

# 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: March 6, 2018 @ 10 a.m.

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

Member Jurisdiction Representatives					
	Frederick County		VDRPT		Staff
✓	Patrick Barker	✓	Ciara Williams	✓	Brandon Davis
✓	John Bishop		Todd Horsley	✓	John Madera
✓	Mike Ruddy		<b>Winchester Airport</b>	✓	Becky Sandretzky
	Kris Tierney		Serena 'Renny' Manuel		
	<b>Stephens City</b>		<b>Winchester Transit</b>		<b>Others</b>
	Mike Majher	✓	Renee Wells	✓	Jay Tibbs, Frederick Co.
	<b>VDOT</b>		<b>Winchester</b>		
✓	Terry Short	✓	Perry Eisenach		
	<b>Non-Voting</b>	✓	Justin Hall		
	Mack Frost, FHWA	✓	Tim Youmans		
	Tony Cho, FTA	✓	Shawn Hershberger		
	Rusty Harrington, VA Dept. of Aviation				

**Winchester Frederick County (WinFred) MPO  
TECHNICAL ADVISORY COMMITTEE (TAC) Meeting Minutes  
March 6, 2018 - 10:00 a.m.  
Frederick County Administrative Offices - First Floor Conference Room  
107 N. Kent Street, Winchester, VA**

**1. Administrative Items:**

- a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
- b) Review and approval of the December 5, 2017 Technical Advisory Committee Meeting Minutes Motion made by Mr. Eisenach approving the minutes; motion seconded by Mr. Tibbs. Motion carried.

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

**3. Staff proposals for FY 2019 UPWP tasks**

Mr. Davis and Mr. Madera brought up for discussion FY2019 UPWP proposed work tasks (PPT Attached) – Safety and Freight Studies. The Committee discussed at length. Mr. Short suggested that staff work with Mr. Barker in regards to selecting stakeholders for the study. Mr. Barker stated that prior to speaking with stakeholders, the committee needs to have a set of clear goals and final expectation of the study. Staff brought up discussion in regards to working with the Shenandoah Valley Traffic Club. The committee agreed that before meeting with this group, a goal of what the MPO is trying to solve needs to be made clear.

Mr. Davis brought up for discussion possibly hiring an additional MPO Planner. He stated that this position would have a unique MPO planning skill set. He stated there is no rush on deciding this. He will draft a job description and send to Mr. Short and Mr. Youmans for review.

The draft FY19 UPWP will be presented to the TAC and Policy Board in April.

**4. Overview of candidate projects for SMART SCALE applications**

The committee discussed the following candidate projects for Smart Scale:

- Route 11 North widening – Old Charlestown Road, 6 lanes including turning lanes
- 317 North ramp realignments across from Red Bud Road
- 522 North, Costello Drive adding another left turning lane
- Shawnee and Opequen intersection improvements
- Exit 307 ramp improvement project

Mr. Short said he is working with County and City staff to refine project scopes in preparation for application.

**5. Upcoming Meeting Schedule (Meetings are held at the Frederick County Administrative Offices):**

- Project steering Meeting: TBA
- Policy Board: March 12, 2018
- Technical Advisory Committee: April 3, 2018

**6. VDOT/DRPT Updates**

- VDOT – Full portal training was held last week: posted online on smart portal.

**7. Staff Project Updates – None reported.**

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

**Meeting adjourned at 11:00 a.m.**

### Glossary of Acronyms

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# FY '19 UPWP Project Ideas

**CLRP 2040**

**Safety Study & Plan**

**Freight Program**

**State & Federal Tasks**

**Local Technical Assistance**

# Scope

- PSC reviews no-build model, defines projects
- VDOT estimates project costs
- Consultant scores individual projects through SMART SCALE
- Consultant runs build model, compares results w/ no-build
- Scenarios – optional (strategies, travel demand, socioeconomic, funding)

**CLRP 2040**

# Scope: Analysis

- MPO – wide
- 5 years, 7,000 crashes
- Black spots
- Systemic issues
- Behavior

**Safety Study & Plan**

# Scope: Recommendations

- Evidence-based
- Engineering (capital projects)
- Education
- Enforcement

**Safety Study & Plan**

# Value

- SMART SCALE, HSIP points – more competitive projects
- New metro planning stakeholders (law enforcement, DMV)
- Saved lives and property; fewer injuries

**Safety Study & Plan**



# Scope

- Meet w/ regional freight stakeholders
- Re-scope North Winchester Area Plan

**Freight Program**

# Scope

- Joint agreement on performance management processes
- Adopt performance targets
  - Pavement & bridge condition
  - Highway performance
  - WinTran asset condition
  - WinTran safety (optional)

**State & Federal Tasks**

# Scope

- New hire, based in Winchester
  - Small-scale project technical analysis
  - Project implementation & funding

**Local Technical Assistance**

Your thoughts?

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## Technical Advisory Committee Minutes: April 3, 2018 @ 10 a.m.

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

Member Jurisdiction Representatives					
	Frederick County		VDRPT		Staff
	Patrick Barker		Ciara Williams	✓	Brandon Davis
✓	John Bishop		Todd Horsley	✓	John Madera
✓	Mike Ruddy		<b>Winchester Airport</b>	✓	Karen Taylor
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	Mack Frost, FHWA	✓	Tim Youmans		
	Tony Cho, FTA	✓	Shawn Hershberger		
	Rusty Harrington, VA Dept. of Aviation				

**Winchester Frederick County (WinFred) MPO**  
**Draft TECHNICAL ADVISORY COMMITTEE (TAC) Meeting Minutes**  
**April 3, 2018 - 10:00 a.m.**  
**Frederick County Administrative Offices - First Floor Conference Room**  
**107 N. Kent Street, Winchester, VA**

**1. Administrative Items:**

- a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
- b) Review and approval of the March 6, 2018 Technical Advisory Committee Meeting Minutes – Motion to approve minutes made by Mr. Ruddy; seconded by Mr. Short. Motion carried.

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

**3. Review of the Draft FY19 Unified Planning Work Program (UPWP)**

Ms. Taylor and Mr. Madera presented the Draft FY19 UPWP. Staff and the committee reviewed the work program at length. The committee recommended the following updates:

Route 7 Corridor Study – Mr. Bishop requested that this study replicate the STARS Route 11 Study. The outcome should be focused on Smart Scale projects. Mr. Eisenach suggested that the study boundary expand to Fort Collier Road.

North Winchester Study – Mr. Bishop stressed that he is concerned about scope creep in regards to the current task description. He requested the following updates: expand scope to Snowden Drive and Old Charlestown Road; Lenoir Drive should not be rolled into the larger North Winchester Study – should be a separate project with a clearly defined scope. He stated that analysis of Welltown Road and Crown Cork and Seal and their accessibility to Route 11 are important to Frederick County’s Transportation Committee Chairman.

Metropolitan Transportation Study – Mr. Short stated that VDOT staff will assist with supplying data for this study which in return will aid in lowering costs. NSVRC will engage the GIS Planner which will also lower costs.

Mr. Bishop requested that staff provide a project timeline spreadsheet for each of the studies. This will keep TAC informed on project status.

Mr. Short requested that the WinFred MPO website be revamped. Ms. Taylor will serve as the project manager for this task.

Staff will present the draft UPWP to the Policy Board in April for information only and no action requested.

Staff will make the requested updates to the draft UPWP and present at the May TAC meeting.

**4. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices):**

- Project Steering Meeting: TBA
- Policy Board: April 18, 2018
- Technical Advisory Committee: May 1, 2018

**5. VDOT/DRPT/Staff Updates – None reported.**

**6. Other Business – Mr. Davis presented information on the General Assembly’s legislation in regards to I-81.**

**Meeting adjourned at 10:45 a.m.**

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## Technical Advisory Committee Minutes: May 1, 2018 @ 10 a.m.

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

Member Jurisdiction Representatives					
	<b>Frederick County</b>		<b>VDRPT</b>		<b>Staff</b>
	Patrick Barker		Ciara Williams		Brandon Davis
✓	John Bishop	✓	Todd Horsley	✓	John Madera
✓	Mike Ruddy		<b>Winchester Airport</b>	✓	Karen Taylor
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	<b>Stephens City</b>		<b>Winchester Transit</b>		<b>Others</b>
	Mike Majher		Renee Wells		
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✓	Terry Short	✓	Perry Eisenach		
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**Winchester Frederick County (WinFred) MPO  
TECHNICAL ADVISORY COMMITTEE (TAC) Meeting**

**May 1, 2018 - 10:00 a.m.**

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

**1. Administrative Items:**

- a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting. Mr. Bishop voted to move the North Winchester Interchange Alternatives Analysis Report (IAAR) to item 5; this was seconded by Mr. Ruddy. Motion Carried.
- b) Review and approval of the April 3, 2018 Technical Advisory Committee Meeting Minutes – Motion to approve minutes made by Mr. Ruddy; seconded by Mr. Eisenach. Motion carried.

**2. Public Comment Period**

None reported.

**3. Draft FY19 Unified Planning Work Program (UPWP)**

Ms. Taylor presented the updated UPWP with a few changes from last month's review. Ms. Taylor changed the budget in work task 5. This gives \$50,000 to the Technical Assistance for the fiscal year. Mr. Madera made changes to The North Winchester Area Plan recommended by Mr. Bishop and Mr. DeHaven. Staff and the committee reviewed the program at length. The committee recommended the following updates:

North Winchester Study – Mr. Bishop addressed item 3. Interchange Justification Report (Optional) Route 37 and Lenoir Drive extension, providing access to Stonewall Industrial Park. He suggested changing the word *optional* to *analysis* sufficient to meet Smart Scale requirements. Mr. Bishop also stated that he believes it is important to note that we are studying the closure of Welltown Road at Martinsburg Pike, with re-routing of traffic via Crown Lane and a new roadway link to Welltown Road as an alternative. Mr. Youmans noticed that there is access to and from Lenoir Drive from southbound Route 37.

Ms. Taylor presented the UPWP to the policy board last month. Mr. Bishop made a motion that we recommend to the policy board that they forward the UPWP for the 20-day public comment period with the clarifications noted earlier in the discussion. This motion was seconded by Mr. Eisenach. Motion carried.

**4. Update on the Bicycle & Pedestrian Planning Implementation Project**

Mr. Madera presented that a few years ago the Bicycle & Pedestrian Master Plan was updated for the MPO, this year they have been working with the consultant and the City to begin implementing some of the recommendations from that Plan. He presented the upcoming public workshop that will take place on May 23, 2018 from 6 - 7:30 PM at Our Health, Inc. The consultant will be presenting their initial concepts of the north south bikeway, stretching from Jubal Early and Valley Avenue all the way up to Brooke Road. They are looking to establish a safe and comfortable route for bicycling. They are also looking at developing a system of signage for the Green Circle Trail.

**5. North Winchester Interchange Alternative Analysis Report (IAAR)**

Mr. Short discussed the Kimley Horn contract. He stated that the North bound on and off ramp at 81 to Old Charlestown Road is an initial segment of the corridor that we would like to apply for Smart Scale Application for this round. To help facilitate this we already have this open opportunity with Kimley Horn and we could modify and do a break out subtask that would compliment the larger area plan that we have discussed for the upcoming fiscal year; using dollars that are already programmed in the UPTWP. Mr. Bishop stated that this has applicability for potential HSIP applications for next year. Chairman Youmans stated that the title should be changed. Mr. Madera changed the name to **North Winchester Area Plan Phase 1**.

Mr. Bishop made a motion for approval; the motion was seconded by Mr. Ruddy. Motion carried.

**6. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices):**

- Project Steering Meeting: TBA
- Policy Board: May16, 2018
- Technical Advisory Committee: June 5, 2018

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

Mr. Short presented the following updates:

Memorandum of understanding – has to be updated every 4 years, staff is working to have it finalized and brought to the next meeting for the chairman’s approval. The policy board will have to give authorization for the chairman to sign it on the MPO’s behalf.

The deadline to submit Smart Scale Pre-Applications is June 1<sup>st</sup>.

SYIP meeting is Thursday, May 3<sup>rd</sup> in Staunton.

