>Proposed Performance Metric (Measure Weight)</th>
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<tr>
<td><strong>Congestion Mitigation (15%)</strong></td>
<td>Reduction in network vehicle hours traveled (VHT) using WinFred MPO travel demand model, 2015 conditions (100%)</td>
<td>VDOT</td>
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<tr>
<td><strong>Safety (25%)</strong></td>
<td>Rank-weighted sum of segments and intersections identified in VDOT’s Potential for Safety Improvement (PSI) list (100%)</td>
<td>WinFred MPO</td>
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<tr>
<td><strong>Accessibility (25%)</strong></td>
<td>Increase in average job accessibility per resident (60%)</td>
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<tr>
<td></td>
<td>Increase in average job accessibility per resident for disadvantaged populations (20%)</td>
<td>VDOT</td>
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<td></td>
<td>Increase in access to multimodal travel choices (20%)</td>
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<td>Decay weighted job growth adjacent to project, 2015-2040 by TAZ (70%)</td>
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<td><strong>Planning Level Cost Estimates</strong></td>
<td>TMPD Cost Estimating Worksheet</td>
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1. **Administrative Items:**
   a) Welcome and Introductions – Vice Chair John Bishop welcomed everyone to the meeting.
   b) Review and approval of the February 5, 2019 Technical Advisory Committee Meeting Minutes –
      A motion was made by Mr. Ruddy approving the minutes, motion seconded by Ms. Wells. Minutes
      approved.

2. **Public Comment Period** – None reported.

3. **Overview of the Proposed Redevelopment of the Winchester Public Works Yard** – Perry
   Eisenach, City of Winchester

   Mr. Eisenach explained the future building plans for the public works yard.

4. **Discussion of the FY20 Unified Planning Work Program (UPWP) Tasks** – Group

   Ms. Taylor and Mr. Madera presented for discussion a rough draft of the FY20 UPWP. Ms. Taylor
   noted several ideas and suggestions from the committee and will update the UPWP for presentation at
   TAC in April.

5. **Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices**
   **but may be subject to change):**
   - Project Steering Meeting: March 14, 2019
   - Policy Board: March 20, 2019
   - Technical Advisory Committee: April 2, 2019

6. **VDOT/DRPT/Staff Updates** – Mr. Short reported that VDOT recommended funding scenarios have
   now been posted. Ms. Williams stated that DRPT is evaluating FY20 grant applications.

7. **Other Business** – The committee agreed to have Mr. Short present an I-81 update to the Policy Board in
   March.

Meeting adjourned at 10:57 a.m.

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Glossary of Acronyms

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Technical Advisory Committee Minutes: April 2, 2019 @ 10 a.m.

Frederick County Administrative Offices
107 N. Kent Street, Winchester, VA
First Floor Conference Room

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<td>Rusty Harrington, VA Dept. of Aviation</td>
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1. **Administrative Items:**
   a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
   b) Review and approval of the March 5, 2019 Technical Advisory Committee Meeting Minutes – A motion was made by Mr. Ruddy approving the minutes, seconded by Mr. Short. Motion approved.

2. **Public Comment Period** – None reported.

3. **Adaptive Signal Controllers – Grant Sanders, VDOT**

   Mr. Sanders was unable to attend the meeting; he will give the presentation at the May TAC meeting.

4. **North Winchester Area Study Update – Terry Short, VDOT**

   Mr. Short provided a brief update on the study. The study is moving along well and he will give a presentation on existing conditions in May. This study will be complete by August 2019.


   Ms. Taylor and Mr. Madera reviewed the draft UPWP with the committee. Under Work Task 7: System Planning, committee members discussed several updates and edits that need to be made. Staff will update the document based off discussion and present to the Policy Board in April for their consideration. Following review and discussion, a **motion was made by Mr. Bishop to recommend approval to forward the draft UPWP to the 20 day public comment period, pending public comments received, final approval of the FY20 UPWP. Motion seconded by Mr. Eisenach. Motion carried.**

6. **Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices but may be subject to change):**
   - Project Steering Meeting: TBD
   - Policy Board: April 17, 2019
   - Technical Advisory Committee: May 7, 2019

7. **VDOT/DRPT/Staff Updates**

   VDOT updates: Mr. Short asked that staff take time to review the Long Range Transportation Plan prioritization process. VDOT will be holding an Automated Vehicle Workshop on April 15th at Blue Ridge Community College. SYIP public hearing will be held on April 22nd at Blue Ridge Community College – A VTRANS presentation will be held at 3 p.m.

   Airport updates: Mr. Sabo announced that the airport will be hosting a community event on June 1st. The airport is also in the process of planning for a new terminal facility.

8. **Other Business** – None reported.

Meeting adjourned at 10:50 a.m.

