

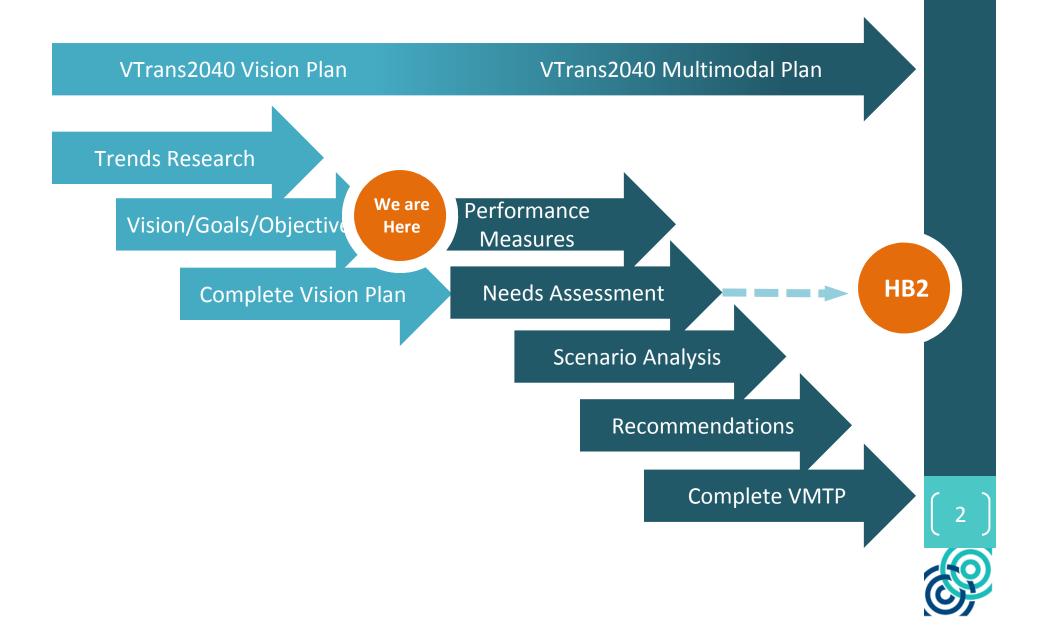
VTrans2040 Multimodal Transportation Plan

Introduction and Approach to Needs Assessment



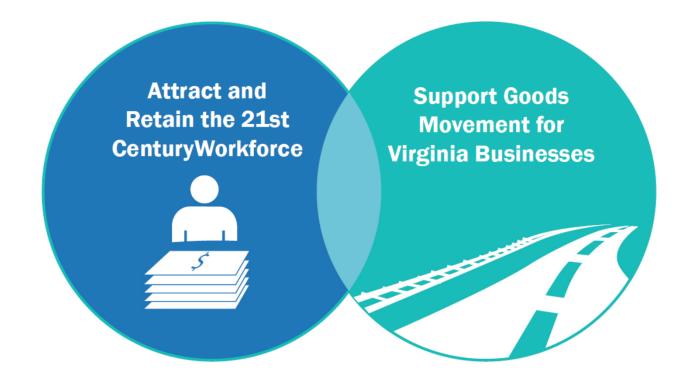


rans VTrans and VMTP Steps





What Guides Us: Our Priorities







What Guides Us: Connecting to Outcomes

 What we measure needs to lead us to the outcome we want to achieve

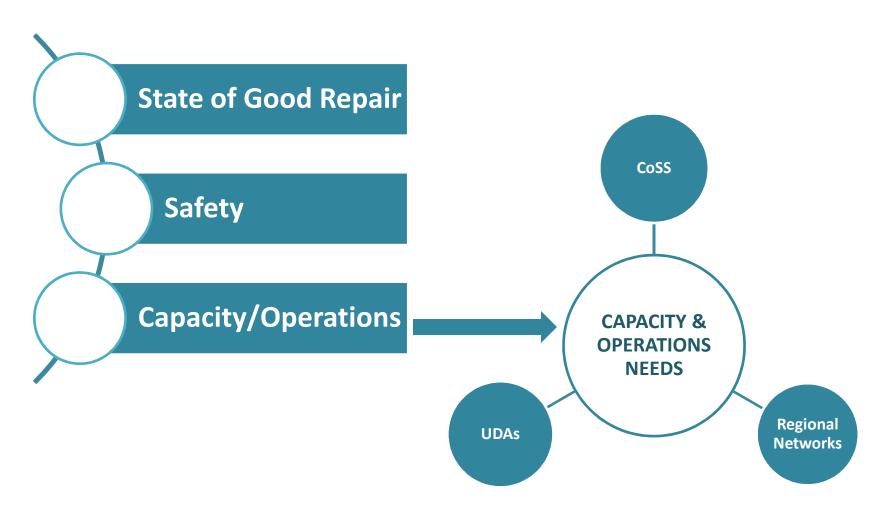






rans VTrans MTP Needs Assessment

Three types of needs:







Analytical Approach to 2025 Needs Assessment





rans Statewide Assessments



State of Good Repair

- Bridges and Pavement
- Capital maintenance for all modes
- Data provided by transportation agencies

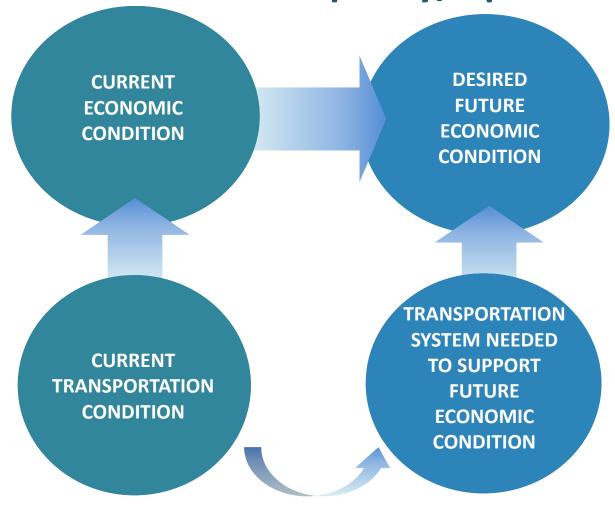


Safety

- High crash locations
- Mode conflicts (rail, bus, auto, bike, pedestrian)
- Data provided by transportation agencies



What are "Needs" for Capacity/Operations?

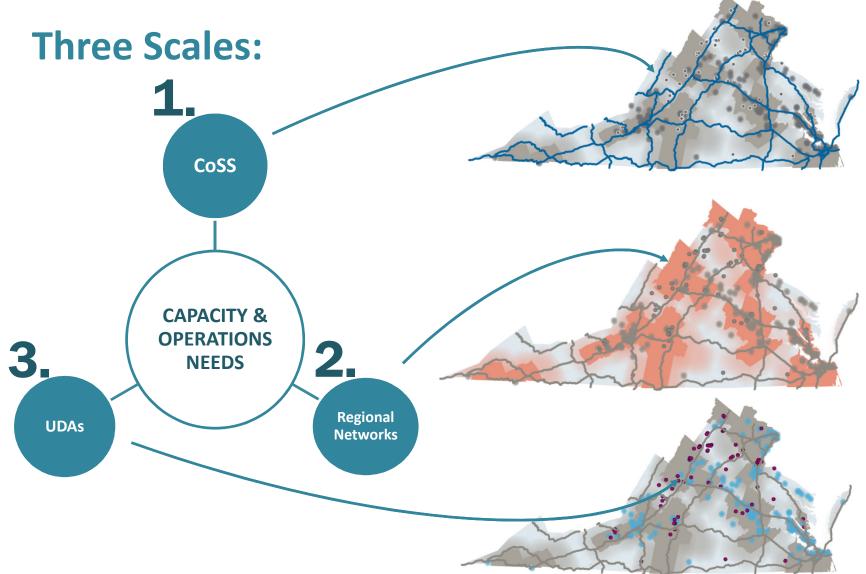


"GAP" = Transportation "NEED"





rans 2025 Capacity/Operations **Needs Assessment**

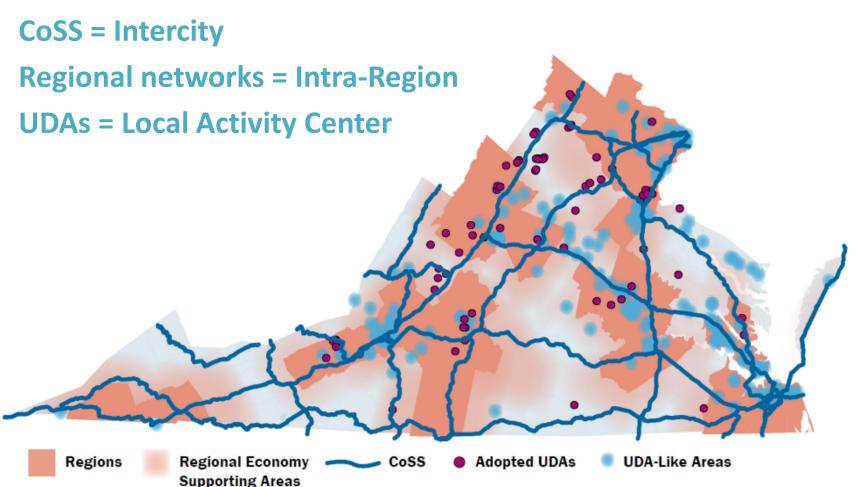






Three Scales of Analysis

Three Scales = Three Travel Markets:



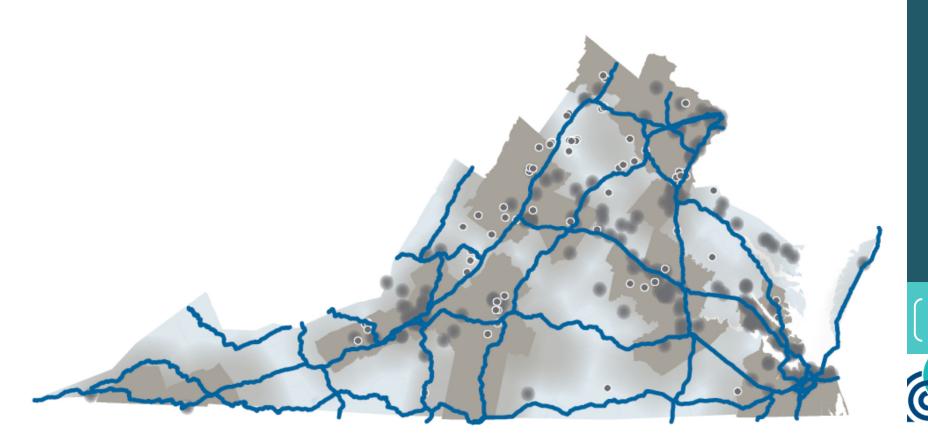
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1. Corridors of Statewide Significance

Travel Market: Intercity Travel







1. Corridors of Statewide Significance

Approach

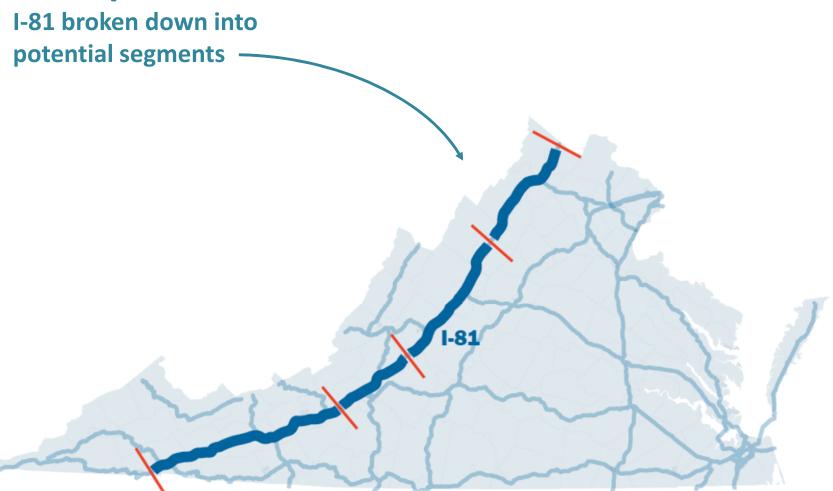
- Break each CoSS into logical segments and travel markets
- Develop demand estimates to quantify intercity markets and travel patterns
- Analyze future conditions using guiding principles to determine deficiencies
 - Examine each segment including related facilities

 Based on analysis develop a set of 'needs' for each corridor segment



1. Corridors of Statewide Significance

Example:



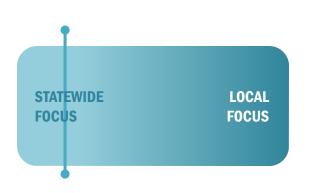


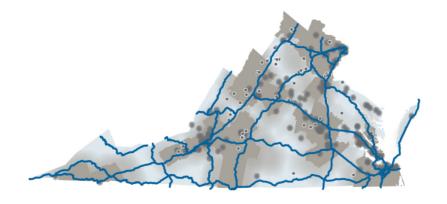


Corridors of Statewide Significance

Guiding Principles

- Safety & Operations
- Improving reliability
- Complementing transportation mode choice
- Reducing severe congestion/bottlenecks