I-81Update - there will be two meetings held in the district in the month of June, with a highly inclusive public process. One meeting will be held at Lord Fairfax Community College and the other will be held at Blue Ridge Community College. The study is on tolling, economic impacts of freight, and project identifications. November 30<sup>th</sup> is VDOT’s deadline to get this to the CTB.

Regarding the Route 11 North study, Mr. Short had a long discussion with WSP and they would like to schedule a July 10<sup>th</sup> citizen information meeting for the STARS study. Mr. Short wants to get the CIM done in advance before the August 1<sup>st</sup> application.

Mr. Short presented the STARS discussion and quickly reviewed the STARS recommendations of refinement from the last steering committee meeting that was held and make sure there were no aversions that needed to be made before finalization. The committee discussed this and made changes as needed.

**8. Other Business - None reported.**

Meeting adjourned at 11:00 a.m.

**Definition of Acronyms on next page**

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## Technical Advisory Committee Minutes: June 5, 2018 @ 10 a.m.

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TECHNICAL ADVISORY COMMITTEE (TAC) Meeting  
June 5, 2018 - 10:00 a.m.  
Frederick County Administrative Offices - First Floor Conference Room  
107 N. Kent Street, Winchester, VA**

**AGENDA**

**1. Administrative Items:**

- a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
- b) Review and approval of the May 1, 2018 Technical Advisory Committee Meeting Minutes – Motion to approve minutes made by Mr. Short; seconded by Mr. Eisenach. Motion carried.

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

**3. Transit Funding and Reforms in Virginia – Todd Horsley, DRPT**

Mr. Horsley gave a power point presentation on Transit Funding and Reforms in Virginia (presentation attached to the minutes).

**4. SmartScale Applications Resolution of Support – John Madera, NSVRC**

Mr. Madera handed out a draft of the 2018 SMART SCALE applications for WinFred MPO Resolutions of Support. He reported that all transportation projects must be submitted to SmartScale from any MPO areas, to be sure they have the support needed and make sure they are eligible for SmartScale. The draft consists of the list of projects that will be submitted from the WinFred MPO. Mr. Madera suggested that the draft be forwarded to the Policy Board for approval.

Mr. Bishop suggested that we change the language under the Frederick County number 3 to read, “Route 522 at Costello Drive Turn Lane and Intersection Operations Improvement.”

Mr. Eisenach made a motion to recommend to the Policy Board approving the Resolution; seconded by Mr. Bishop. Motion carried.

**5. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices):**

- Project Steering Meeting: TBA
- Policy Board: June 20, 2018
- Technical Advisory Committee: July 5, 2018 - Cancelled

**6. VDOT/DRPT/Staff Updates**

Mr. Short presented an update from VDOT:

Senate Bill 971 I-81 meetings, the first one will be held on June 12, 2018 at 4:00 – 7:00 p.m. at Strasburg High School. There will be an elected official meet and greet for all elected representatives throughout the district, as well as assembly members.

The SMART SCALE pre-application deadline has been extended until this Friday, June 8, 2018.

Memorandum of Understanding – Mr. Short stated that a revised MOU is being prepared; revisions are very minor. Mr. Short suggested that for informational purposes to present this to the Policy Board this month and get a signature on the revisions that were made.

Route 11 North study – There has been great progress with this task. The Consultant is looking at an Interchange up to Old Charlestown Road. During round two of SmartScale, the County made an application for a 6-lane widening which was not received well. Different ideas will be suggested for this so that it can be competitive. There is a possibility of a roundabout at Old Charlestown and Route. 11 with a northbound right turn slip lane to Eastbound Old Charlestown with a median for a few hundred feet south of that intersection.

Frederick County is making an application for the Route 81, Exit 317 Northbound ramp realignments in conjunction with the balance to complete the Red Bud relocation.

Mr. Short briefly spoke about updated Performance Based Planning and Programming – Safety Performance Measures. This will also be discussed at the June Policy Board meeting.

**7. Other Business - None reported.**

**8. Meeting adjourned at 11 a.m.**

**Definition of Acronyms on next page**

### **Glossary of Acronyms**

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Virginia Department of Rail and Public Transportation

# Transit Funding and Reforms in Virginia

WinFred Technical Advisory Committee

June 5, 2018

**Todd Horsley**

**Director of  
Northern Virginia  
Transit Programs**



# Commonwealth Mass Transit Fund



## Restructured Fund:

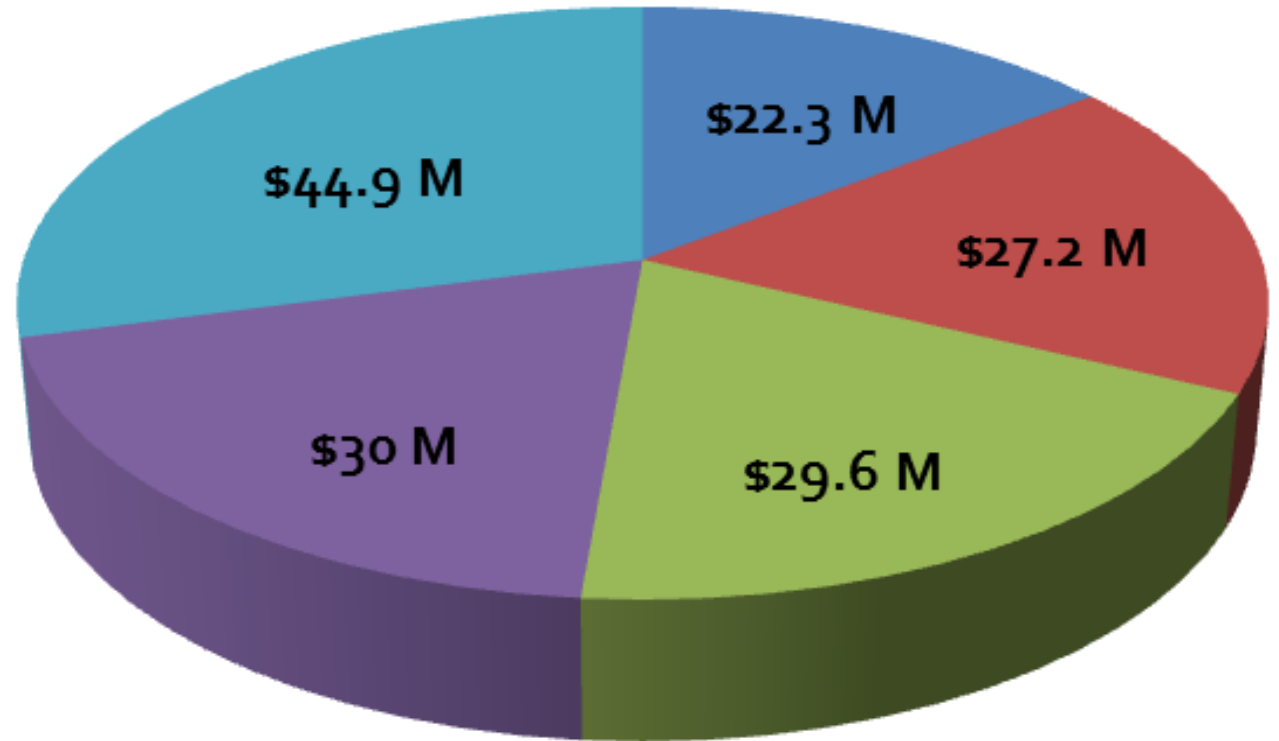
- Statewide Operating – 31%
- Statewide Capital – 12.5%
- WMATA Operating & Capital – 53.5%
- Special Projects – 3%
  - TDM, experimental transit, operation studies, & technical assistance

## CPR Bonds:

- Does not address the statewide revenue loss by reauthorizing bonds
- One-time \$50 million reauthorization for federal PRIIA match for WMATA

## New WMATA Capital Fund: \$154 M annually

- NVTC Regional Gas Tax Floor
- NVTA 30% Local Contribution
- 2% NVTC Transient Occupancy Tax
- Statewide Recordation and Motor Vehicle Rental Tax
- \$0.10/\$100 NVTC grantor's tax



# Statewide Transit Capital Prioritization



- Effective July 1, 2019
- WMATA exempt from the prioritization process
- State of Good Repair
  - Based on transit asset management principles, including federal requirements for Transit Asset Management
- Minor Enhancement
- Major Expansion
  - Based on SMART SCALE factors:
    - Congestion mitigation
    - Economic development
    - Accessibility
    - Safety
    - Environmental quality
    - Land use

# Recommended Prioritization Principles



- Program Priorities
  - Reduce backlog
  - Maintain state of good repair
- Match Rate
  - Single rate for all assets, 68%
- Program Structure
  - Separate funding for state of good repair, minor enhancement, and major expansion
- Transparency

# Statewide Transit Operating Funds

- Effective July 1, 2019
- WMATA exempt from process
- 100% of Statewide Operating Funds:
  - Allocated on the basis of service delivery factors
  - Made available for public comment at least one year before application
- Current Factors:
  - Passengers Per Revenue Hour
  - Passengers Per Revenue Mile
  - Net Cost Per Passenger



# Urban Transit Agency Strategic Plans



- Required every five years from transit agencies with 20+ bus fleet serving urbanized areas of 50,000+ population (16 transit agencies in VA)
- Guidelines
  - Assessment of state of good repair needs
  - Review of the performance of fixed-route bus service
  - Evaluation of opportunities to improve operating efficiency of the transit network
  - Examination and identification of opportunities to share services where multiple transit providers' services overlap
  - Examination of opportunities to improve service in underserved areas

# Transit in Northern Virginia



- WMATA Reforms
  - WMATA Board of Director Membership and role of alternates
  - WMATA Operating Expenses
  - WMATA Capital Improvement Program & Strategic Plan
  - NVTC Oversight & Annual Reporting
- VRE Funding
  - \$15 M: Commuter Rail Operating and Capital Fund (NOVA gasoline tax floor revenues)
- PRTC Dedicated Funding
  - \$7.85 M: NOVA gas tax floor revenues



Virginia Department of Rail and Public Transportation

# Transit Funding and Reforms in Virginia

WinFred Technical Advisory Committee

June 5, 2018

**Todd Horsley**

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# 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: September 4, 2018 @ 10 a.m.

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

<b>Member Jurisdiction Representatives</b>					
	<b>Frederick County</b>		<b>VDRPT</b>		<b>Staff</b>
✓	Patrick Barker		Ciara Williams	✓	Brandon Davis
✓	John Bishop	✓	Todd Horsley	✓	Karen Taylor
✓	Mike Ruddy		<b>Winchester Airport</b>		
	Jay Tibbs		Serena ‘Renny’ Manuel		
	<b>Stephens City</b>		<b>Winchester Transit</b>		<b>Others</b>
	Mike Majher	✓	Renee Wells	✓	Alexander Alvarado, VDOT
	<b>VDOT</b>		<b>Winchester</b>		
✓	Terry Short	✓	Perry Eisenach		
	<b>Non-Voting</b>	✓	Justin Hall		
	Mack Frost, FHWA	✓	Tim Youmans		
	Tony Cho, FTA	✓	Shawn Hershberger		
	Rusty Harrington, VA Dept. of Aviation				

**Winchester Frederick County (WinFred) MPO  
TECHNICAL ADVISORY COMMITTEE (TAC) Meeting Minutes  
September 4, 2018 - 10:00 a.m.  
Frederick County Administrative Offices - First Floor Conference Room  
107 N. Kent Street, Winchester, VA**

**1. Administrative Items:**

- a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting. Mr. Bishop requested to add an agenda item – Update on the I-81 study. All agreed.
- b) Review and approval of the June 5, 2018 Technical Advisory Committee Meeting Minutes – Motion made by Mr. Short approving the minutes; seconded by Ms. Wells. Motion carried.

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

**3. Route 11 (Valley Pike/Valley Avenue) Corridor Study Draft Report**

Mr. Short reviewed the Draft Report with the Committee. Following a discussion the Committee decided to the following: TAC will review and submit comments to Ms. Taylor by Friday, September 14, 2018. A formal presentation of the report will be given to TAC in October. Following that presentation TAC will discuss moving forward with presenting to the Policy Board.

**4. Presentation of the Newly Redesigned WinFred MPO Website**

Ms. Taylor presented the new site to the Committee.