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Phone: 540-636-8800
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Technical Advisory Committee Minutes: May 7, 2019 @ 10 a.m.
Frederick County Administrative Offices
107 N. Kent Street, Winchester, VA
First Floor Conference Room

Member Jurisdiction Representatives

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<th>Frederick County</th>
<th>VDRPT</th>
<th>Staff</th>
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<td>Patrick Barker</td>
<td>Ciara Williams</td>
<td>✓ Brandon Davis</td>
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<td>Todd Horsley</td>
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<tr>
<td>Mike Majher</td>
<td>Renee Wells</td>
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<td>Terry Short</td>
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| Non-Voting       | ✓ Tim Youmans      |                     |

| Mack Frost, FHWA | Shawn Hershberger  |                     |
| Tony Cho, FTA    |                   |                     |
| Rusty Harrington, VA Dept. of Aviation | } |
1. **Administrative Items:**
   a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
   b) Review and approval of the April 2, 2019 Technical Advisory Committee Meeting Minutes – Motion made by Mr. Ruddy approving the minutes, second by Mr. Reed. Motion carried.

2. **Public Comment Period** – None reported.

3. **Adaptive Signal Controllers – Grant Sanders, VDOT**
   Mr. Sanders gave an overview of the InSync Adaptive Traffic Control System that operates signals in the City and County. This was for information only; no action requested.

4. **Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices but may be subject to change):**
   - Project Steering Meeting: TBD
   - Policy Board: May 15, 2019 – Potentially Cancelled
   - Technical Advisory Committee: June 4, 2019

5. **VDOT/DRPT/Staff Updates**
   Mr. Reed reported the following: Pre-application deadline for TA and Revenue sharing has been moved to October 1, 2019; HSIP program will not have a pre-application- Application deadline is August; STARS application was submitted for Pleasant Valley between Tevis and Cork Street and was selected for funding; LRTP vision list set of projects to do - clarify scopes and inclusion or non-inclusion of certain items. Review the list and note that there is a locality sign off column.

   Mr. Madera stated that all I-81 project meetings will follow the monthly TAC meetings. Meetings will last around 30 minutes.

6. **Other Business**
   Mr. Bishop spoke in regards to the SmartScale program and how it is being implemented. This item will be added to the June TAC meeting agenda for further discussion.

Meeting adjourned at 11:15

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400 Kendrick Lane, Suite E, Front Royal, Virginia 22630
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Technical Advisory Committee Minutes: June 4, 2019 @ 10 a.m.
Frederick County Administrative Offices
107 N. Kent Street, Winchester, VA
First Floor Conference Room

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TECHNICAL ADVISORY COMMITTEE (TAC) Meeting Minutes
June 4, 2019 - 10:00 a.m.
Frederick County Administrative Offices – First Floor Conference Room
107 N. Kent Street, Winchester, VA

1. Administrative Items:
   a) Adoption of Agenda – A motion was made by Mr. Ruddy adopting the agenda, seconded by Mr. Eisenach. Motion approved.
   b) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
   c) Review and approval of the May 7, 2019 Technical Advisory Committee Meeting Minutes – A motion was made by Mr. Ruddy approving the minutes, seconded by Mr. Eisenach. Motion approved.

2. Public Comment Period – None reported.

3. VTRANS Update – Katie Schwing, Office of Intermodal Planning & Investment

   Ms. Schwing gave a presentation on the VTRANS update. (attached)

4. Highway Safety Improvement Program Presentation - Keith Rider, Staunton District Traffic Engineer

   Mr. Rider was absent; Mr. Short spoke in his place updating everyone that the program is going to be put on hold for this year.

5. SmartScale Discussion – John Bishop, Frederick County

   Mr. Bishop gave an update on the SmartScale Discussion and will present it to the Policy Board this month.

6. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices but may be subject to change):
   - Project Steering Meeting: July 19, 2019 following the Policy Board meeting.
   - Policy Board: June 19, 2019; July potentially cancelled
   - Technical Advisory Committee: July meeting cancelled

7. VDOT/DRPT/Staff Updates (10 minutes)

   VDOT: Mr. Short updated on I-81, they have been working with their colleagues in Richmond to prioritize the priority list of the 2.2 billion dollars. They’ve got a series of meetings that they’ve had and spreadsheets in preparation for the I-81 committee meetings, expected to take place sometime in July. He stated that things are moving quickly.

8. Other Business – None reported.

Meeting adjourned at 11:45 a.m.

A meeting quorum shall be established by two (2) members of the CITY, two (2) members of the COUNTY and one (1) member of the STATE

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VTrans Update

WinFred MPO TAC Meeting

Katie Schwing, OIPI

Tuesday, June 4th, 2019
FEEDBACK REQUESTS CHECKLIST

- Share performance measures to be used for Needs Identification (today’s meeting)
- Confirm activity centers (ongoing & July regional workshop)
- Confirm presence of UDAs and UDA contacts (ongoing with localities)
TRANSPORTATION’S ROLE IN ECONOMY

• Population and employment trends provide insight to transportation demand:
  – Economic model is changing – some businesses are choosing locations based on quality of life (workers prefer walkable places to live and work)
  – Different industry clusters have different transportation modal demand
  – Transportation plays an important role in attracting future workforce
  – Generational values/expectations guide where people choose to live and work
DEMOGRAPHIC TRENDS: POPULATION BY CTB DISTRICT

