



VTrans Update: Needs Assessment and Recommendations

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Deputy Secretary of Transportation
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The Commonwealth Transportation Board is directed, with assistance from the Office of Intermodal Planning and Investment (OIPI), to conduct a comprehensive review of statewide transportation needs in a Statewide Transportation Plan – VTrans.



Vision – Virginia's multimodal transportation plan will be *Good for Business*, *Good for Communities*, and *Good to Go*. Virginians will benefit from a sustainable, reliable, transportation system that advances Virginia businesses, attracts a 21st century workforce, and promotes healthy communities where Virginians of all ages and abilities can thrive.

Overview





VTrans2040 has several key components

- 2040 Vision
- 2025 Multimodal Transportation Plan
 - Needs Assessment
 - Recommendations
- 2040 Scenario Analysis
- Performance-based planning with target setting

Overview





- Conduct a comprehensive review of statewide multimodal transportation and capacity needs for—
 - Corridors of statewide significance
 - Regional networks
 - Urban development areas
 - Safety
- Plan shall promote economic development, intermodal connectivity, environmental quality, accessibility for people and freight, and transportation safety

VTrans2040 Vision



- Serves as the policy document that will guide the needs assessment and 2025 priority recommendations
- Key provisions include—
 - Trends analysis
 - Vision and goals
 - Guiding principles
- Adopted by the Commonwealth Transportation Board in December 2015

Needs Assessment: Corridors of Statewide Significance



- Key intercity travel market
- Analyzed by logical segments
- Guiding principles for assessment
 - Safety and operations
 - Improving reliability
 - Redundancy and mode choice
 - Reducing serve congestion and bottlenecks
- Statewide focus and data driven analysis

Needs Assessment: Regional Networks



- Key intra-regional travel market
- Analyzed in each metro area
- Guiding principles for assessment
 - Economic competitiveness and accessibility/connectivity
 - Opportunity to link Region's economic vision to future transportation needs
 - Extensive outreach to determine desired economic future of each region
- Mix of statewide and local focus, and driven by data and local input

Needs Assessment: Urban Development Areas



- Key local activity center travel
- Analyzed for each designated development area
- Guiding principles for assessment
 - Context sensitive multimodal transportation solutions
 - Last-mile access to jobs and non-work attractions
 - Safe bike and pedestrian circulation
 - Improve connections to local multimodal networks and regional transportation options
- Local focus and driven by local input

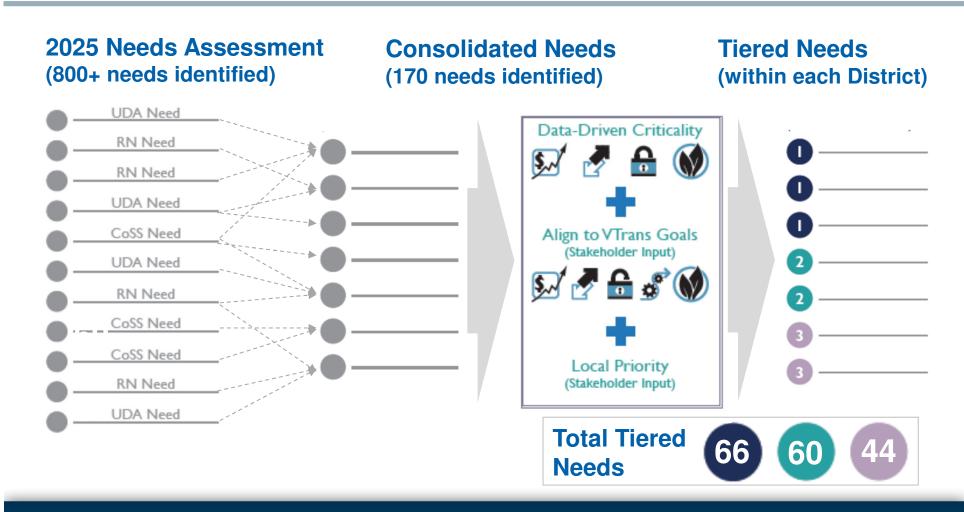
Needs Assessment



- Adopted by the Board in December 2015
- Board directed Office of Intermodal Planning and Investment to—
 - Prioritize the needs
 - Develop recommendations to address 2025 prioritized needs
 - Set deadline of end of 2016