**5. Discussion on the I-81 Study**

The Committee discussed some of the recommendations they have seen thus far. Following the discussion, it was agreed upon that the MPO would submit a formal letter and comments by the September 30 deadline. This will be sent to the City and County prior to submittal and will be presented at the September Policy Board meeting.

**6. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices):**

- Project Steering Meeting: TBA
- Policy Board: September 19, 2018
- Technical Advisory Committee: October 2, 2018
- CTB Meetings in Winchester: September 17 & 18, 2018

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

Mr. Short gave an overview of the Route 11 North Study. He stated that the County Comprehensive Plan called for a six way widening which was not successful. He stated that they are working with Kimley Horn in regards to a dual lane round a bout at Charlestown Rd. Discussed the ramp realignment at 317 - looked at entire interchange; possibility for a Diverging Diamond Interchange concept. Mr. Short and MPO staff will work to negotiate a contract extension with Kimley Horn to fulfill the UPWP line item. This study is due to be completed this fiscal year.

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

**Meeting adjourned at 11 a.m.**

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## Technical Advisory Committee Minutes: October 2, 2018 @ 10 a.m.

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

<b>Member Jurisdiction Representatives</b>					
	<b>Frederick County</b>		<b>VDRPT</b>		<b>Staff</b>
✓	Patrick Barker		Ciara Williams	✓	Brandon Davis
✓	John Bishop		Todd Horsley		John Madera
✓	Mike Ruddy		<b>Winchester Airport</b>	✓	Karen Taylor
✓	Jay Tibbs	X	Nick Sabo	✓	Becky Sandretzky
	<b>Stephens City</b>		<b>Winchester Transit</b>		<b>Others</b>
	Mike Majher		Renee Wells	✓	Josh Janney, Winchester Star
	<b>VDOT</b>		<b>Winchester</b>		
✓	Terry Short		Perry Eisenach		
	<b>Non-Voting</b>	✓	Justin Hall		
	Mack Frost, FHWA	✓	Tim Youmans		
	Tony Cho, FTA		Shawn Hershberger		
	Rusty Harrington, VA Dept. of Aviation				

**Winchester Frederick County (WinFred) MPO  
TECHNICAL ADVISORY COMMITTEE (TAC) Meeting Minutes  
October 2, 2018 - 10:00 a.m.  
Frederick County Administrative Offices - First Floor Conference Room  
107 N. Kent Street, Winchester, VA**

**1. Administrative Items:**

- a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
- b) Review and approval of the September 4, 2018 Technical Advisory Committee Meeting Minutes- Motion to approve minutes made by Mr. Ruddy; seconded by Mr. Bishop. Motion carried.

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

**3. Route 11 (Valley Pike/Valley Avenue) Corridor Study Draft Report – Terry Short, VDOT**

Mr. Raut gave a power point presentation on the Route 11 (Valley Pike/Valley Avenue) Corridor Study Draft Report. (attached)

**Action: Acceptance of report as fulfillment of project requirements.**

Mr. Bishop stated in Alternative A – Operational Improvements (to be implemented by County) needed to be changed to read, “Alternative A – Operational Improvements (to be implemented by VDOT)

Mr. Bishop stated in Alternative B - Geometric Improvements on Route 11 between Shawnee Drive and Rubbermaid Entrance, that VDOT is calling it a bridge and not a boxed culvert.

Mr. Bishop stated that safety applications are coming up and he also raised the 711 entrances with VDOT trafficking engineering as a potential.

Alternative C2 – Pedestrian, Transit and Access Management Improvements along Route 11

In regards to just north of Commonwealth Court on the west side of the roadway, Mr. Bishop recommended to close both entrances to the lot and take the number of entrances from 3 to 1. Mr. Ruddy mentioned that in previous discussion that there should be full access to the whole site across from Hud Way, in hopes to align that entrance and provide access to that whole area, giving them more redevelopment opportunity.

Mr. Youmans asked if the apartment complex across from Battle Park Drive at the North entrance was being converted to have a right in as well as a right out, and Mr. Raut stated that it was a right in and right out.

Mr. Sanders in signal operations for VDOT suggested because of the back ups on Route 37 North bound off ramp to North bound 11 where it turns from 2 lanes into 1 lane that the 2 lanes should carry on. Mr. Logan with traffic Engineering for VDOT stated that the next time this road gets repaved, it will get restriped. This will be shown in the plan. Mr. Short suggested we show all improvements that we think have an immediate need on the exhibit. Mr. Raut said we will show the improvements in the North bound direction to have the 2 lanes to continue and drop into Hood Way, as well as showing the South bound lane that turns on to Route 37 and state it will be done on a later project.

Alternative D – Continuous Green -T at Route 11/Apple Valley Road, Mr. Bishop mentioned the cost of this makes it non-competitive based on the amount of actual traffic. Mr. Short suggested to redesign it for a future plan.

#### **4. Performances targets for asset condition and system performance – Brandon Davis, NSVRC**

VDOT established targets for asset condition and system performance on May 18, 2018, starting the 180-day clock for establishment of non-safety targets by the each of the state's 15 MPOs. MPOs must establish targets by November 14, 2018.

Mr. Davis started off with performance targets for asset condition and system performances, essentially what that means is the quality of the pavement and the bridges and the travel time reliability. Federal Highway funds require Virginia to set these targets and Virginia requires the MPO's to either agree or set and track our own targets. Last year the MPO set safety targets accepting the states recommendation and we are now setting these targets as mentioned, required by the Federal Government. The state has performed the analysis and has established the targets, the CTB approved those on September 18<sup>th</sup>, we received this information on September 21<sup>st</sup> and the deadline for action is November 14<sup>th</sup>. We can either agree and accept the targets recommended by VDOT and the CTB or engage a consultant to perform our own analysis and set and track our own targets. It is staff's recommendation based on our previous history and communication with VDOT that we work cooperatively with VDOT and accept what the CTB has set and help them implement it. Mr. Short stated that VDOT reports output to the specific MPO and confirmed the state would report any materials that we need.

Mr. Bishop made a motion to move forward and adopt the states targets for asset conditions system performance as modified by the Commonwealth of Transportation Board, seconded by Mr. Tibbs. Motion carried.

**Action: Recommendation to the Policy Board to adopt the state's targets for asset condition and system performance.**

#### **5. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices):**

- Project Steering Meeting: TBA
- Policy Board: October 17, 2018
- Technical Advisory Committee: November 6, 2018

#### **6. VDOT/DRPT/Staff Updates (10 minutes)**

VDOT – I81 meetings on the 17<sup>th</sup> at Blue Ridge Community College and 18<sup>th</sup> at Shenandoah University. The 6-year program meeting with the CTB in conjunction with the I81 meeting on the 17<sup>th</sup>.

#### **7. Other Business (5 minutes)**

Mr. Bishop announced that the Frederick County Transportation Forum will take place October 25<sup>th</sup>, doors open at 6 o'clock at the Winchester regional airport.

**Meeting adjourned at 11:15 a.m.**

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# STARS

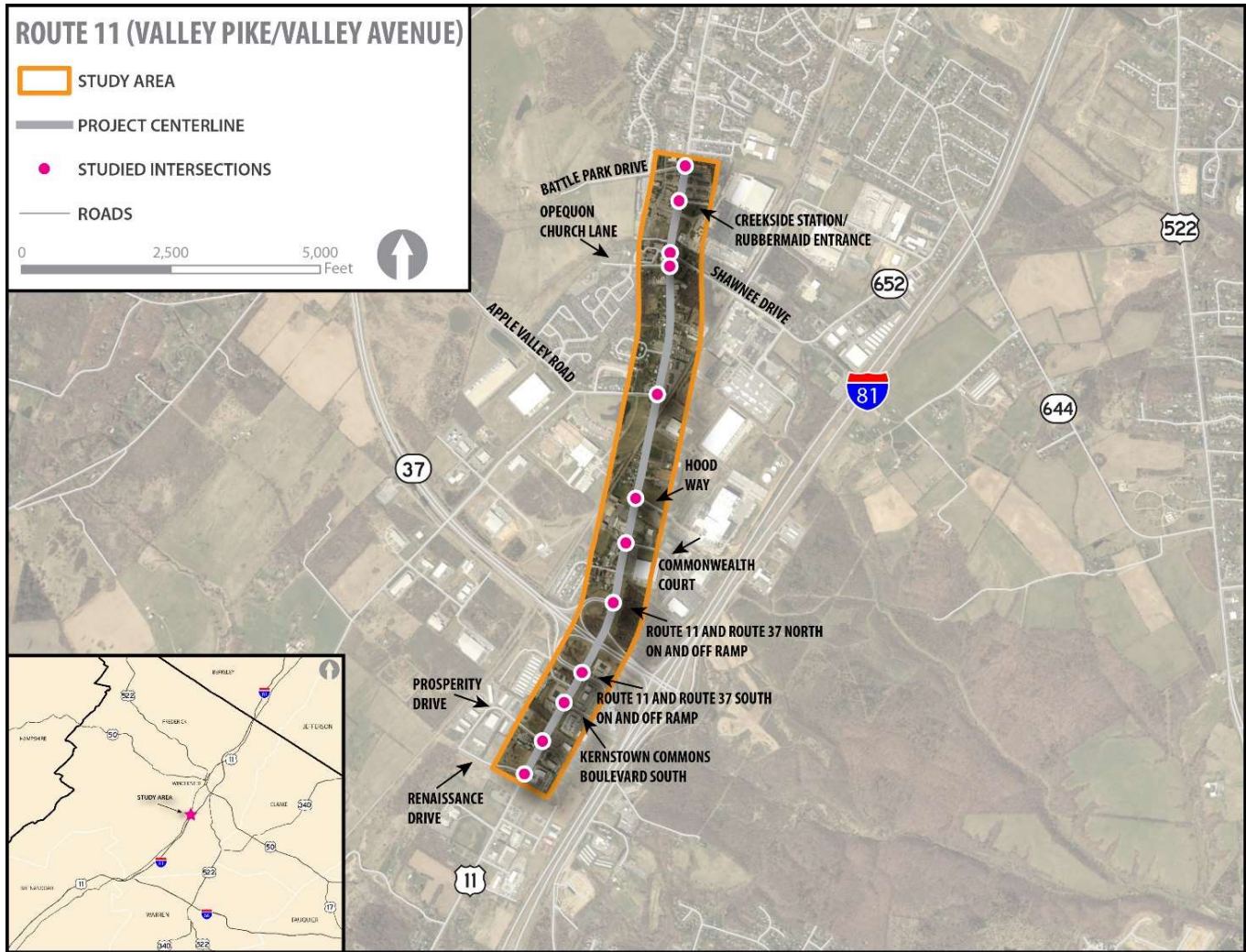
STRATEGICALLY TARGETED AND  
AFFORDABLE ROADWAY SOLUTIONS

## ROUTE 11 CORRIDOR STUDY

*Stakeholder Information Meeting – October 2, 2018*



# STUDY AREA



## STARS PROGRAM GOALS

- **Develop comprehensive, innovative transportation alternatives to relieve congestion bottlenecks and solve critical safety challenges**
- **Involve planners, traffic engineers, safety engineers, roadway designers, and local stakeholders**

## STARS Project Stakeholders



Develop Projects to Program in the  
VDOT Six-Year Improvement Program

## PROJECT STAKEHOLDERS

- **Virginia Department of Transportation**
- **Frederick County**
- **WinFred Metropolitan Planning Organization**
- **City Of Winchester**
- **Property Owners**