Percentage of Population (By CTB District)

2017 TOTAL POPULATION 8,470,020

- N. Virginia 30%
- Hampton Roads 21%
- Richmond 15%
- Salem 8%
- Staunton 7%
- Fredericksburg 6%
- Culpeper 5%
- Lynchburg 5%
- Bristol 4%

Source: Data provided by Weldon Cooper Center for Public Service. Analysis by the Virginia Transportation Research Council.
DEMOGRAPHIC TRENDS: POPULATION CHANGE BY PDCs – 2000-2017

Source: Data provided by Weldon Cooper Center for Public Service. Analysis by the Virginia Transportation Research Council.
DEMOGRAPHIC TRENDS: POPULATION CHANGE BY PDCS – 2017-2045

Statewide Population Change: 24.3%

Source: Data provided by Weldon Cooper Center for Public Service. Analysis by the Virginia Transportation Research Council.
Demographic Trends: Age Distribution by PDC

Northern Shenandoah Valley RC

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<tr>
<th></th>
<th>UNDER 20</th>
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<td>25%</td>
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Source: Data provided by Weldon Cooper Center for Public Service. Analysis by the Virginia Transportation Research Council.
DEMOGRAPHIC TRENDS: EMPLOYMENT BY PDC – 1975 TO 2045

Source: Data provided by Woods and Poole. Analysis by the Virginia Transportation Research Council.
DEMOGRAPHIC TRENDS: EMPLOYMENT BY PDC – 1975 TO 2045*

*Does not include Statewide, Northern Virginia PDC, Richmond Regional PDC, and Hampton Roads PDC

2017-2045 Forecast

2017-2045 % Growth

- 67.5% - Roanoke Valley
- 30.8% - George Washington
- 36.5% - Central Shenandoah
- 33.9% - Thomas Jefferson
- 40.5% - Region 2000
- 39.0% - North Shenandoah
- 47.2% - Rappah-Rapidan
- 26.2% - New River Valley
- 19.1% - Mount Rogers
- 24.2% - West Piedmont
- 16.3% - Crater
- 19.0% - Cumberland Plat
- 24.4% - Commonwealth
- 27.4% - Middle Peninsula
- 18.8% - Southside
- 23.1% - Lenowisco
- 27.3% - Accomack-North
- 25.3% - Northern Neck

Source: Data provided by Woods and Poole. Analysis by the Virginia Transportation Research Council.
DEMOGRAPHIC TRENDS: STATEWIDE EMPLOYMENT BY INDUSTRY

Source: Data provided by Woods and Poole. Analysis by the Virginia Transportation Research Council.
DEMOGRAPHIC TRENDS: PDC EMPLOYMENT BY INDUSTRY

Source: Data provided by Woods and Poole. Analysis by the Virginia Transportation Research Council.
Different industry clusters have different Needs, Opportunities and Constraints for efficient transportation.
DEMOGRAPHIC TRENDS: PDC EMPLOYMENT BY INDUSTRY

Northern Shenandoah Valley RC

<table>
<thead>
<tr>
<th>Year</th>
<th>Local Serving</th>
<th>Freight Dependent</th>
<th>Knowledge-Based</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>54%</td>
<td>36%</td>
<td>10%</td>
</tr>
<tr>
<td>2017</td>
<td>63%</td>
<td>26%</td>
<td>11%</td>
</tr>
<tr>
<td>2045</td>
<td>68%</td>
<td>21%</td>
<td>12%</td>
</tr>
</tbody>
</table>

Statewide:
- 2000: Local 58%, Freight 23%, Knowledge 19%
- 2017: Local 63%, Freight 18%, Knowledge 19%
- 2045: Local 65%, Freight 15%, Knowledge 20%

Source: Data provided by Woods and Poole. Analysis by the Virginia Transportation Research Council.
TRAVEL MARKETS OVERVIEW

• **Corridors of Statewide Significance (CoSS)** [Code of Virginia § 33.2-35]
  – Serve inter-regional travel

• **Regional Networks** [Code of Virginia in § 33.2-353]
  – Serve commuters, intra-regional, and local travel

• **Urban Development Areas (UDA)** [Code of Virginia § 33.2-353 and § 15.2-2223.1]
  – Designated by local governments
  – Intended to promote walkable development and traditional neighborhood design
Corridors of Statewide Significance*  

Corridors of Statewide Significance serve inter-regional travel.
Regional Networks serve commuters, intra-regional and local travel.

*Thin lines of same color represent Corridor Component Facilities

Airports  
Ports  
Rail Network  
Regional Networks

Travel Markets:

Virginia’s Transportation Plan
Corridors of Statewide Significance:

- Coastal Corridor
- Crescent Corridor
- East-West Corridor
- Eastern Shore Corridor
- Heartland Corridor
- North Carolina to West Virginia Corridor
- North-South Corridor
- Northern Virginia Corridor
- Seminole Corridor
- Southside Corridor
- Washington to North Carolina Corridor
- Western Mountain Corridor

*Thin lines of same color represent Corridor Component Facilities

Airports
Ports
Rail Network
Regional Networks
Urban Development Areas (as of May 2018)

Travel Markets:

Corridors of Statewide Significance serve inter-regional travel.