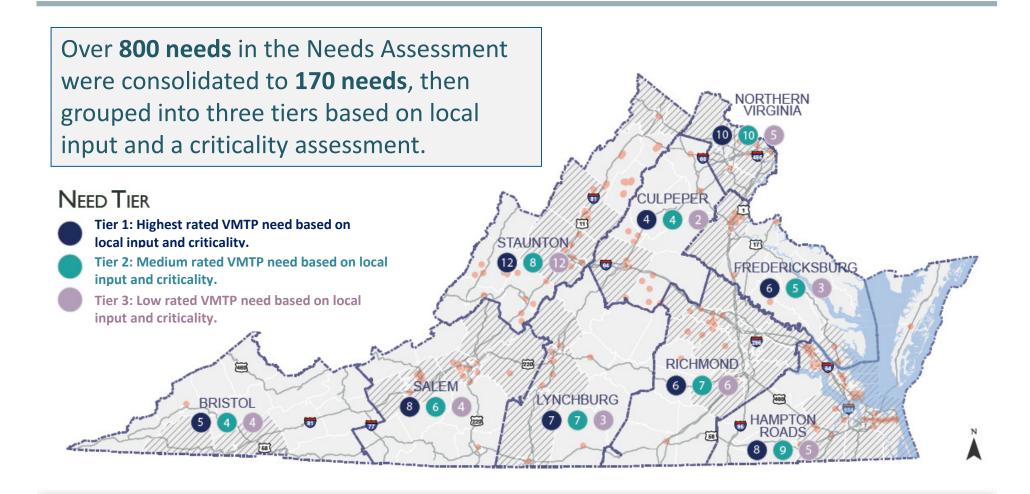
Consolidation and Prioritization of Needs





Needs Assessment





Why Recommendations?



New concept for VTrans

- Focus on critical needs over next 10 years with solutions based on VTrans guiding principles
- Supports new Federal planning regulations which place more attention on performance based planning and programming

Project-level recommendations

- Represents state perspective on a future pipeline of projects for consideration under SMART SCALE and other programs
- Strengthens the connection between planning, project development, and programming
- Reflects common sense engineering per guiding principles

Recommendations Development Process



Gap Assessment

Do the Funded & Pipeline Projects Fully Address the Need?

Recommendation Tracking

Fully Funded: 2017-2022 Six Year Improvement Program (SYIP) and other programs

Unfunded Pipeline: Project sources include – SYIP partially funded, MPO LRTPs & PDC plans, Smart Scale unfunded, Transit Development Plans, Regional TDM plans, and other regional and local studies and plans

Gap Recommendations "New Ideas"

Study/Plan Program/Policy Strategies Projects VDOT & DRPT Review and Regular Coordination

Stakeholder Review

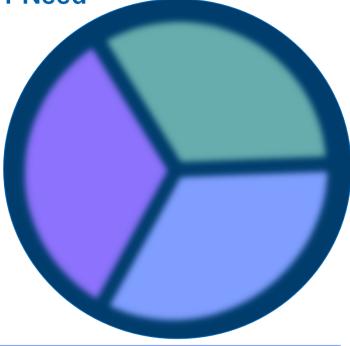
Types of Recommendations



Example 2025 Tier 1 Need

Funded Projects

Funded (SYIP, TIP, agency programs) projects that address the Need



Pipeline Projects

Unfunded or partly funded projects from local and regional plans or studies that address the Need

New Ideas

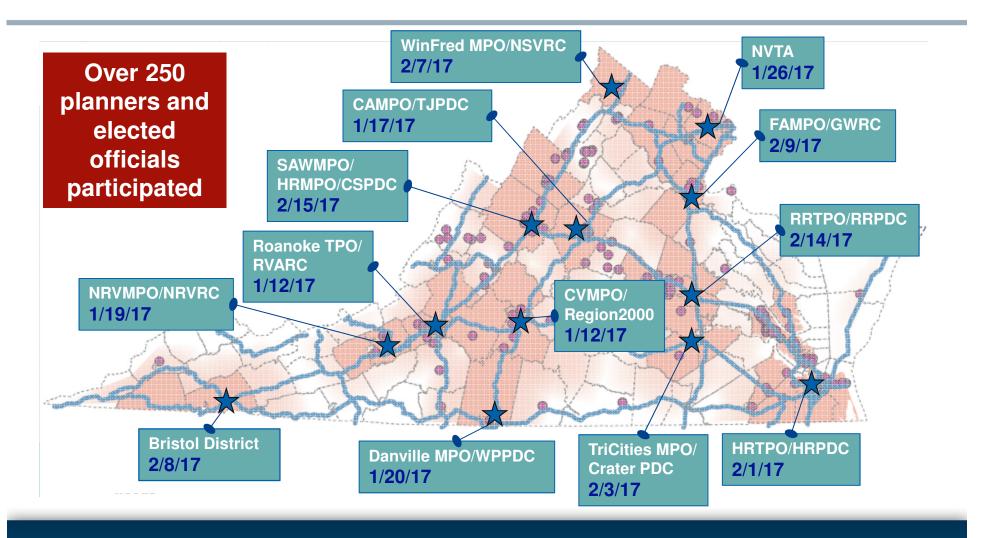
Recommendations for projects, studies, or programs to meet a potential gap in addressing the Need