## EXISTING TRAFFIC CONDITIONS

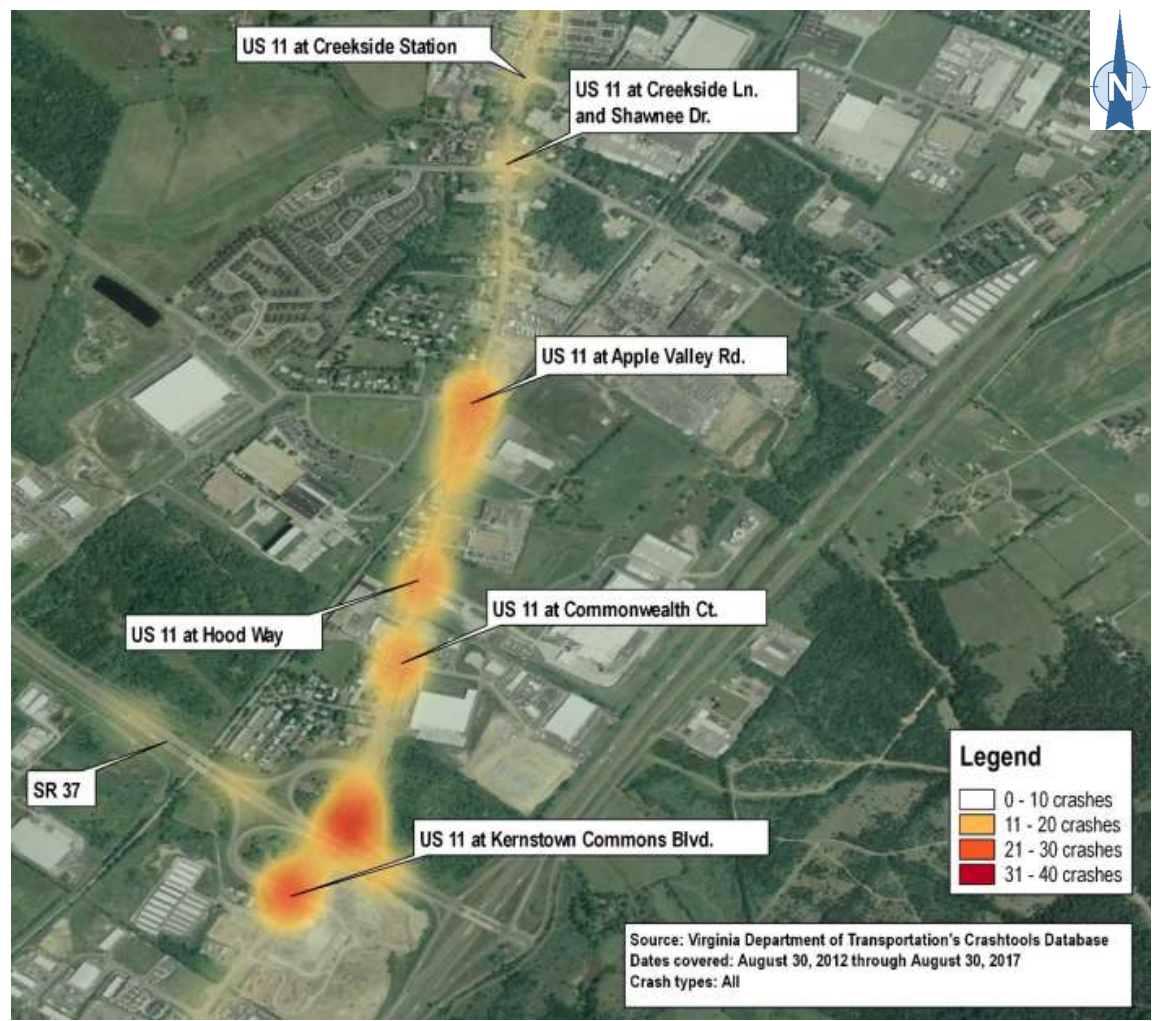
### ■ **AM and PM Peak Period Most Congested**

- Route 11 and Route 37 S (EB) On/Off Ramps – Significant Delay
- Route 11 and Shawnee Drive/Creekside Lane – Moderate Delay
- Route 11 and Apple Valley Road – Moderate Delay
- Route 11 and Hood Way – Moderate Delay
- Route 11 and Commonwealth Court – Moderate Delay

### ■ **Through Queues Blocking Left Turns Bays**

- Route 11 and Shawnee Drive/Creekside Lane
- Route 11 and Apple Valley Road
- Route 11 and Hood Way
- Route 11 and Commonwealth Court

# CRASH HEAT MAP



# ROAD SEGMENT CRASH RATES

Segment	Total CR (Per 100 MVM)		Statewide Average (2015)	Fatal CR (Per 100 MVM)		Statewide Average (2015)	Injury CR (Per 100 MVM)		Statewide Average (2015)	PDO CR (Per 100 MVM)		Statewide Average (2015)
Battle Park Dr. to Creekside Station	256.99	≥	151.62	0.00	≤	0.86	128.50	≥	51.77	128.50	≥	98.99
Creekside Station to Creekside Ln.	96.47	≤	151.62	0.00	≤	0.86	32.16	≤	51.77	64.31	≤	98.99
Creekside Ln. to Apple Valley Rd.	215.65	≥	151.62	0.00	≤	0.86	140.18	≥	51.77	75.48	≤	98.99
Apple Valley Rd. to Hood Way	399.96	≥	151.62	0.00	≤	0.86	141.92	≥	51.77	258.04	≥	98.99
Hood Way to Commonwealth Ct.	162.41	≥	151.62	0.00	≤	0.86	54.14	≥	51.77	108.27	≥	98.99
Commonwealth Ct. to WB US 37 ramp	151.50	≤	151.62	0.00	≤	0.86	94.69	≥	51.77	56.81	≤	98.99
WB US 37 ramp to EB US 37 ramp	585.36	≥	151.62	0.00	≤	0.86	117.07	≥	51.77	468.29	≥	98.99
EB US 37 ramp to Renaissance	100.94	≤	151.62	0.00	≤	0.86	28.84	≤	51.77	72.10	≤	98.99
<b>Exceeds the state average crash rate</b>												

## IMPROVEMENT OPTIONS

- **Innovative Intersection Concepts**
- **Intersection Geometry**
- **Signal Operations**
- **Pedestrian Improvements**
- **Transit Improvements**
- **Access Management**



## PREFERRED ALTERNATIVE A – OPERATIONAL IMPROVEMENTS

- **Optimize signal timings/splits/offsets**
- **Coordinate signals throughout the corridor**
- **Retrofit signal heads with yellow reflective backplates**
- **Install street name panels on signal mast arms**
- **Install pedestrian signage**
- **Upgrade pavement markings**
- **Cost associated with implementing Alternative A - \$1,375,023**
- **To be implemented by the County**

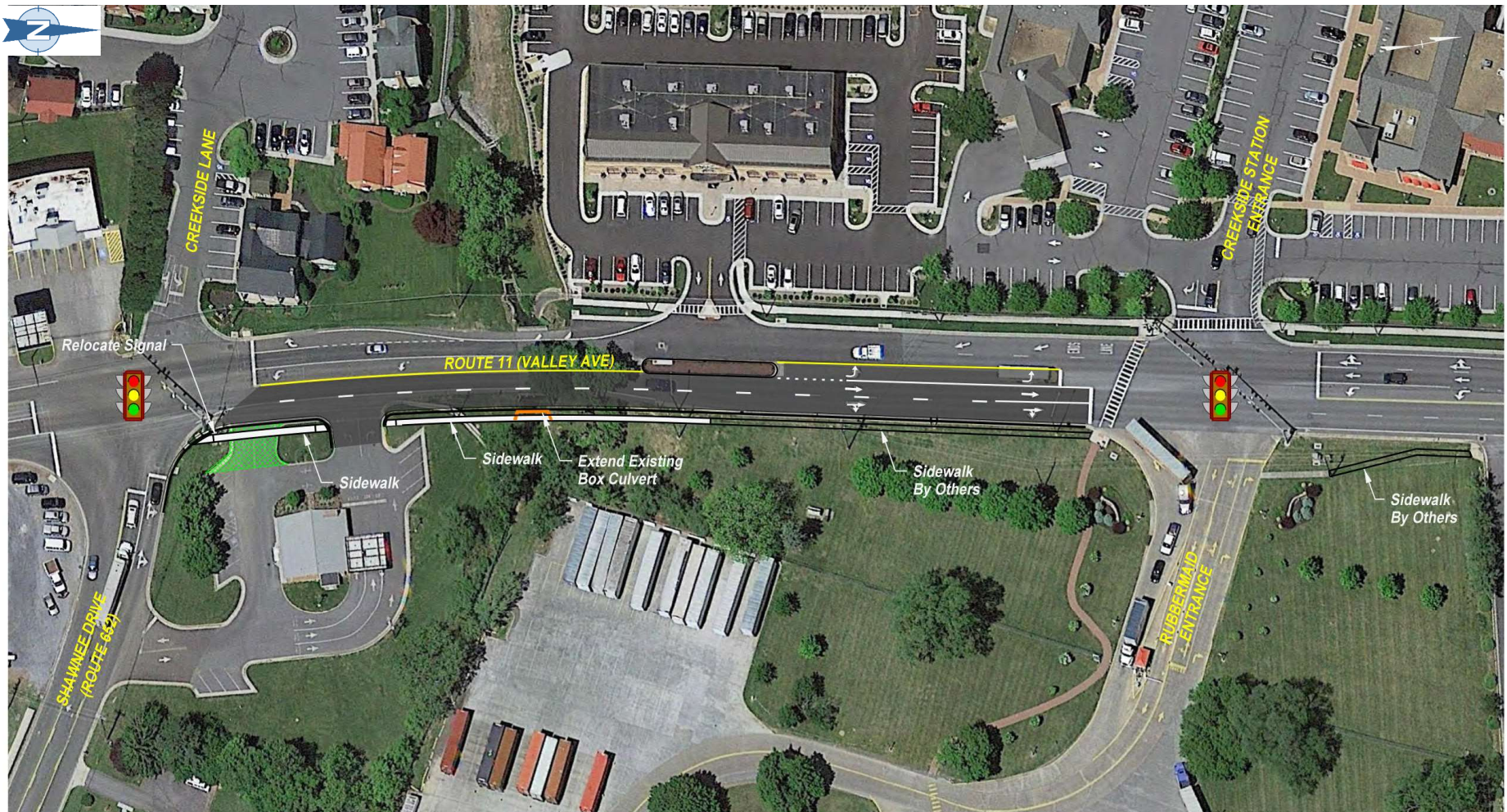
# ROUTE 11 BETWEEN SHAWNEE DRIVE AND RUBBERMAID ENTRANCE – EXISTING CONFIGURATION



## PREFERRED ALTERNATIVE B – PROPOSED IMPROVEMENTS

- **Optimize signal timings/splits/offsets (Alternative A)**
- **Provide additional lane in northbound direction on Route 11 between Shawnee Drive and Rubbermaid Entrance/Creekside Station**
- **Access Management Improvements**
- **Preliminary Engineering Cost - \$557,912**
- **ROW and Utility Relocation - \$570,356**
- **Construction - \$2,151,446**
- **Total Cost (Alternative B) - \$3,279,714**
- **Total Cost (Alternative B + Alternative A) - \$4,654,737**

# ROUTE 11 BETWEEN SHAWNEE DRIVE AND RUBBERMAID ENTRANCE – PREFERRED ALTERNATIVE B



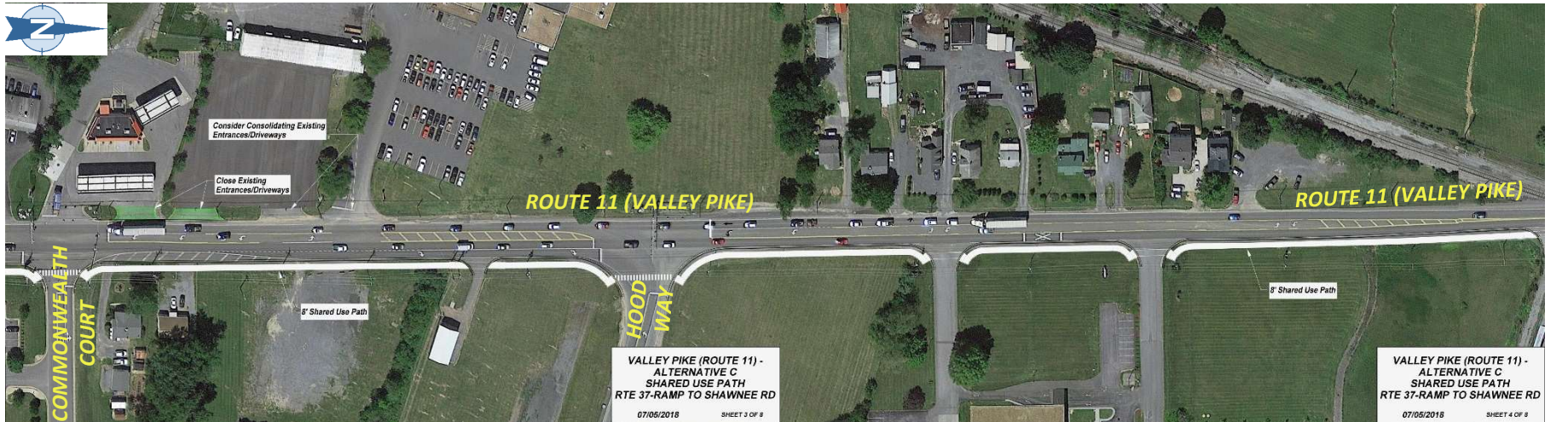
## PREFERRED ALTERNATIVE B BENEFITS – ROUTE 11 IN BETWEEN SHAWNEE DRIVE AND RUBBERMAID ENTRANCE