Regional Networks serve commuters, intra-regional and local travel.

Urban Development Areas are designated by local governments and are intended to promote walkable development and traditional neighborhood design.
Mid-Term Needs Approach:

- Validate and build upon needs identified in VTrans2040
- Introduce new/improved data sources and new measures in line with federal performance reporting requirements
- Tie measures to VTrans Goals and Objectives
- Coordinate with regional and local stakeholders to update needs
Mid-Term Needs Approach by Travel Markets:

- CoSS – more data-driven, smaller segments than last time
- RN – build on VTrans2040, verify, update, confirm/revise
- UDA – build on VTrans2040, verify, update, confirm/revise
- Safety – Potential for Safety Improvements (PSI)
## Travel Markets & Mid-Term Needs Analysis

<table>
<thead>
<tr>
<th>Starting Point</th>
<th>CoSS</th>
<th>Regional Networks</th>
<th>UDA</th>
<th>Safety (Statewide)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Analysis of CoSS</td>
<td>VTrans2040 RN needs</td>
<td>VTrans2040 UDA needs</td>
<td>Full analysis of PSI locations</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How will measures be used?</th>
<th>Identified needs</th>
<th>Validation of previously identified needs and identification of new needs</th>
<th>Needs must support UDA legislative requirements (<a href="#">§ 15.2-2223.1</a>)</th>
<th>Identification of new needs</th>
</tr>
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<td>Identification of new needs</td>
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<td>Identification of new needs</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Stakeholder engagement required</th>
<th>Review and comment on identified needs</th>
<th>Regional workshops for needs identification with MPOs, PDCs, and localities</th>
<th>Survey/Needs questionnaire with localities</th>
<th>Review and comment on identified needs</th>
</tr>
</thead>
</table>
VTrans Goals

VTrans2040 Goals

Goal A: Economic Competitiveness and Prosperity

Goal B: Accessible and Connected Places

Goal C: Safety for All Users

Goal D: Proactive System Management

Goal E: Healthy Communities and Sustainable Transportation Communities
# DRAFT - Mid-Term Needs Identification Measures

<table>
<thead>
<tr>
<th>Goal</th>
<th>Mid-Term Needs Measures</th>
<th>CoSS</th>
<th>Regional Network</th>
<th>UDA</th>
<th>Safety</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Throughput</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Travel Time</td>
<td>✔</td>
<td>✓*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Person Delay During Unreliable Conditions (PDDUC)**</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A</td>
<td>Interstate: Heavy/medium truck*** vehicle hours of delay per lane mile</td>
<td>✔</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Accessibility measures – to be determined</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B</td>
<td>Disadvantaged communities beyond ¼ mile access to transit</td>
<td></td>
<td>✓</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C</td>
<td>PSI – Potential for safety improvements, (top X percentile and with minimum of Y crashes)</td>
<td>✔</td>
<td>✓</td>
<td>✓</td>
<td></td>
</tr>
</tbody>
</table>

* Based on availability of data  
** Multiply the volume by the travel time beyond the 50th percentile for segment and time period  
*** Vehicles defined in federal vehicle classification scheme as Class 5 or greater
• If you have or plan to have a UDA:
  – Verify UDA Contact Name and info
  – Verify UDA list
  – Verify UDA boundaries
  – Submit updated UDA boundary shapefiles (if needed)
  – Submit new UDA boundary shapefiles
  – Complete UDA Needs Questionnaire
PSI-BASED SAFETY NEEDS APPROACH

• Historic crash data being transferred to VDOT’s current linearly-referenced network
• Thresholds under review
• Desire to update to focus on “worst of the worst”
• Discussing need/desire to harmonize HSIP & SMART SCALE/VTrans measures
• CTB will approve SMART SCALE measure
## MPO Participation Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>VTrans Task</th>
<th>MPO Role</th>
</tr>
</thead>
<tbody>
<tr>
<td>May-early June</td>
<td>Presentations to MPO’s</td>
<td>Provide feedback at MPO meetings</td>
</tr>
<tr>
<td>May 30th</td>
<td>Webinar - same as presentation to MPOs</td>
<td>Provide feedback at MPO meetings; PDC role - profile feedback</td>
</tr>
<tr>
<td>June 14th</td>
<td>Webinar on UDA methodology and Instructions to Localities</td>
<td>Watch webinar, ask questions as needed and be able to provide assistance to UDA locality contacts as needed</td>
</tr>
<tr>
<td>Mid June</td>
<td></td>
<td>Provide feedback on needs measures and methodology</td>
</tr>
<tr>
<td>July-early August</td>
<td>Presentations to MPO’s</td>
<td>Attend your area presentation</td>
</tr>
<tr>
<td>Date</td>
<td>VTrans Task</td>
<td>MPO Role</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>------------</td>
</tr>
<tr>
<td>Mid-July</td>
<td>Webinar - same as presentations to MPOs</td>
<td>Attend</td>
</tr>
<tr>
<td>Before September 1st</td>
<td>Draft Mid-Term Needs will be sent out to MPO’s (and made available publicly as well)</td>
<td>Review</td>
</tr>
<tr>
<td>September 1st to early October</td>
<td>OIPI Staff will go out to MPO’s to discuss the draft Mid-Term Needs</td>
<td>Attend</td>
</tr>
<tr>
<td>October 16th</td>
<td>October CTB meeting: Present draft needs and any feedback we’ve heard</td>
<td>N/A</td>
</tr>
<tr>
<td>December 11th</td>
<td>December CTB Meeting: CTB makes final approval on Vision, Goals, Objectives, measures, needs methodology, and Mid-term Needs list</td>
<td>N/A</td>
</tr>
<tr>
<td>Before end of 2019</td>
<td>OIPI will publish final approved list of Mid-Term Needs</td>
<td>N/A</td>
</tr>
</tbody>
</table>
FEEDBACK REQUESTS CHECKLIST

