2019 VTrans Vision, Goals, Objectives, Guiding Principles
2019 Mid-term Needs Identification Methodology

Commonwealth Transportation Board

Nick Donohue, Director, Office of Intermodal Planning and Investment

December 10, 2019

1

VTRANS - REQUIREMENTS

- Federal and State Requirements
  - Federal requirements per 23 U.S.C. 135 and other

  - State requirement § 33.2-353: OIPI to **assist the CTB** in the development and **update of a Statewide Transportation Plan**. Conduct a statewide needs assessment of CoSS, RN, UDA travel markets

  - State requirement § 2.2-229: OIPI to assist the Commonwealth Transportation Board in the **development of a comprehensive, multimodal transportation policy**, which may be developed as part of the Statewide Transportation Plan pursuant to § 33.2-353

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

VTRANS - REQUIREMENTS

- Virginia-specific Business Requirements
  - Identify Mid-term safety needs to guide SMART SCALE safety investments
  - Guide state funding programs (e.g. SMART SCALE, Revenue Sharing Priority 2 Projects)
  - Guide project development and advance activities

- Per § 33.2-353. Commonwealth Transportation Board to develop and update Statewide Transportation Plan

    "It is the intent of the General Assembly that this plan assess transportation needs and assign priorities to projects on a statewide basis, **avoiding** the production of **a plan that is an aggregation of local, district, regional, or modal plans**."

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

VTRANS – MAJOR COMPONENTS

Focus of Today's Presentation and Request

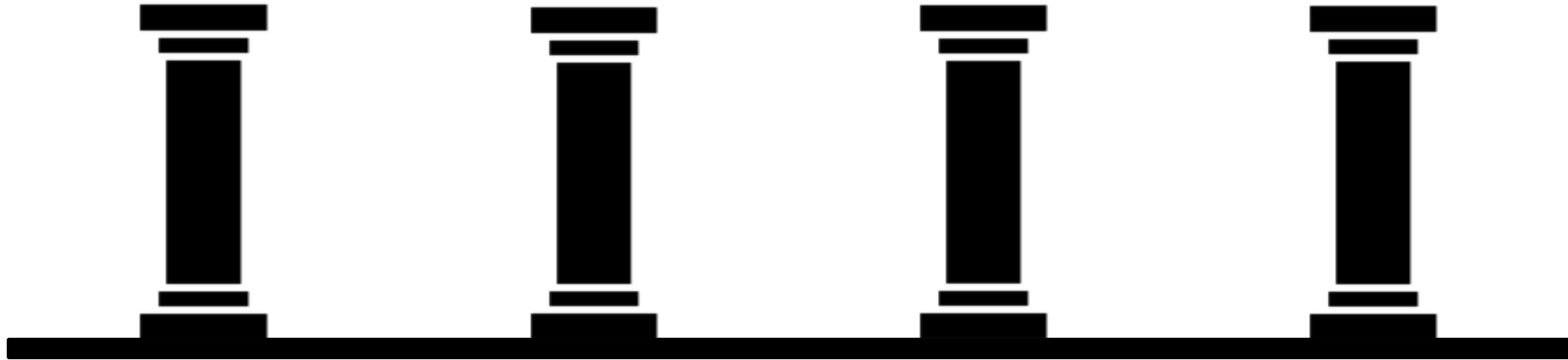CTB's Vision, Guiding Principles, Goals, and Objectives

Needs Identification (Mid-term)

Alternative Futures or Needs Identification (Long-term)

Strategic Actions (Recommendations)

VTRANS VISION AND GOALS

VISION

Virginia's multimodal transportation system 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.

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

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

VTRANS GUIDING PRINCIPLES

GUIDING PRINCIPLES

Guiding Principle 1: **Optimize Return on Investments**

Guiding Principle 2: **Ensure Safety, Security, and Resiliency**

Guiding Principle 3: **Efficiently Deliver Programs**

Guiding Principle 4: **Consider Operational Improvements and Demand Management First**

Guiding Principle 5: **Improve Coordination Between Transportation and Land Use**