- **Delay Reduced by 18% vs. No Build**
- **20-Year Operations Savings - \$14,988,848**
- **Projected Crash Reduction of 9% vs. No Build**
- **20-Year Crash Reduction Savings - \$4,635,259**
- **Total savings – \$19,624,107**
- **Benefit/Cost Ratio of 4.22**
- **Additional northbound through lane improves queuing issues**
- **Current Smart Scale Application**

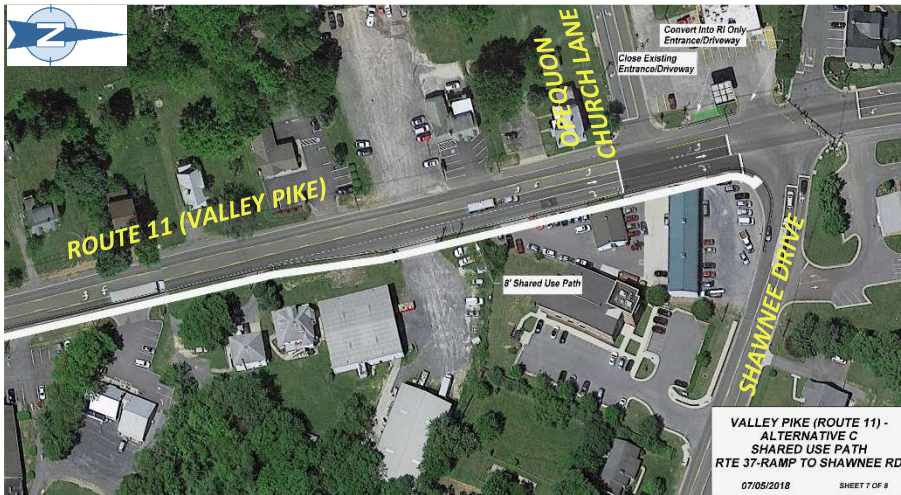
## PREFERRED ALTERNATIVE C – PROPOSED IMPROVEMENTS

- **Optimize signal timings/splits/offsets (Alternative A)**
- **Shared Use Path East of Route 11**
- **Upgrade pedestrian equipment to meet ADA standards**
- **Bus Stops to Bus Shelters Upgrades**
- **Access Management Improvements**
- **Preliminary Engineering Cost - \$775,267**
- **ROW and Utility Relocation - \$3,378,431**
- **Construction - \$3,852,487**
- **Total Cost (Alternative C) - \$8,006,185**
- **Total Cost (Alternative C + Alternative A) - \$9,381,208**

# ACCESS MANAGEMENT AND SHARED USE PATH - PREFERRED ALTERNATIVE C



# ACCESS MANAGEMENT AND SHARED USE PATH - PREFERRED ALTERNATIVE C

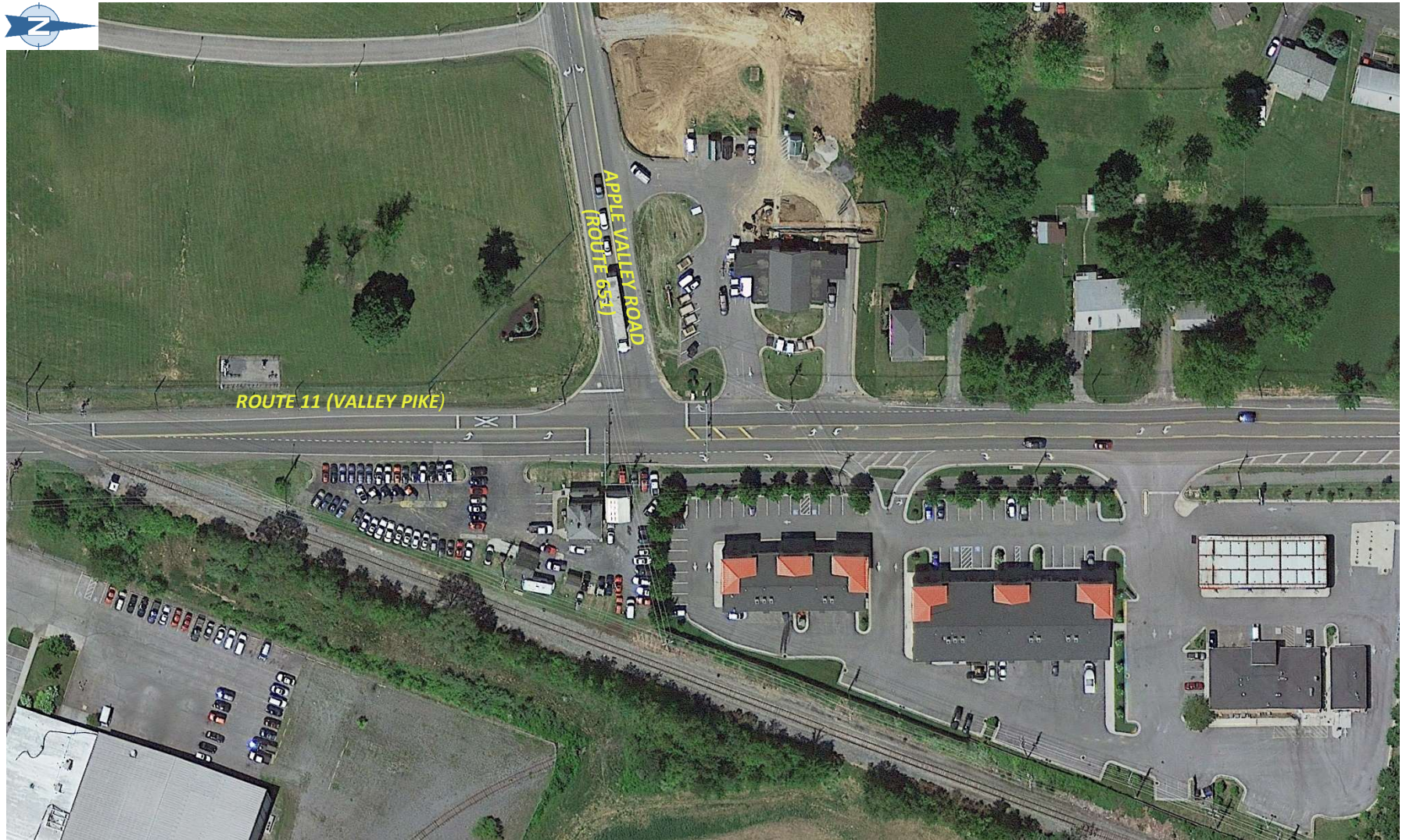




## PREFERRED ALTERNATIVE C BENEFITS – ROUTE 11 IN BETWEEN SHAWNEE DRIVE AND RUBBERMAID ENTRANCE

- **Delay Reduced by 17% vs. No Build**
- **20-Year Operations Savings - \$14,296,648**
- **Projected Crash Reduction of 14% vs. No Build**
- **20-Year Crash Reduction Savings - \$7,542,011**
- **Total Savings – \$21,838,659**
- **Benefit/Cost Ratio of 2.33**
- **Current Smart Scale Application**

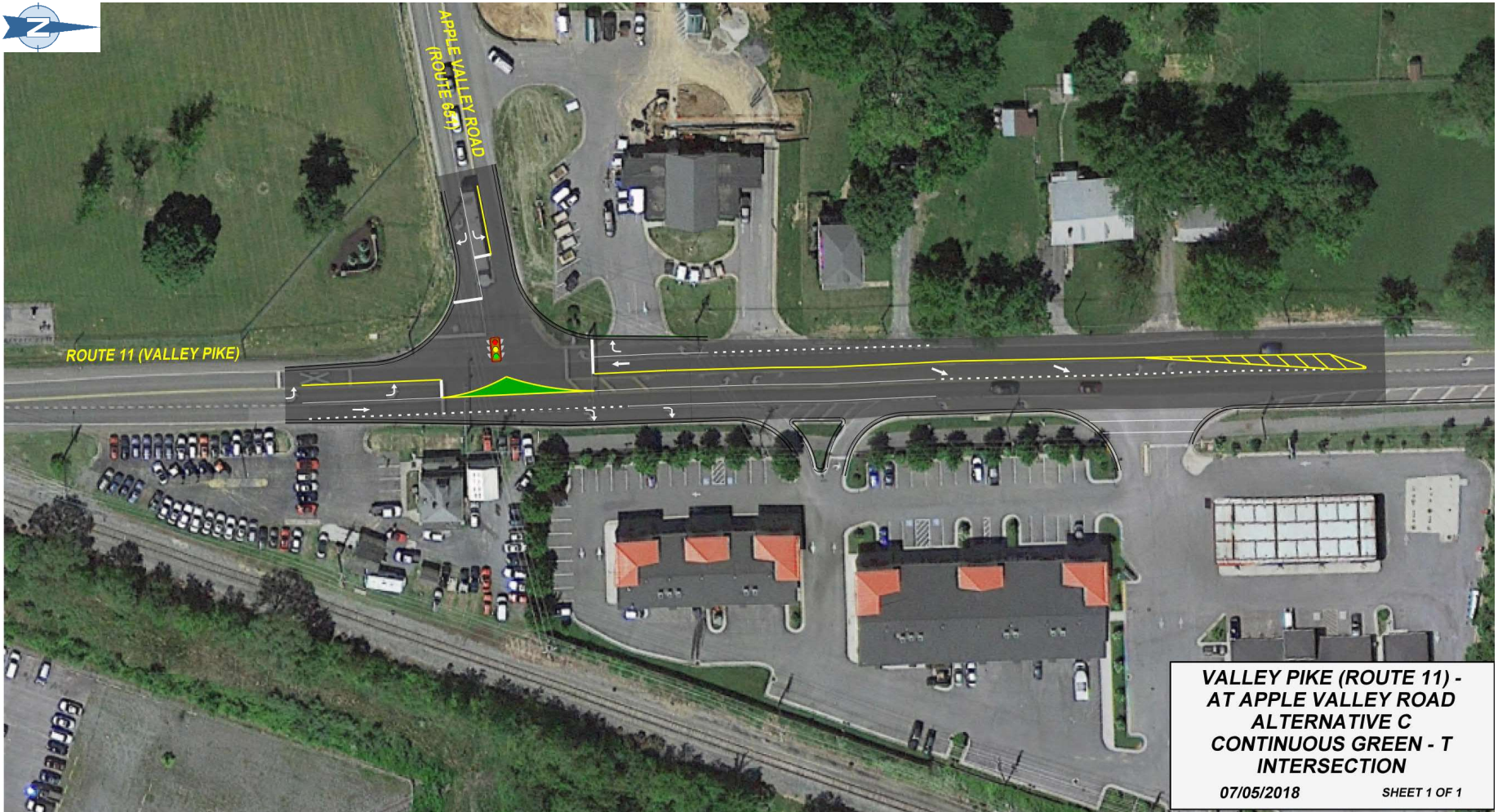
# ROUTE 11 AND APPLE VALLEY ROAD – EXISTING CONFIGURATION



## PREFERRED ALTERNATIVE D – PROPOSED IMPROVEMENTS

- **Optimize signal timings/splits/offsets (Alternative A)**
- **Install a Continuous Green-T (CGT) configuration at the intersection**
- **Access Management Improvements**
- **Preliminary Engineering Cost - \$899,607**
- **ROW and Utility Relocation - \$1,475,800**
- **Construction - \$4,325,257**
- **Total Cost (Alternative D) - \$6,700,664**
- **Total Cost (Alternative D + Alternative A) - \$8,075,687**