Focus on VTrans2040 Guiding Principles – especially:

- Optimize Return on Investment
- Consider Operational Strategies and Demand Management First

Regional Meetings on Draft Recommendations





Regional Meetings on Draft Recommendations



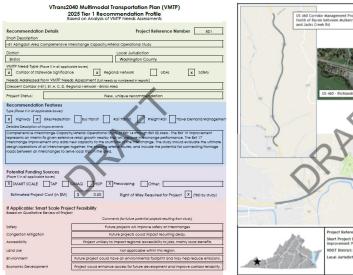
DRAFT Recommendations Summary

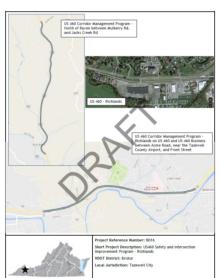
Summary of the DRAFT VMTP 2025 Recommendations for Tier 1 Needs



DRAFT Recommendations Profiles

Details for 299 specific pipeline and new idea recommendations





Recommendations Next Steps



- Review all comments received during regional meetings and online public comment
- One-on-one meetings with CTB members to discuss stakeholder comments
- Update plan, post to the web for final stakeholder and public review
- Board consideration of revised recommendations

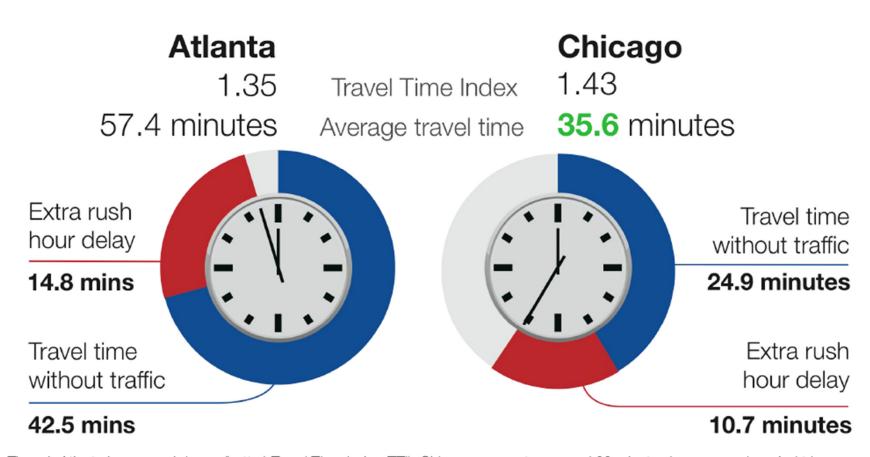
What is Performance-Based Planning?



Performance-Based Planning

- Performance-based planning involves
 - Determining goals for the future
 - Setting targets for performance measures
 - Examining how different policy and investment decisions could impact the ability to achieve the targets
 - Adopting policies that best help the Commonwealth achieve these targets
 - Tracking whether investments and policies resulted in the expected outcomes

Performance-Based Planning



Though Atlanta has a much lower (better) Travel Time Index (TTI), Chicago commuters spend 20 minutes less per peak period trip.



Performance-Based Planning

- HB2241/SB1331 codify several performance-based planning best practices
 - Requires the Board to establish targets for surface transportation performance
 - Directs the Board to report annually on progress towards such targets
- Intermodal Office will develop recommendations for the Board's consideration
 - Draft targets
 - Process to evaluate progress and identify potential remedies