Guiding Principle 6: **Ensure Efficient Intermodal Connections**

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

VTRANS MID-TERM NEEDS – PERFORMANCE MEASURES AND CATEGORIES

GOAL	MID-TERM NEEDS MEASURES AND CATEGORIES	CoSS	RN	UDA	STATE-WIDE
A. Economic Competitiveness	Congestion: Percent Person Miles Traveled in Excessively Congested Conditions (PECC)[1]	✔	✔		
	Congestion: Travel Time Index (TTI)[2]	✔	✔		
	Reliability: Level of Travel Time Reliability (LOTTR)	✔	✔		
	Reliability: Passenger and Intercity Rail On-time Performance	✔			
B. Accessible Places	Transit Accessibility to Activity Centers for Workers		✔		
	Non-Motorized Access to Activity Centers for Workers		✔		
	Transit Access for Equity Emphasis Areas		✔		
	Access to Industrial and Economic Development Areas (locally-determined)[3]				✔
	UDA Area Needs (locally-determined)[4]			✔	

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

GOAL	MID-TERM NEEDS MEASURES AND CATEGORIES	CoSS	RN	UDA	STATE-WIDE
C. Safety	Locations with High Number of Crashes and High Crash Severity				✔
C. Safety	Pedestrian Safety Improvement Locations				✔
D. Proactive System Management	Capacity Preservation	✔	✔		
E. Healthy, Sustainable Communities	Transportation Demand Management	✔	✔		

1 PECC: All of limited-access CoSS, plus select limited access facilities within Regional Networks
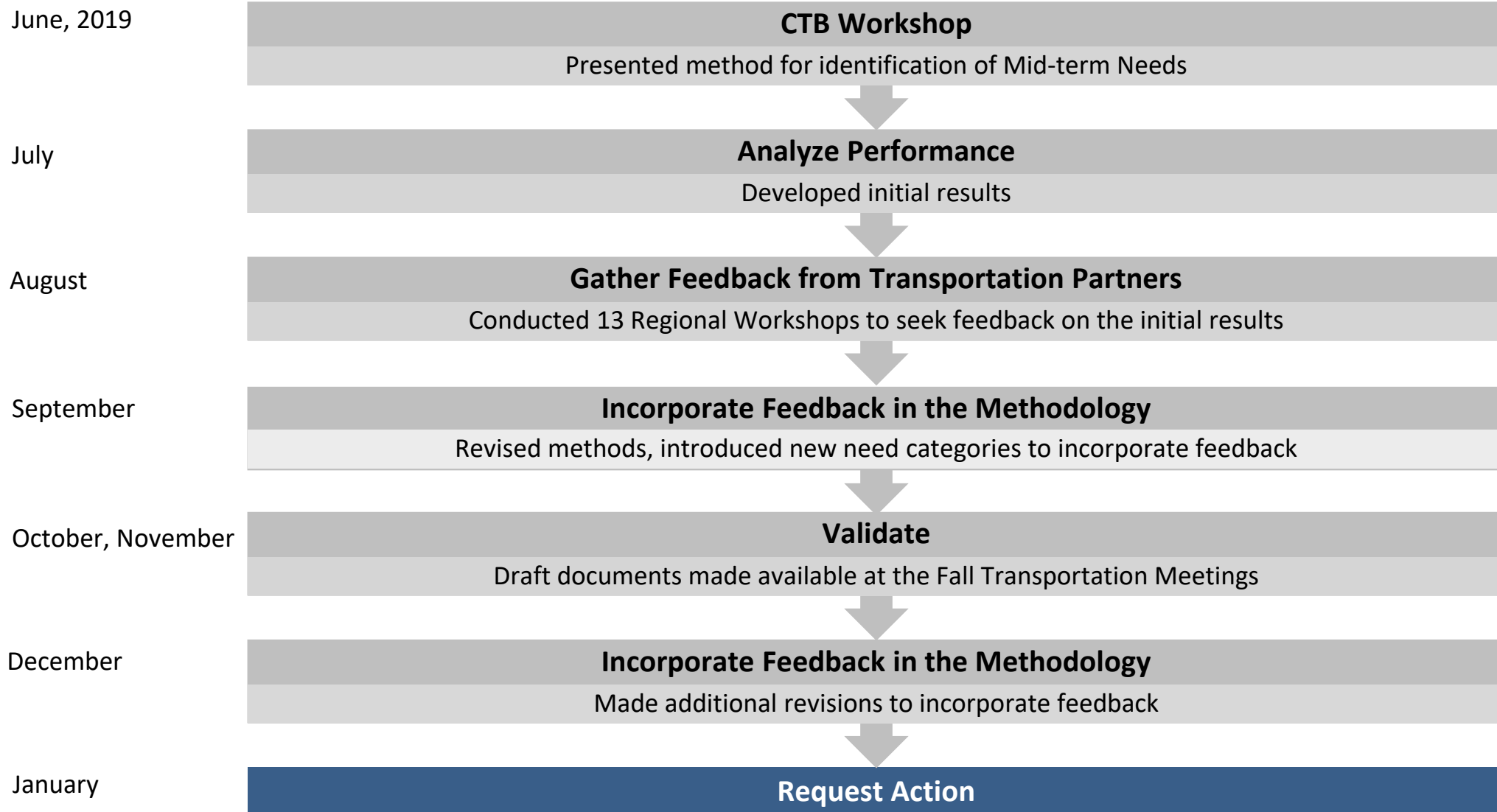2 TTI: All of non-limited access CoSS, plus all other facilities within Regional Networks
3 Access to IEDAs: Locations included in Virginia Economic Development Partnership's Business-Ready Site Program
4 UDA Area Needs: Includes improvements such as bicycle and pedestrian infrastructure, circulation and access, safety, transit enhancements and access, etc.