# ROUTE 11 AND APPLE VALLEY ROAD— PREFERRED ALTERNATIVE D



## PREFERRED ALTERNATIVE D BENEFITS – ROUTE 11 IN BETWEEN SHAWNEE DRIVE AND RUBBERMAID ENTRANCE

- **Delay Reduced by 14% vs. No Build**
- **20-Year Operations Savings - \$11,856,548**
- **Projected Crash Reduction of 9% vs. No Build**
- **20-Year Crash Reduction Savings - \$4,667,804**
- **Total Savings - \$16,524,352**
- **Benefit/Cost Ratio of 2.05**
- **Free Northbound Through Movement**
- **Improves Lane Geometry**

## PROJECT STATUS/NEXT STEPS

- ✓ Data Collection and Field Review
- ✓ Crash Analysis
- ✓ Existing Conditions Operational Analysis
- ✓ Future No-Build Conditions Operational Analysis
- ✓ Development of Improvement Alternatives
- ✓ Future Build Conditions Operational Analysis
- ✓ Selection of Preferred Intersection Alternatives
- ✓ Planning-Level Cost and Schedule Estimates
- **Stakeholder Information Meeting – TODAY**
- **Prioritization/Packaging of Improvements**
- **STARS Improvement Summary Sheets**
- **Final Report**

# STARS

STRATEGICALLY TARGETED AND  
AFFORDABLE ROADWAY SOLUTIONS

## ROUTE 11 CORRIDOR STUDY

*Thank you!*



# 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: November 6, 2018 @ 10 a.m.

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

Member Jurisdiction Representatives					
	Frederick County		VDRPT		Staff
	Patrick Barker		Ciara Williams	✓	Brandon Davis
✓	John Bishop		Todd Horsley	✓	John Madera
✓	Mike Ruddy		<b>Winchester Airport</b>	✓	Karen Taylor
	Jay Tibbs	✓	Nick Sabo	✓	Becky Sandretzky
	<b>Stephens City</b>		<b>Winchester Transit</b>		<b>Others</b>
	Mike Majher		Renee Wells	✓	Matt Smith, VDOT
	<b>VDOT</b>		<b>Winchester</b>	✓	Jason Espie, EPR-PC
✓	Terry Short	✓	Perry Eisenach	✓	Bill Wench, EPR-PC
			Justin Hall	✓	Katie Schwing, OIPI
	<b>Non-Voting</b>	✓	Tim Youmans		
	Mack Frost, FHWA	✓	Shawn Hershberger		
	Tony Cho, FTA				
	Rusty Harrington, VA Dept. of				



**Winchester Frederick County (WinFred) MPO  
TECHNICAL ADVISORY COMMITTEE (TAC) Meeting  
November 6, 2018 - 10:00 a.m.  
Frederick County Administrative Offices - First Floor Conference Room  
107 N. Kent Street, Winchester, VA**

**1. Administrative Items:**

- a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
- b) Review and approval of the October 2, 2018 Technical Advisory Committee Meeting Minutes – Motion to approve minutes made by Mr. Eisenach; seconded by Mr. Ruddy. Motion Carried.

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

**3. Scoping the next VTrans and updated needs assessment**

Ms. Taylor introduced Katie Schwing, Office of Intermodal Planning and Investment to present the following presentation. (*attached*)

**OIPI would like to share information on the approach to the upcoming VTrans Plan update, along with anticipated engagement with the MPOs.**

Mr. Short questioned since VTrans is imperative that the need articulated in VTrans and it doesn't compile local transportation plans how can local Governments then insure that their project needs make their way to at least being acknowledged in the state-wide plans that is as big as VTrans. Mr. Bishop stated that VTrans acts as a gate keeper for Smart Scale projects, if you can't tie yourself to that identified need you get screened out, that is really important for us.

Mr. Eisenach stated that The City of Winchester is not considered an urban development area, which is strange because we feel the whole city of Winchester should be a UDA considering it is surrounded by Frederick County's UDA. He asked how do we get that changed so that we are a UDA? His second question was, on the regional network what's the best way to go about getting some roads added that are important but are not really considered on the regional network? Ms. Schwing informed us that is it a local process to designate a UDA and you would have to work with the city council and make an amendment to your comprehensive plan. There is specific code language that has to be referenced and you also have to designate the boundaries of your UDA. Also, there's an expectation that the planning for the UDA area includes elements of traditional neighborhood design. With the regional network in the past, it has been designated based on county lines, but the actual roads themselves weren't really designated as the regional network, she said to be thinking about this and it can be discussed more when we meet next time. Mr. Short stated that 85% of economic growth in Virginia comes from expansion of existing businesses. Economic potential is more important than present day snapshots.

Mr. Bishop asked if through participation, if everything is being routed through the MPOs and PDCs or is there still expectation to be able to involve locality staff? Ms. Schwing stated the main focus is to go through the MPOs because that way they know that there is at least some conversation beyond just the single locality since they are trying to scale up to the state level but localities will still be involved in some way.

Mr. Davis brought up that the CTB really valued the Lynchburg regional connectivity study and that there may be a light version of that being done, he suggested to Ms. Schwing that the Regional Commission or the MPO could partner or take the lead on that effort to increase our input into creating something like that, that you all could use as a tool. He asked her if there would be value in that or is it something that you all want to handle and standardize across the state? He added that he could think of a couple of resources that we could approach to discuss partnering or taking the lead to match some of that effort that you all have and keep it more localized and present it to you rather than you take the lead and have us beg for participation. Ms. Schwing said this is something that could definitely be discussed, as it is a great idea. She added that it does need to be somewhat standardized because there needs to be an equal playing field for everyone.

**Action: None requested.**

**4. Presentation Winchester North-South Bike Route Study – Jason Espie, EPR-PC**

Mr. Madera introduced Jason Espie, project manager for the bike study and Bill Wench, president of EPR Incorporated – sub consultant to Racey Engineering. (*presentation attached*)

Mr. Youmans stated that he thought the Green Circle Trail was going to run along the South side of Jubal Early Drive. He thought that for people heading North on Valley Avenue in the bike lane we were just going to have them stay in the south quadrant and not try to transition over to make a left turn onto Jubal Early Drive West Bound but instead go with the other Green Circle Trail traffic that is basically aligning with the cross walk on the left side at the intersection. Mr. Espie said this will be clarified in the final draft.

**Action: None requested.**

**5. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices):**

- Project Steering Meeting: TBA
- Policy Board: December 19, 2018
- Technical Advisory Committee: December 4, 2018

**6. VDOT/DRPT/Staff Updates – No Updates.**

**7. Other Business – None reported.**

**Meeting adjourned at 11:20 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.

**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 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 1<sup>st</sup> 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).

*VTrans:*  
Virginia's Statewide Multimodal Transportation Plan

Kick-off VTrans Update

Win-Fred MPO TAC Meeting  
November 6, 2018

Katie Schwing, AICP  
Senior Transportation Planner  
Office of Intermodal Planning and Investment (OIPI)





## OUTLINE

- What is VTrans?
- Review of VTrans2040
- Kick-off of VTrans Update
  - Major components
  - Key modifications from VTrans2040
  - Expected outcomes
  - Tentative timeline
- Stakeholder Involvement





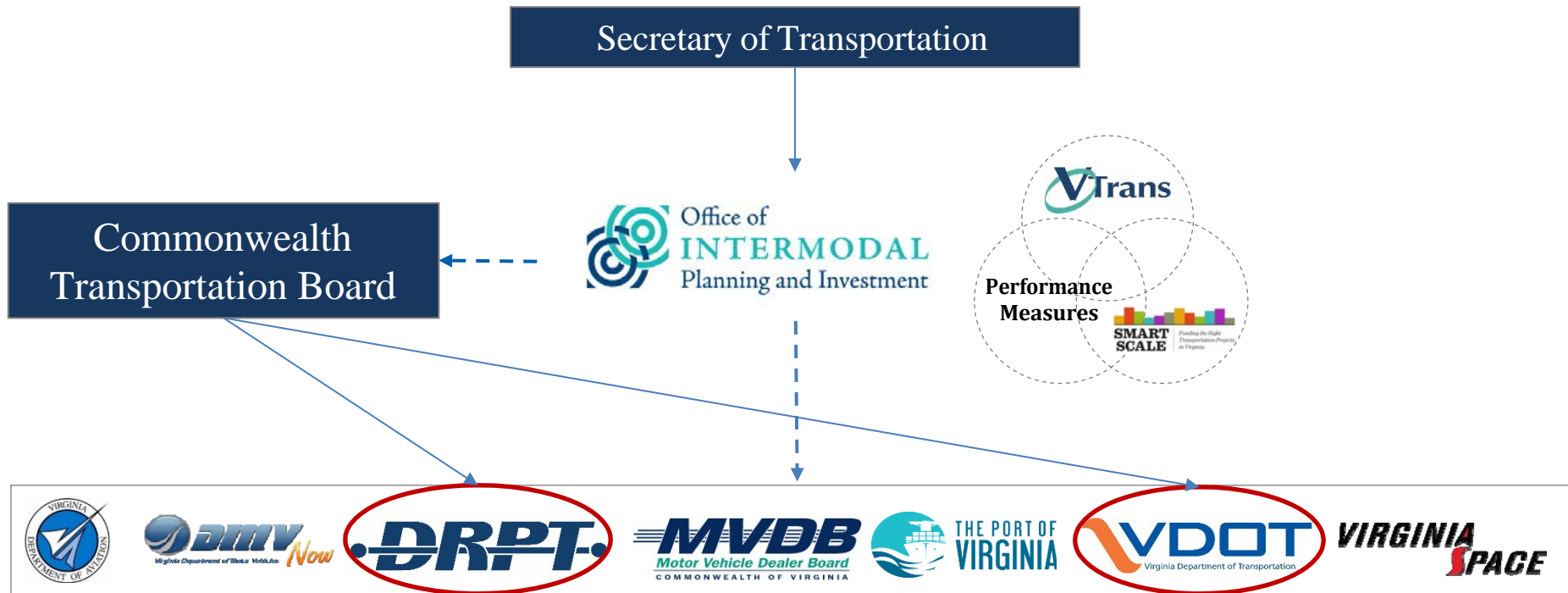
## WHAT IS VTRANS?

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- *VTrans* is Virginia's Multimodal Transportation Plan.
  - Provides a backdrop for consistent and coordinated performance-based transportation planning between federal, state, regional, and local agencies.
  - Performance-based, multimodal, long-range plan that is coordinated with MPO's and other stakeholders.
  - Includes a Needs Assessment
  - Updated at least every four years
  - *VTrans* has a statewide perspective and is not a compilation of local or regional plans



# OIPi's ROLE in VTRANS



OIPi assists the Commonwealth Transportation Board in the Development of VTrans.