- ✔ Share performance measures to be used for Needs Identification (today’s meeting)
- ❏ Confirm activity centers (ongoing & July regional workshop)
- ❏ Confirm presence of UDAs and UDA contacts (ongoing with localities)
QUESTIONS/DISCUSSION

OIP Staff Contact Information:

<table>
<thead>
<tr>
<th>Name</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Katie Schwing</td>
<td>804.786.2362</td>
<td><a href="mailto:Kathryn.schwing@oipi.virginia.gov">Kathryn.schwing@oipi.virginia.gov</a></td>
</tr>
</tbody>
</table>

Sign up for updates on the website (www.VTrans.org)
Like our Facebook Page (www.facebook.com/VTransVirginia)
Follow our Instagram Page (www.instagram.com/VTransVirginia)
THANK YOU!
Technical Advisory Committee Minutes: September 3, 2019 @ 10 a.m.

Frederick County Administrative Offices
107 N. Kent Street, Winchester, VA
First Floor Conference Room

Member Jurisdiction Representatives

<table>
<thead>
<tr>
<th></th>
<th>DRPT</th>
<th>Staff</th>
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<tr>
<td>Frederick County</td>
<td>Patrick Barker</td>
<td>Ciara Williams</td>
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<td>John Bishop</td>
<td>Todd Horsley</td>
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<td></td>
<td>Mike Ruddy</td>
<td>Winchester Airport</td>
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<td>Jay Tibbs</td>
<td>Nick Sabo</td>
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<tr>
<td>Stephens City</td>
<td>Winchester Transit</td>
<td>Renee Wells</td>
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<td></td>
<td>Mike Majher</td>
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<tr>
<td>VDOT</td>
<td>Winchester</td>
<td>Terry Short</td>
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<td>Tim Youmans</td>
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<tr>
<td></td>
<td>Mack Frost, FHWA</td>
<td>Shawn Hershberger</td>
</tr>
<tr>
<td></td>
<td>Tony Cho, FTA</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rusty Harrington, VA</td>
<td></td>
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</tbody>
</table>
Winchester Frederick County (WinFred) MPO  
TECHNICAL ADVISORY COMMITTEE Minutes  
September 3, 2019 - 10:00 a.m.  
Frederick County Administrative Offices – First Floor Conference Room  
107 N. Kent Street, Winchester, VA

1. Administrative Items:  
   a) Adoption of Agenda – A motion was made by Mr. Bishop adopting the agenda; seconded by Mr. Ruddy. Motion approved.  
   b) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.  
   c) Review and approval of the June 4, 2019 Technical Advisory Committee Meeting Minutes – Motion to approve made by Mr. Ruddy; seconded by Mr. Short. Motion approved.

2. Public Comment Period – None reported.

3. WinFred CLRP Amendment Request for I-81 Projects – Terry Short, VDOT  
   Mr. Short stated that VDOT requests an amendment to the CLRP to include all projects in the I-81 Corridor Improvement Plan within the MPO’s jurisdiction. He stated that this is mainly an administrative item. The only projects that can advance are what the CTB approved for I-81 in June 2019. He stated that the MPO CLR P will need to be amended to reflect these projects. Following discussion, a motion was made by Mr. Bishop to forward a recommendation of approval to the Policy Board approving the 20-day public comment period to add the 313-317 widening project and included in the WinFred MPO CLRP. Motion seconded by Mr. Ruddy. Motion carried.

4. Long Range Transportation Plan (LRTP) Review and Prioritization Update – John Madera, WinFred MPO  
   Mr. Madera gave a PPT on the WinFred MPO LRTP review and prioritization update (attached).

5. System Planning Update – Terry Short, VDOT  
   STARS Pleasant Valley – traffic counts were conducted and completed mid-August. Mr. Youmans requested the traffic counts be shared. STARS Rt. 7 – The consultant has released final products in an ftp file.

   North Winchester Area Study – Future no build volume has been developed. Forecast has been quality checked – large volume increases are not significant. Project is on schedule and Mr. Short will provide an update at the next TAC meeting. The Project Steering Committee will review the data at the end of September or following the October TAC meeting.