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

VTRANS MID-TERM NEEDS – TIMELINE (SINCE THE LAST PRESENTATION TO THE BOARD)

June, 2019

CTB Workshop

Presented method for identification of Mid-term Needs

July

Analyze Performance

Developed initial results

August

Gather Feedback from Transportation Partners

Conducted 13 Regional Workshops to seek feedback on the initial results

September

Incorporate Feedback in the Methodology

Revised methods, introduced new need categories to incorporate feedback

October, November

Validate

Draft documents made available at the Fall Transportation Meetings

December

Incorporate Feedback in the Methodology

Made additional revisions to incorporate feedback

January

Request Action

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

9

- **Attendance at Regional Workshops**
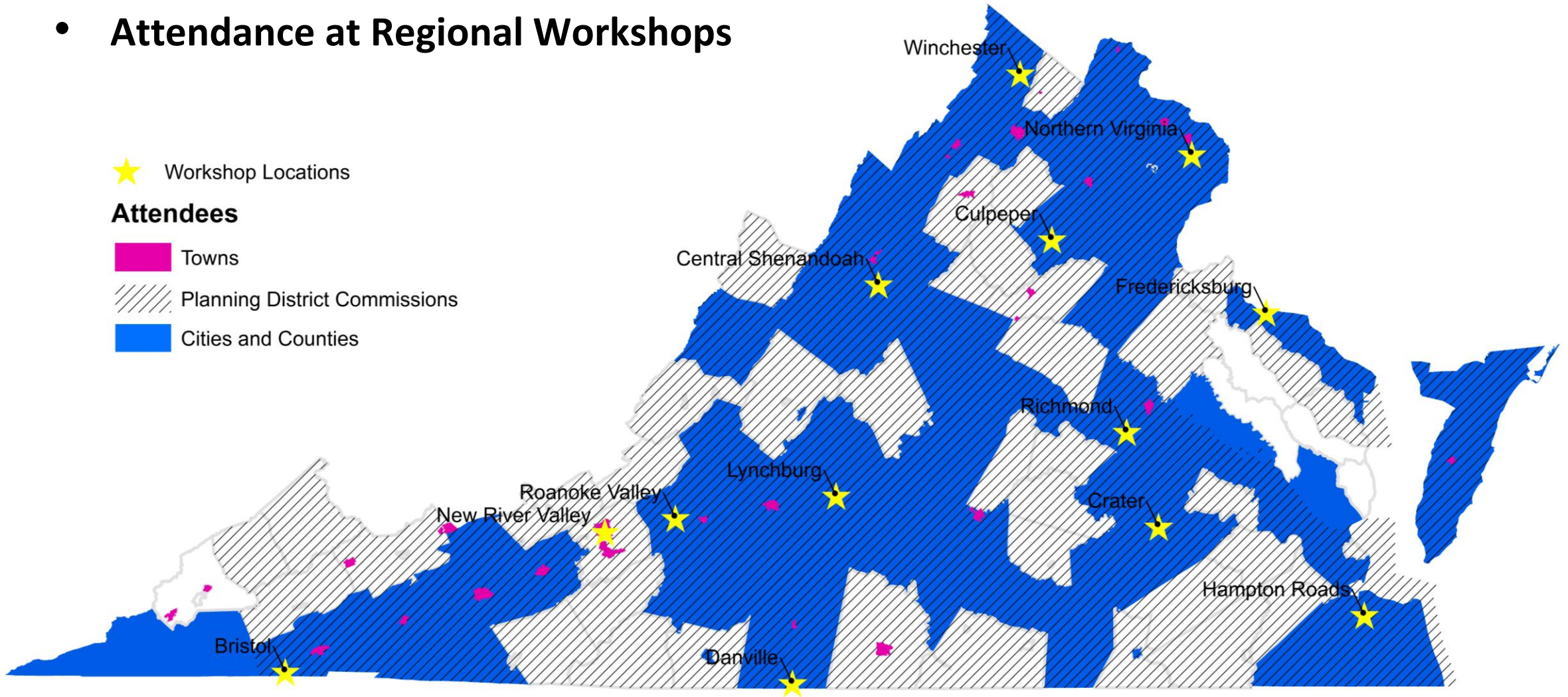 - 83 Cities and Counties
  - 30 Towns
  - 15 MPO's
  - 16 PDC's
  - 16 Transit Agencies
  - 4 TDM agencies
  - 4 airports
  - 3 universities
  - Various other state and regional stakeholders
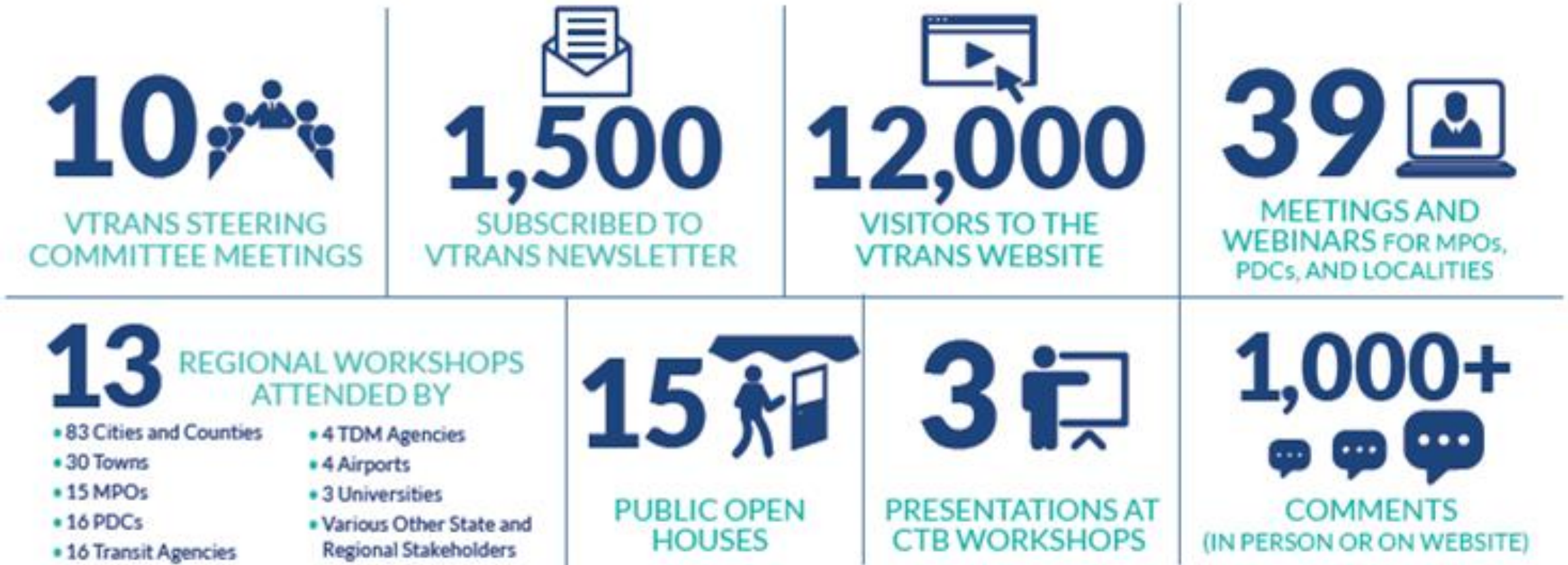