## REVIEW OF VTRANS2040

- Vision, Goals, Objectives and Guiding Principles were approved by CTB in December 2015
  - Needs approved by CTB in December, 2015
  - Recommendations approved by CTB in January, 2018
- Implementation Plan went to CTB for review in November, 2018







## REVIEW OF VTRANS2040

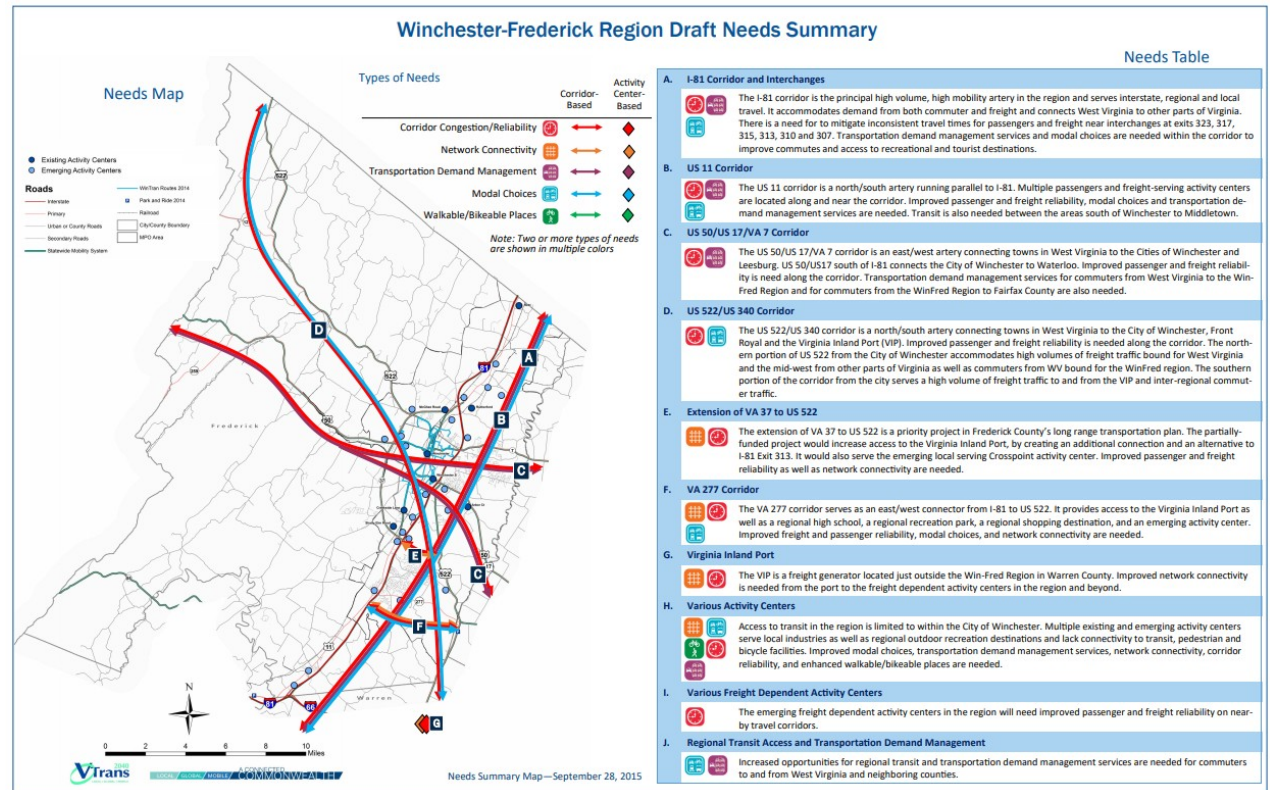
- Needs Assessment
  - Used a ten-year horizon
  - Identified needs by Travel Market:
    - Corridors of Statewide Significance
    - Regional Networks
    - Urban Development Areas (UDA's)
    - Safety (PSI's)
- Recommendations
  - Needs from the above categories were consolidated into one set of needs
  - Projects and studies were identified that could address those needs, and they were tiered (prioritized) based on analysis and local input





# REVIEW OF VTRANS2040

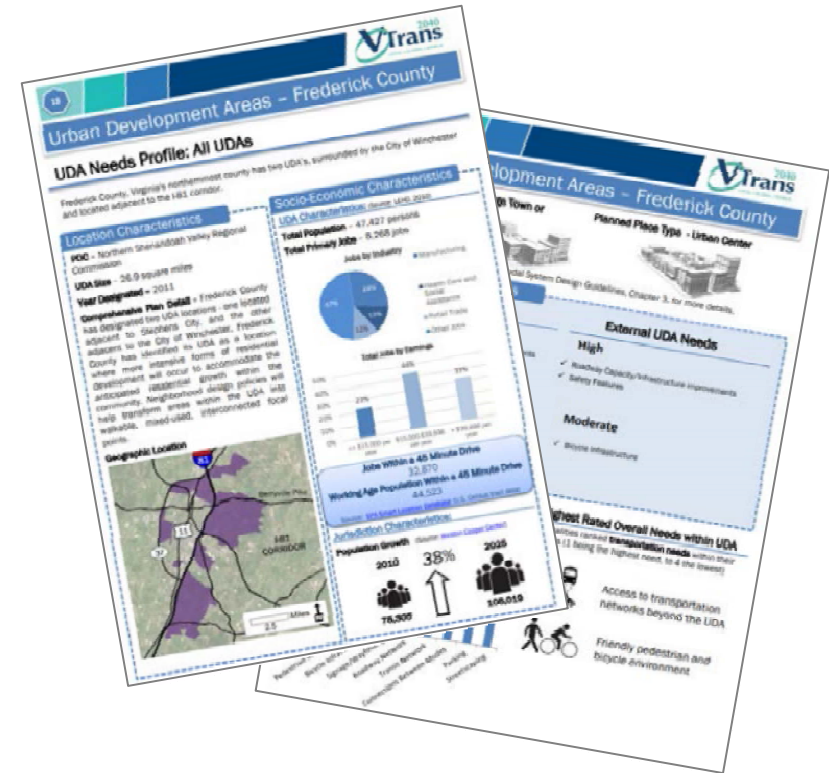
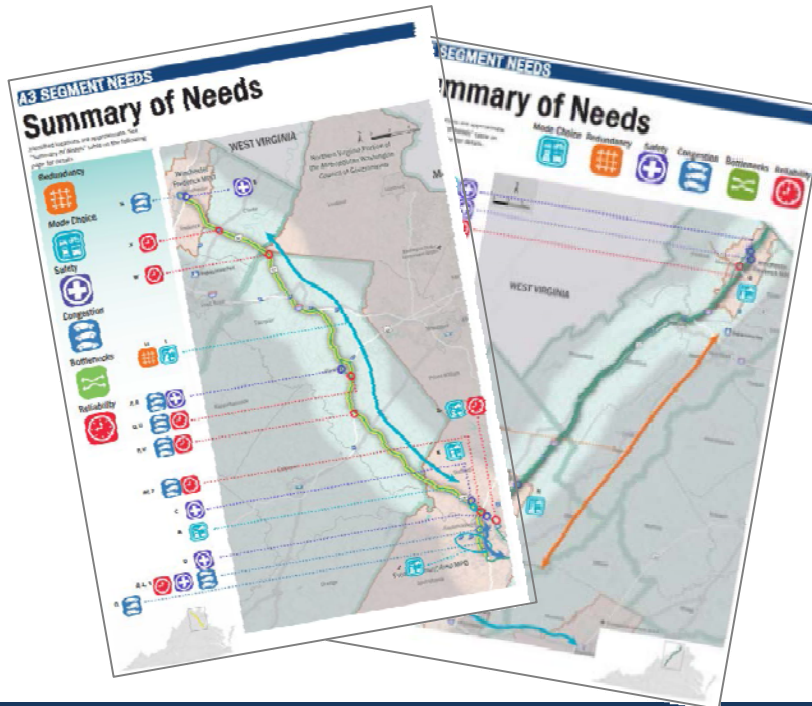
- Regional Network Needs





# REVIEW OF VTRANS2040

- CoSS and UDA Needs





## REVIEW OF VTRANS2040

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- Current Uses
  - Vision, Goals & Objectives, and Guiding Principles
    - Overall reference for transportation planning at the state, regional, and local level
  - Needs Assessment
    - SMART SCALE (Applications for SMART SCALE must show that they address one of more VTrans Needs in order to be screened in (move on to scoring))



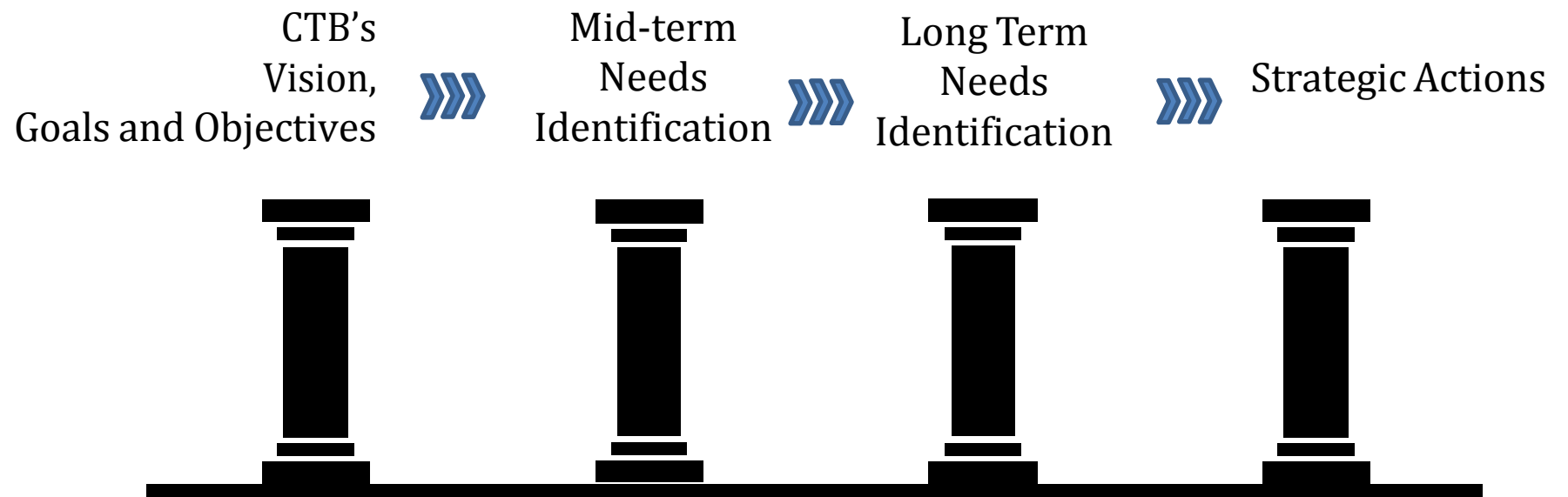
## VTRANS UPDATE KICK-OFF

---

- Major components
- Key modifications from VTrans2040
- Expected outcomes
- Tentative timeline
- Stakeholder Involvement



## MAJOR COMPONENTS





## MAJOR COMPONENTS (Vision, Goals, and Objectives)

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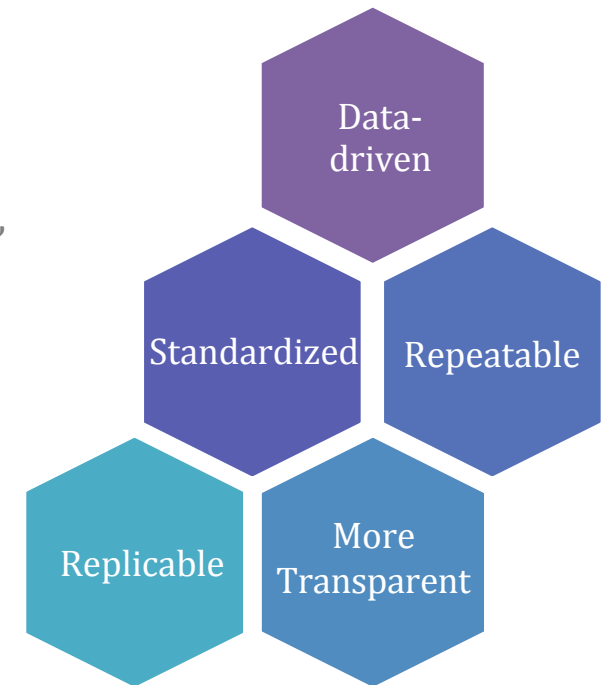
- CTB to review and reaffirm their overall direction for transportation planning & policy
- Vision to be informed by:
  - A public survey
  - Vulnerability assessment
  - Demographic and land use trends, opportunities, and challenges
  - Technology trends, opportunities, and challenges
  - Financial trends, opportunities, and challenges



## MAJOR COMPONENTS (Mid-term Needs)

- Planning horizon: 0- 10 years
- **CTB to adopt a policy for needs identification**
  - Define “transportation need”
  - Review of VTrans need categories (e.g. CoSS, RN, UDA, Safety)
  - Utilize adopted Performance Targets, new measures or Key Performance Indicators (KPIs)
- **Adoption of the mid-term needs by December 2019**
  - Inform SMART SCALE Round 4