6. Upcoming meeting schedule – Project Steering Committee: TBD; Policy Board: September 18, 2019; TAC: October 1, 2019

7. VDOT/DRPT/Staff Updates  
   VDOT Revenue sharing projects are due by October 1, 2019; Mr. Bishop announced that Frederick County will hold the annual Transportation Forum on October 28 in the BOS meeting room. Ms. Taylor reported that the Commuter Bus from Front Royal to DC is still operating. Mr. Davis updated the committee on the Shenandoah County Transit Study and Rails to Trails project.

Meeting adjourned at 11 a.m.
CAC - Citizen Advisory Committee- Serves as an advisory committee to the MPO Policy Board to solicit public input and provide citizen perspective on MPO projects. Conducts public hearings and public input sessions on selected projects at the direction of the Policy Board.

CLRP – Constrained Long-Range Plan – A fiscally-constrained list of projects drawn from the Vision Plan element of the LRTP. All CLRP projects must have an estimated cost and a revenue source identified.

CMAQ- Congestion Mitigation and Air Quality Improvement (CMAQ) Program was implemented to support surface transportation projects and other related efforts that contribute air quality improvements and provide congestion relief.

FHWA - Federal Highway Administration - Within the US Department of Transportation, FHWA is responsible for highway issues, including federal laws and regulations related to metropolitan transportation planning.

FTA - Federal Transit Administration- within the US Department of Transportation, FTA is responsible for public transit issues, including federal laws and regulations related to metropolitan transportation planning.

FTA Section 5303 Funds - This program supports transit planning expenses to support cooperative, continuous, and comprehensive planning for making transportation investment decisions in metropolitan planning areas.

FTA Section 5310 - Transportation for Elderly Persons and Persons with Disabilities - The goal of the Section 5310 Program is to help in meeting the special transportation needs of elderly persons and persons with disabilities. The program is designed to supplement other FTA or assistance programs by funding transportation projects for elderly person and persons with disabilities in all areas – urbanized, small urban, and rural.

HSIP - Highway Safety Improvement Program - The overall purpose of this program is to achieve a significant reduction in traffic fatalities and serious injuries on all public roads through the implementation of infrastructure-related highway safety improvements.

LRTP- Long Range Transportation Plan- Developed and approved by the MPO, the LRTP is a regional plan that includes all transportation projects and programs that the MPO realistically anticipates can be implemented over the next 25 years. LRTP’s may include a VISION PLAN, which is a list of all projects (a “wish list”) but must also include a CLRP. In order to receive federal funding, transportation projects must be included in the LRTP and the TIP.

The FAST Act - On December 4, 2015, President Obama signed the Fixing America’s Surface Transportation (FAST) Act (Pub. L. No. 114-94) into law—the first federal law in over a decade to provide long-term funding certainty for surface transportation infrastructure planning and investment. The FAST Act authorizes $305 billion over fiscal years 2016 through 2020 for highway, highway and motor vehicle safety, public transportation, motor carrier safety, hazardous materials safety, rail, and research, technology, and statistics programs. The FAST Act maintains our focus on safety, keeps intact the established structure of the various highway-related programs we manage, continues efforts to streamline project delivery and, for the first time, provides a dedicated source of federal dollars for freight projects. With the enactment of the FAST Act, states and local governments are now moving forward with critical transportation projects with the confidence that they will have a federal partner over the long term.

NHPP- National Highway Performance Program - The NHPP provides support for the condition and performance of the National Highway System (NHS), for the construction of new facilities on the NHS, and to ensure that investments of Federal-aid funds in highway construction are directed to support progress toward the achievement of performance targets established in a State's asset management plan for the NHS.

STP Funds – Surface Transportation Program funds are Federal Funds disbursed through State DOT’s for Surface Transportation projects.

TAC- Technical Advisory Committee- Serves in an advisory capacity to the Policy Board of the MPO. The TAC works with MPO staff to formulate the UPWP, the LRTP, and provides technical review and assistance on numerous MPO projects undertaken as called out in the UPWP.

TIP - Transportation Improvement Program - Approved by the MPO Policy Board, it is a list of projects and programs that will be implemented over the next six years. In order to receive federal funding, transportation projects must be included in the Constrained Long-Range Plan and the TIP. Amendments are major changes to a project included in the CLRP, TIP or STIP that are not Administrative Modifications.

UPWP – Unified Planning Work Program- MPOs must adopt and implement an annual work program and budget known as the Unified Planning Work Program (UPWP). The UPWP identifies all activities to be undertaken by the MPO during the fiscal year which begins July 1st and ends the following June 30th.