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

- **Attendance at Regional Workshops**

Legend:
- ★ Workshop Locations
- **Attendees**
- Towns
- Planning District Commissions
- Cities and Counties

Map labels: Winchester, Northern Virginia, Culpeper, Central Shenandoah, Fredericksburg, Richmond, Lynchburg, Roanoke Valley, New River Valley, Crater, Hampton Roads, Bristol, Danville

This map shows jurisdiction boundaries.

VTRANS MID-TERM NEEDS – OUTREACH AND ENGAGEMENT ACTIVITIES

10 VTRANS STEERING COMMITTEE MEETINGS

1,500 SUBSCRIBED TO VTRANS NEWSLETTER

12,000 VISITORS TO THE VTRANS WEBSITE

39 MEETINGS AND WEBINARS FOR MPOs, PDCs, AND LOCALITIES

13 REGIONAL WORKSHOPS ATTENDED BY
- 83 Cities and Counties
- 30 Towns
- 15 MPOs
- 16 PDCs
- 16 Transit Agencies
- 4 TDM Agencies
- 4 Airports
- 3 Universities
- Various Other State and Regional Stakeholders

15 PUBLIC OPEN HOUSES

3 PRESENTATIONS AT CTB WORKSHOPS

1,000+ COMMENTS (IN PERSON OR ON WEBSITE)

October 2018 - October 2019

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

VTRANS MID-TERM NEEDS – AVAILABILITY OF MID-TERM NEEDS

1. Print-ready Documentation
   - [Executive Summary and maps showing Mid-term Needs](#)
   - [Methodology Report](#)
2. Dataset
3. [InteractVTrans](#)
   - Find / download Needs by location
   - View different layers
   - Share comments

VTRANS MID-TERM NEEDS – NOTEWORTHY POINTS

- Key attributes of the 2019 Mid-term Needs Methodology
    1. Follows Data-driven methods
    2. Includes Needs that are specific but not prescriptive
    3. Allows for innovative multimodal solutions including carshare, bikeshare, etc.
    4. Reflects mobility needs for Equity Emphasis Areas
    5. Addresses access needs for Industrial and Economic Development Areas
    6. Easier to identify more pressing needs
        - For example, localities can identify corridors that have both, **Need for Travel Time Reliability Improvements** AND **Need for Safety Improvement**

VIRGINIA'S
TRANSPORTATION PLAN

- We received approximately 125 comments that include:
  - Add more Needs
  - Analyze accessibility and mobility needs outside of Regional Networks and Corridors of Statewide Significance
  - Provide CoSS designation for additional routes
  - Make SMART SCALE screening determinations
  - Modify VTrans Needs to ensure SMART SCALE High Priority Projects Program (HPPP) funding eligibility
  - Other
    - o Clarifications
    - o Corrections and inconsistencies
    - o Other comments (prioritization related, editorial comments)

VIRGINIA'S
TRANSPORTATION PLAN

- The following changes were made to the Draft Mid-term Need categories:
  - Change to Need category: Transit Needs for Equity Emphasis Areas
    - o Require that one of the following two groups be present in concentrations at least as high as the regional average: (1) low-income populations; and, (2) population with disabilities
  - Change to Need category: Transit Accessibility Access to Activity Centers for Workers
    - o Transit access Needs also identified for freight-dependent activity centers
  - Change to Need category: Non-motorized Access to Activity Centers for Workers
    - o Now identified within metropolitan planning areas
  - Change to Need category: Transportation Demand Management
    - o Now identified for CoSS and metropolitan areas within RNs
  - Miscellaneous items (edits for corrections and consistencies, editorial modifications)

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

- Develop more complete and accurate datasets to better capture:
    1. Non-recurring congestion
    2. Impact of seasonal variations
    3. Impact of committed improvements
    4. Impact of topography or geographic conditions
    5. Quality of transit and rails services, instead of just availability
    6. Quality and availability of non-motorized infrastructure

VTRANS | VIRGINIA'S TRANSPORTATION PLAN