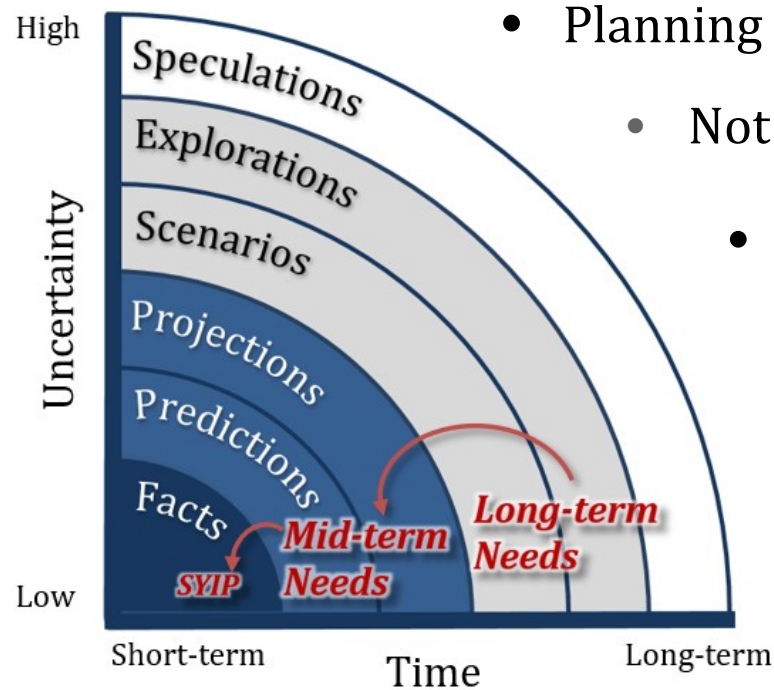
Ensure that methods are:







## MAJOR COMPONENTS (Long-term Needs)



- Planning horizon: 10+ years
  - Not an attempt to predict, but to be prepared
  - Develop three scenarios, associated needs and revenue impacts
  - Establish connection between mid-term and long-term needs
  - **Finalize by 2020**



## MAJOR COMPONENTS (Strategic Actions)



- Develop strategic actions for Board's consideration:
  - Policy options and recommendations
  - Priorities for project planning activities



## KEY MODIFICATIONS



- VTrans Update aims to:
  - Identify challenges and opportunities associated with trends
  - Provide a more complete picture for transportation investments
    - Convey trade-offs and opportunity cost associated with policy options
    - Relative return on investments



## KEY MODIFICATIONS

- VTrans Update aims to provide compelling, easy-to-communicate snapshot of existing and envisioned transportation in Virginia.
  - Convey economic benefits associated with transportation investments
  - Identify changes in economic output and productivity
  - Identify regional connectivity needs





## THEMES (Key Modifications)



Image Source: USDOT

- Resilient Transportation Infrastructure
- Smart Transportation Infrastructure
- Smarter Investments
  
- Increase awareness among public and local agencies



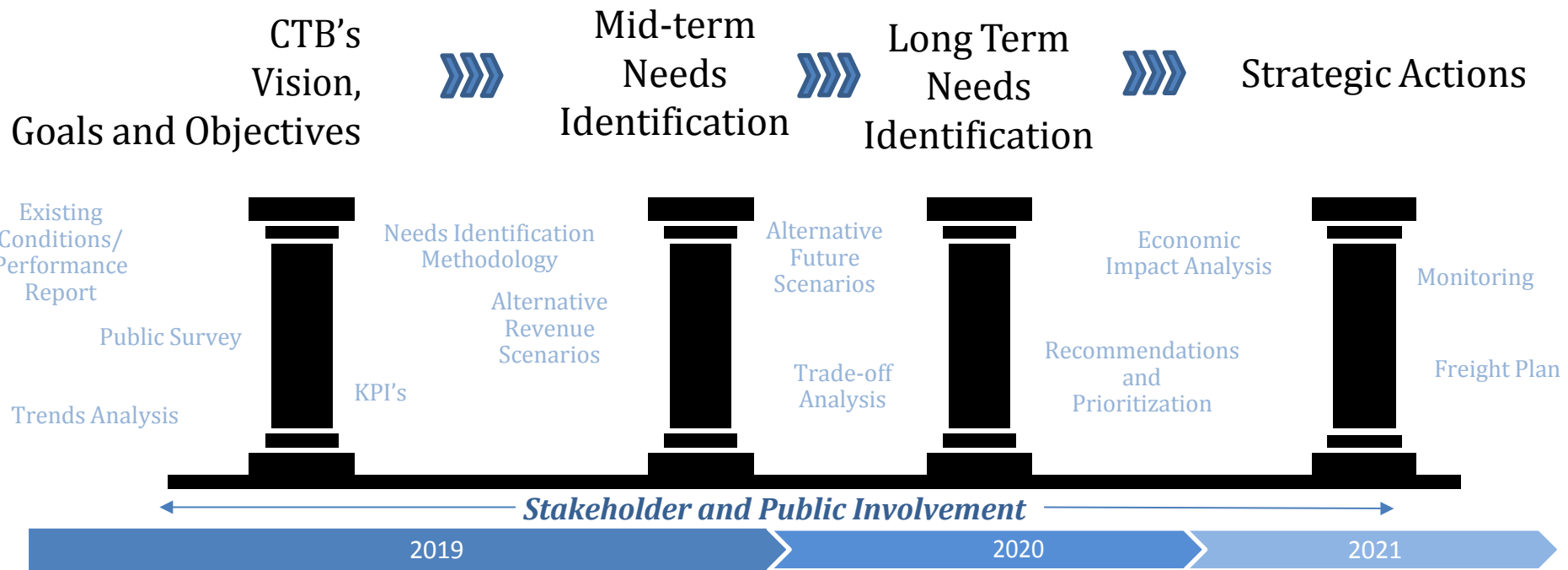
## EXPECTED OUTCOMES

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- Provide policy options for investment decisions to prepare for the future, such as:
  - Which transportation investments support desired growth and economic development
  - Opportunity costs associated with delaying or not pursuing certain investments
  - Possible technological changes and associated revenue impacts to prepare for
  - Planning considerations for making transportation infrastructure less vulnerable to extreme natural events



# KEY MILESTONES





## STAKEHOLDER INVOLVEMENT

---

- With MPO's
  - Presentations at MPOs and PDCs throughout the Commonwealth
    - Fall/Winter 2018:
      - Kick-off/Approach
    - Spring 2019:
      - Review Existing Conditions & Trends (to inform Vision)
      - Review Economic Profiles
      - Discuss Needs Identification Methodology
    - Fall 2019:
      - Review Draft Mid-Term Needs
  - Informal updates and notifications
  - MPO-initiated discussions





## STAKEHOLDER INVOLVEMENT

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- With the Public
  - Spring 2019:
    - Statewide Survey to gauge opinions, attitude, and preferences towards transportation issues
  - Public meetings in all nine CTB districts
  - Continued involvement through Spring and Fall Transportation Meetings
  - Active online and social media presence

# 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

## Draft Technical Advisory Committee Minutes: December 4, 2018 @ 10 a.m.

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

Member Jurisdiction Representatives					
	<b>Frederick County</b>		<b>VDRPT</b>		<b>Staff</b>
	Patrick Barker		Ciara Williams	✓	Brandon Davis
	John Bishop		Todd Horsley	✓	John Madera
✓	Mike Ruddy		<b>Winchester Airport</b>	✓	Karen Taylor
✓	Jay Tibbs	✓	Nick Sabo	✓	Becky Sandretzky
	<b>Stephens City</b>		<b>Winchester Transit</b>		<b>Others</b>
	Mike Majher		Renee Wells	✓	Josh Janney, Winchester Star
	<b>VDOT</b>		<b>Winchester</b>		
✓	Terry Short		Perry Eisenach		
			Justin Hall		
	<b>Non-Voting</b>	✓	Tim Youmans		
	Mack Frost, FHWA		Shawn Hershberger		
	Tony Cho, FTA				
	Rusty Harrington, VA Dept. of Aviation				

**Winchester Frederick County (WinFred) MPO  
TECHNICAL ADVISORY COMMITTEE (TAC) Meeting  
December 4, 2018 - 10:00 a.m.  
Frederick County Administrative Offices - First Floor Conference Room  
107 N. Kent Street, Winchester, VA**

**1. Administrative Items:**

- a) Welcome and Introductions – Chairman Youmans welcomed everyone to the meeting.
- b) Review and approval of the November 6, 2018 Technical Advisory Committee Meeting Minutes – Motion to approve minutes made by Mr. Ruddy; seconded by Mr. Short. Motion carried.

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

**3. TIP amendment for UPC 86316 – Terry Short, VDOT**

**Action:** Recommend an amendment to change the project from NonMPO to MPO and add the CN: Bridge/Rehab grouping.

Mr. Ruddy made a motion to recommend to the Policy Board an amendment to change the project from NonMPO to MPO and add the CN: Bridge/Rehab grouping for the TIP amendment for UPC 86316; seconded by Mr. Short. Motion Carried.

**4. 2019 Safety Performance Targets – John Madera, WinFred MPO**

The FHWA Safety Performance rulemaking requires MPOs to agree to contribute to meeting State DOT safety targets or to establish safety targets for each of five safety measures. By supporting any of the VDOT targets the MPO agrees to plan and program projects to contribute toward achieving the State target, and must not only consider safety, but increase the safety of the transportation system. Targets are updated annually.

**Action:** Recommend MPO agreement to contribute to meeting VDOT's 2019 Safety Targets.

Mr. Madera presented a PowerPoint presentation (*attached*)

Mr. Ruddy asked about the discussion that recently occurred regarding adoption of the state safety performance targets and asked how the two relate. Mr. Madera stated that approximately a year ago we went through the same exercise; the state safety targets are updated annually based on the trends. Mr. Davis explained that the topic discussed a few months ago focused on targets for asset condition and system performance. He said the process for adoption of those targets is similar that of the safety targets.

Mr. Tibbs asked Mr. Short when he cited the fatalities in Frederick County at 22, if it was a straight count or a rate based on vehicle miles traveled; and given that our target is 7 fatalities for the whole MPO, are we being asked to cut our fatalities by two-thirds, and if that is realistic. Mr. Short explained that the number he cited was an annual count for Frederick County as a whole, and that the proposed target was for the MPO, which covers only part of the county.

Mr. Ruddy made a recommendation to forward the 2019 Safety Performance Targets on to the Policy Board; seconded by Mr. Tibbs. Motion carried.

## **5. North Winchester Area Study Phase 2 – Terry Short, VDOT**

The project consultant Kimley-Horn has submitted a scope and fee proposal for Phase 2.

Mr. Short gave a brief update on the North Winchester Area Study Phase 2. Phase 1, a carryover from the 2017 UPWP, covered a section of Route 11/Martinsburg Pike from the I-81 northbound off ramp to the vicinity of Old Charles Town Road to identify improvements that Frederick County subsequently made Smart Scale applications for, including the Red Bud Road realignment, an extension of the northbound acceleration lane at exit 317, and a roundabout at the Old Charles Town Road intersection.

The Phase 2 Study will examine Routes 11 and 37 from the I-81 interchange to Lenoir Drive, to identify improvements ready for round 4 applications for Smart Scale. Mr. Short has been working with Mr. Madera and Kimley-Horn to develop a revised scope and fee of around \$90,000. With a task order already in place, the Policy Board will be informed of TAC's consensus to advance this study.

## **6. Upcoming Meeting Schedule (MPO Meetings are held at the Frederick County Administrative Offices):**

- Project Steering Meeting: TBA
- Policy Board: December 19, 2018
- Technical Advisory Committee: January Meeting Cancelled

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

Mr. Short gave an update on VDOT related items:

The Route 7 STARS Study framework document has been circulated to the Technical Advisory Committee and the Project Steering Committee. A requirement from STARS is that all stakeholders sign off on the framework scoping document, in order to initiate the notice to proceed for WSP to do the work. The counts have been done and an NTP has been issued.

As of December 4<sup>th</sup>, all Smart Scale Applications have been retained for the whole district.

The CTB meeting for this month will be an update on Interstate 81. Included is the funding recommendation for exits 313 through 317.

Mr. Sabo with the Winchester Regional Airport announced the Wings and Wheels event that will be held on June 1<sup>st</sup>.

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

**Meeting adjourned at 11:00 a.m.**

### **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.

**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 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 1<sup>st</sup> 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).