VDOT - Virginia Department of Transportation - Agency responsible for statewide transportation facility planning, construction, and maintenance. VDOT is separate from the Virginia Department of Rail and Public Transportation (VDRPT).
LRTP Prioritization Status Report

September 2019
Purpose

- Meet performance-based planning requirements
- Improve funding competitiveness
- Increase transparency
- Improve plan effectiveness toward stated goals
Tasks

- Develop methodology (VDOT) – COMPLETED
- Update project list (MPO) -- COMPLETED
- Model, score, and rank using Smart Scale-like method (VDOT)
- Prioritize projects (MPO)
- Draft new CLRP (MPO)
Task: Update project list

- Project Steering Committee
- Three two-hour sessions -- June, July, August
- Reviewed 123 projects
- Deleted 39 projects
- Designated 30 projects as “Tier 2”
- Combined Stephens City Bypass & South Frederick Parkway network of 18 projects for modeling
NEXT STEP

- Model & score 37 projects – VDOT staff
AGENDA

1. Administrative Items:
   a) Adoption of Agenda
   b) Welcome and Introductions
   c) Review and approval of the September 5, 2019 Technical Advisory Committee Meeting Minutes *(Attached)*

2. Public Comment Period

3. Update from FHWA – Richard Duran, FHWA


   Virginia MPOs must either agree to support statewide targets or adopt their own by February 27, 2020.

5. Long Range Transportation Plan Review and Prioritization Update – John Madera, WinFred MPO

6. System Planning Update – Terry Short, VDOT

   Status reports on studies currently underway, including the North Winchester Area Plan Phase 2 and the Route 7 and Pleasant Valley Road STARS studies.

7. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices but may be subject to change):
   - Project Steering Meeting: November 5, 2019 (Following TAC Meeting)
   - Policy Board: December 18, 2019
   - Technical Advisory Committee: December 3, 2019

8. VDOT/DRPT/Staff Updates (10 minutes)

9. Other Business (5 minutes)

10. Adjourn

A meeting quorum shall be established by two (2) members of the CITY, two (2) members of the COUNTY and one (1) member of the STATE.
Glossary of Acronyms

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Win-Fred Metropolitan Planning Organization (MPO)
Frederick County  ❖ City of Winchester  ❖ Town of Stephens City

400 Kendrick Lane, Suite E, Front Royal, Virginia 22630
Phone: 540-636-8800
www.winfredmpo.org

Draft Technical Advisory Committee Minutes: September 3, 2019 @ 10 a.m.

Frederick County Administrative Offices
107 N. Kent Street, Winchester, VA
First Floor Conference Room

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<tr>
<th>Member Jurisdiction Representatives</th>
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<tbody>
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<tr>
<td>Tim Youmans</td>
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<td>Mack Frost, FHWA</td>
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<tr>
<td>Tony Cho, FTA</td>
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<tr>
<td>Rusty Harrington, VA</td>
</tr>
<tr>
<td>Dept. of Aviation</td>
</tr>
</tbody>
</table>
1. Administrative Items:
   a) Adoption of Agenda – A motion was made by Mr. Bishop adopting the agenda; seconded by Mr. Ruddy. Motion approved.
   b) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
   c) Review and approval of the June 4, 2019 Technical Advisory Committee Meeting Minutes – Motion to approve made by Mr. Ruddy; seconded by Mr. Short. Motion approved.

2. Public Comment Period – None reported.

3. WinFred CLRP Amendment Request for I-81 Projects – Terry Short, VDOT
   Mr. Short stated that VDOT requests an amendment to the CLRP to include all projects in the I-81 Corridor Improvement Plan within the MPO’s jurisdiction. He stated that this is mainly an administrative item. The only projects that can advance are what the CTB approved for I-81 in June 2019. He stated that the MPO CLRP will need to be amended to reflect these projects. Following discussion, a motion was made by Mr. Bishop to forward a recommendation of approval to the Policy Board approving the 20-day public comment period to add the 313-317 widening project and included in the WinFred MPO CLRP. Motion seconded by Mr. Ruddy. Motion carried.

4. Long Range Transportation Plan (LRTP) Review and Prioritization Update – John Madera, WinFred MPO
   Mr. Madera gave a PPT on the WinFred MPO LRTP review and prioritization update (attached).

5. System Planning Update – Terry Short, VDOT
   STARS Pleasant Valley – traffic counts were conducted and completed mid-August. Mr. Youmans requested the traffic counts be shared. STARS Rt. 7 – The consultant has released final products in an ftp file.

   North Winchester Area Study – Future no build volume has been developed. Forecast has been quality checked – large volume increases are not significant. Project is on schedule and Mr. Short will provide an update at the next TAC meeting. The Project Steering Committee will review the data at the end of September or following the October TAC meeting.

6. Upcoming meeting schedule – Project Steering Committee: TBD; Policy Board: September 18, 2019; TAC: October 1, 2019

7. VDOT/DRPT/Staff Updates
   VDOT Revenue sharing projects are due by October 1, 2019; Mr. Bishop announced that Frederick County will hold the annual Transportation Forum on October 28 in the BOS meeting room. Ms. Taylor reported that the Commuter Bus from Front Royal to DC is still operating. Mr. Davis updated the committee on the Shenandoah County Transit Study and Rails to Trails project.

Meeting adjourned at 11 a.m.
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CLRP – Constrained Long-Range Plan – A fiscally-constrained list of projects drawn from the Vision Plan element of the LRTP. All CLRP projects must have an estimated cost and a revenue source identified.