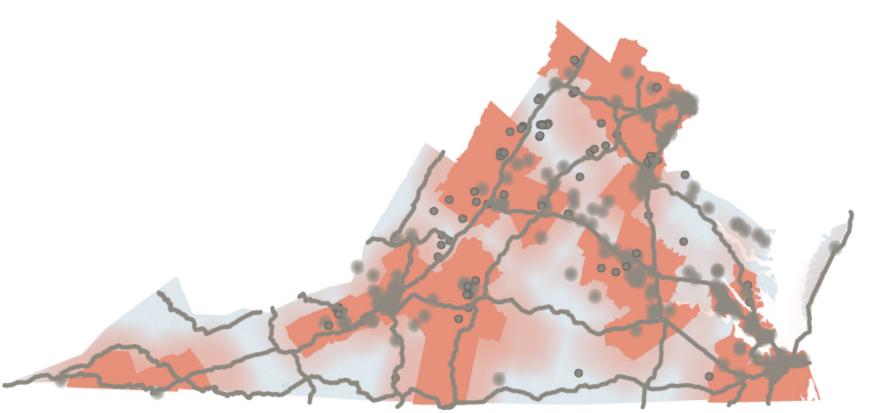






rans 2. Regional Networks

Travel Market: Intra-Regional Travel





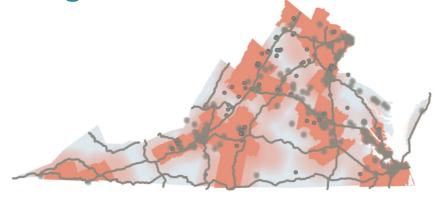


2. Regional Networks

Guiding Principles

- Focus on economic competitiveness and accessibility/connectivity
- Opportunity to link Region's economic vision with future transportation needs
- Extensive outreach to determine desired economic future of each region









2. Regional Networks

Approach

- Analyze current economic and transportation conditions
- Outreach to Regions to determine desired economic futures
- Analyze "gaps" between current transportation conditions and future system needed to support economic vision
- Will include Accessibility Analysis for destinations within a Region

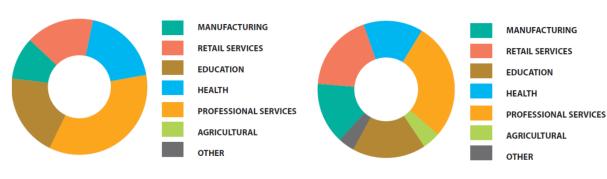




Regional Networks

Current Economic Profile (from analysis)

Future Desired Economic Profile (from Regional/Local input)



Current Multimodal Transportation Profile



Future Multimodal Transportation Profile



Gap Analysis



/

Potential Transportation Investment Needs:

Significant Gaps

- 1. Address Freight Bottlenecks
- 2. Transit Investments
- 3. Bike/Ped Investments
- 4. Provide Modal Choices



Regional Networks

Determine Key Transportation Sectors to Serve Preferred Economy

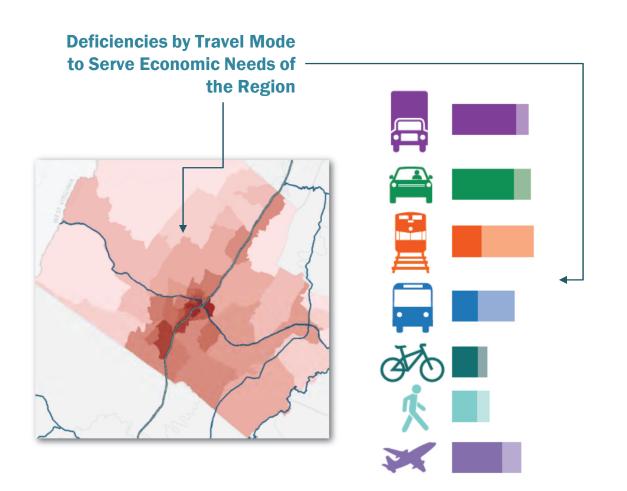
(based on Analysis) PROFESSIONAL TECHNICAL NED ECONOMIC SECTORS GOVERNMENT. AGRICULTURE NON-LOCAL TOURISM EDUCATION GOVERNMENT -LOCAL COCAL ECONOMIC SECTORS



Regional Networks

Determine Key Transportation Needs to Serve Preferred Economy

(based on Analysis)



SAMPLE MEASURES:

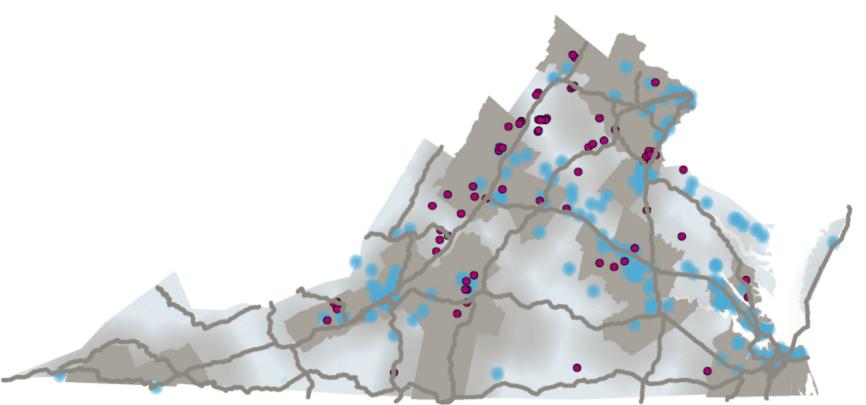
- 1. Person Hours of Delay
- 2. Person Hours of Delay on Truck Routes
- 3. Job Accessibility By Transit
- 4. Job Accessibility by Bike/Ped
- 5. Modal Access to Airports





rans 3. Urban Development Areas

Travel Market: Local Activity Center Travel



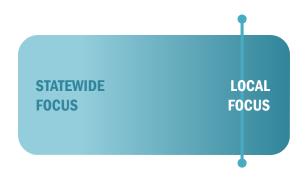


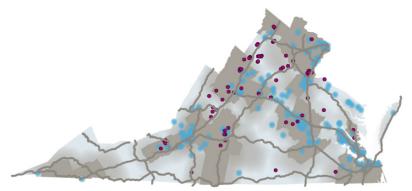


3. Urban Development Areas

Guiding Principles

- Context sensitive multimodal transportation solutions
- Last-mile access to jobs and non-work attractions
- Safe bicycle and pedestrian circulation
- Improve connections to local multimodal networks and regional transportation options









3. Urban Development Areas

Approach

- Confirm locations of UDA and UDA-like areas through local outreach
- Group all areas into typologies that reflect current and future land use patterns
- Survey localities on specific UDA and UDA-like transportation needs
- Organize local needs by typology to determine statewide general needs by area





Outreach & Coordination

OUTREACH



DRAFT Needs

FINAL Needs



Input from State Agencies

Sogr NEEDS

Sogr Needs

Vetted with State Agencies

Input from State
Agencies

SAFETY NEEDS

SAFETY NEEDS

Vetted with State Agencies

CAPACITY/OPS NEEDS

Coss/Reg. Networks/UDAs

EXISTING Economic &

Transp. Conditions

FUTURE Economic & Transp. Conditions

OUTREACH at State Level
OUTREACH at Local Level

MPOs/Localities

Vetted with

Provided by

MPOs/Localities

Gap Analysis to determine Draft Needs



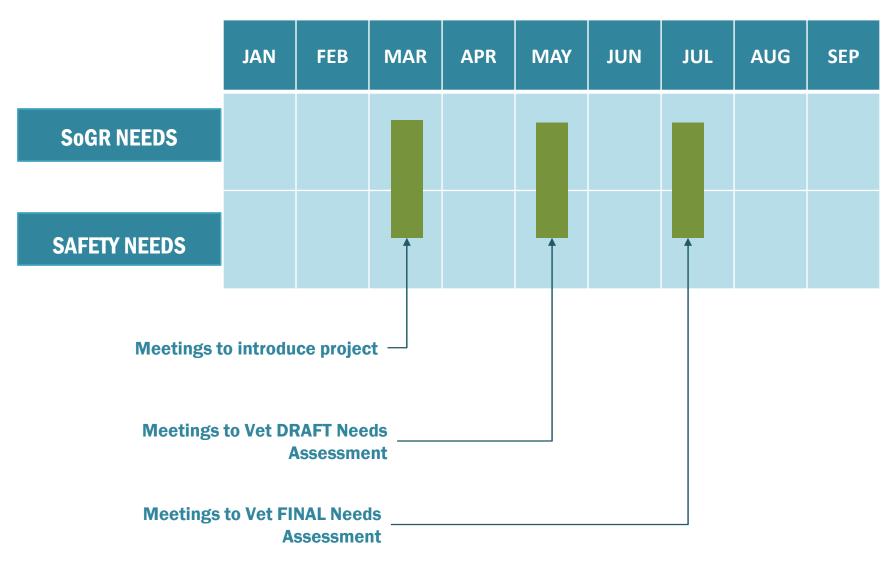
Vetted with MPOs/Localities







Proposed Outreach – SoGR & Safety Needs







Proposed Outreach - Capacity & Operations Needs