CMAQ- Congestion Mitigation and Air Quality Improvement (CMAQ) Program was implemented to support surface transportation projects and other related efforts that contribute air quality improvements and provide congestion relief.

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UPWP – Unified Planning Work Program- MPOs must adopt and implement an annual work program and budget known as the Unified Planning Work Program (UPWP). The UPWP identifies all activities to be undertaken by the MPO during the fiscal year which begins July 1st and ends the following June 30th.

VDOT - Virginia Department of Transportation - Agency responsible for statewide transportation facility planning, construction, and maintenance. VDOT is separate from the Virginia Department of Rail and Public Transportation (VDRPT).
Purpose

- Meet performance-based planning requirements
- Improve funding competitiveness
- Increase transparency
- Improve plan effectiveness toward stated goals
Tasks

- Develop methodology (VDOT) – COMPLETED
- Update project list (MPO) -- COMPLETED
- Model, score, and rank using Smart Scale-like method (VDOT)
- Prioritize projects (MPO)
- Draft new CLRP (MPO)
Task: Update project list

- Project Steering Committee
- Three two-hour sessions -- June, July, August
- Reviewed 123 projects
- Deleted 39 projects
- Designated 30 projects as “Tier 2”
- Combined Stephens City Bypass & South Frederick Parkway network of 18 projects for modeling
NEXT STEP

- Model & score 37 projects – VDOT staff
Win-Fred Metropolitan Planning Organization (MPO)

Frederick County ✦ City of Winchester ✦ Town of Stephens City

400 Kendrick Lane, Suite E, Front Royal, Virginia 22630
Phone: 540-636-8800
www.winfredmpo.org

Technical Advisory Committee Minutes: December 3, 2019 @ 10 a.m.

Frederick County Administrative Offices
107 N. Kent Street, Winchester, VA
First Floor Conference Room

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<th>Member Jurisdiction Representatives</th>
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<tr>
<td><strong>Frederick County</strong></td>
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<tr>
<td>Patrick Barker</td>
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<td>John Bishop</td>
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<td>Mike Ruddy</td>
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<td>Jay Tibbs</td>
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<td><strong>Stephens City</strong></td>
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<td>Mike Majher</td>
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<td><strong>VDOT</strong></td>
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<td>Terry Short</td>
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<td><strong>Non-Voting</strong></td>
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<td>Richard Duran, FHWA</td>
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<td>Tony Cho, FTA</td>
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<td>Rusty Harrington, VA Dept. of Aviation</td>
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<td><strong>DRPT</strong></td>
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<td>Ciara Williams</td>
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<td>Todd Horsley</td>
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<td><strong>Winchester Airport</strong></td>
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<td><strong>Winchester Transit</strong></td>
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<td><strong>Others</strong></td>
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<tr>
<td>Renee Wells</td>
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<td>Perry Eisenach</td>
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<td>Matt Smith, VDOT</td>
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<td>Justin Hall</td>
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<td>Tim Youmans</td>
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<td>Shawn Hershberger</td>
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</table>
1. **Administrative Items:**
   a) Adoption of Agenda – A motion was made by Mr. Short approving the agenda; seconded by Mr. Bishop. Motion carried.
   b) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
   c) Review and approval of the November 5, 2019 Technical Advisory Committee Meeting Minutes – A motion was made by Mr. Ruddy approving the minutes; seconded by Mr. Eisenach. Motion carried.

2. **Public Comment Period** – None reported.

3. **Draft Long Range Transportation Plan – John Madera, WinFred MPO**
   The committee discussed and reviewed the list of projects as presented by Mr. Madera. A few members noted that project descriptions were not correct. Following review, the committee agreed to table item to the January meeting.

4. **System Planning Update – Terry Short, VDOT**
   Pleasant Valley Road STARS – making good progress; online survey to begin in December to make available for citizens.

   North Winchester Area Study– VDOT met with County Board members to give an update on the project. Kimley Horn is continuing work on the project.

   Route 7 Study – A modified scope is complete and has been submitted to TMDP. A kickoff meeting with the consultant, VHB was held.

   522 North – VHB is preparing an initial scope of services- broken out by two tasks; this will be a two fiscal year study with task one completed this fiscal year. VDOT met with a representative from the Winchester Regional and gave an update.

   Mr. Short gave an update on VTRANS. The CTB will consider adoption at their December meeting.

5. **Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices but may be subject to change):**
   - Policy Board: December 18, 2019; Technical Advisory Committee: January 7, 2020

6. **VDOT/DRPT/Staff Updates** – covered un agenda item 4.

7. **Other Business** – Mr. Bishop gave an update on Crossover Boulevard and stated the project is running ahead of schedule.

   VDOT requested a TIP adjustment approval for revised/updated FFY20 maintenance federal revenue projections. Motion was made by Mr. Short approving the adjustment; seconded by Ms. Wells. Motion carried.

**Meeting adjourned at 10:53 a.m.**

*Definition of Acronyms on next page*
Glossary of Acronyms

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