



COMMONWEALTH of VIRGINIA  
*Office of the*  
SECRETARY of TRANSPORTATION

**VTRANS:**

**APPROACH TO PRIORITIZING THE MID-TERM TRANSPORTATION NEEDS**

Hampton Roads TPO TTAC Meeting

Chris Wichman  
Virginia Office of Intermodal Planning & Investment

September 2nd, 2020



# AGENDA

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- Background
- Prioritization of the 2019 Mid-term Needs
  - Context and Significance
  - Steps
  - Next Steps

## BACKGROUND

- The [Commonwealth Transportation Board \(CTB\)](#) accepted the [2019 Mid-term Transportation Needs](#) in January, 2020
- At that time, the CTB also directed the Office of Intermodal Planning and Investment to Prioritize the 2019 Mid-term Transportation Needs



## BACKGROUND

- In VTrans, needs are identified for two planning horizons.
  - Mid-term
  - Long-term

|                         | Mid-Term Needs   | Long-Term Needs  |
|-------------------------|--|--|
| <b>Planning Horizon</b> | <ul style="list-style-type: none"><li>• 7 - 10 years</li></ul>   | <ul style="list-style-type: none"><li>• 10 – 25 years</li></ul>  |
| <b>Purpose</b>          | <ul style="list-style-type: none"><li>• Screen SMART SCALE applications</li><li>• Prioritize VDOT Revenue Sharing applications</li><li>• Forms the basis of VTrans Multimodal Project Study Pipeline</li></ul> | <ul style="list-style-type: none"><li>• Inform policy to prepare for gradual and systematic change</li></ul> |
| <b>Board Action</b>     | <ul style="list-style-type: none"><li>• Adopted in January 2020</li></ul>  | <ul style="list-style-type: none"><li>• Requested in 2021</li></ul>  |

## PRIORITIZATION OF VTRANS MID-TERM NEEDS | CONTEXT AND SIGNIFICANCE

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- Based on the CTB's direction, the Prioritized Mid-term Needs may be used to:
  - Inform state-level planning and project development processes
  - Develop of policies related to transportation programs and activities
  - Inform other programmatic or planning related functions
- Finally, local and regional planning agencies may utilize the prioritized Needs to inform local and regional planning efforts.

- **VTrans Multimodal Project Study Pipeline**

- In January 2020, the Board directed OIPI to prioritize the identified 2019 Mid-term Needs
- In May 2020, Deputy Secretary Donohue [presented](#) the following overarching approach:



- **Significance of This Work**

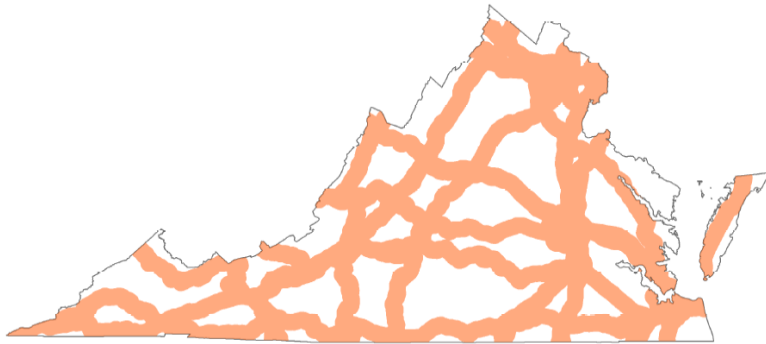
- This work informs VDOT and DRPT investments for various types of studies

# PRIORITIZATION OF VTRANS MID-TERM NEEDS | STEPS

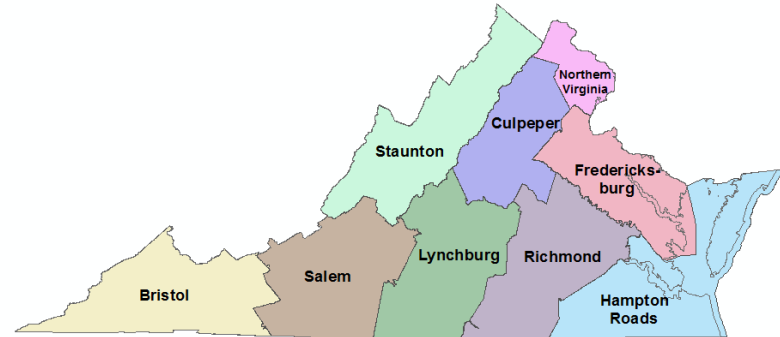
## 1. Define Geographical Levels of Prioritization

Establish criteria for aggregating VTrans Need Categories:

- **Commonwealth Prioritization:** Needs along Corridors of Statewide Significance (CoSS) and Safety Travel Markets (on COSS)
- **District Prioritization:** Needs within the Regional Networks (RN), Safety, and UDA (IEDA Access) Travel Markets



Statewide Prioritization (along COSS)



District Prioritization

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## 2. Prioritize within Needs Categories

Establish priorities within each VTrans Need Category:

- Criteria 1: Severity of the Need
- Criteria 2: Number of Users Affected



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## 3. Weigh and Aggregate Needs across Needs Categories

Assign weightings to each VTrans Need Category Priority from Step 2 and aggregate to establish Commonwealth and District Priority Locations

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## 4. Adjust Priority Locations for Influencing Factors

**Adjust for influencing Factors:**

- Co-located transportation infrastructure repair, rehabilitation, or replacements needs
- Exposure to Storm Surge and Inland/Riverine Flooding

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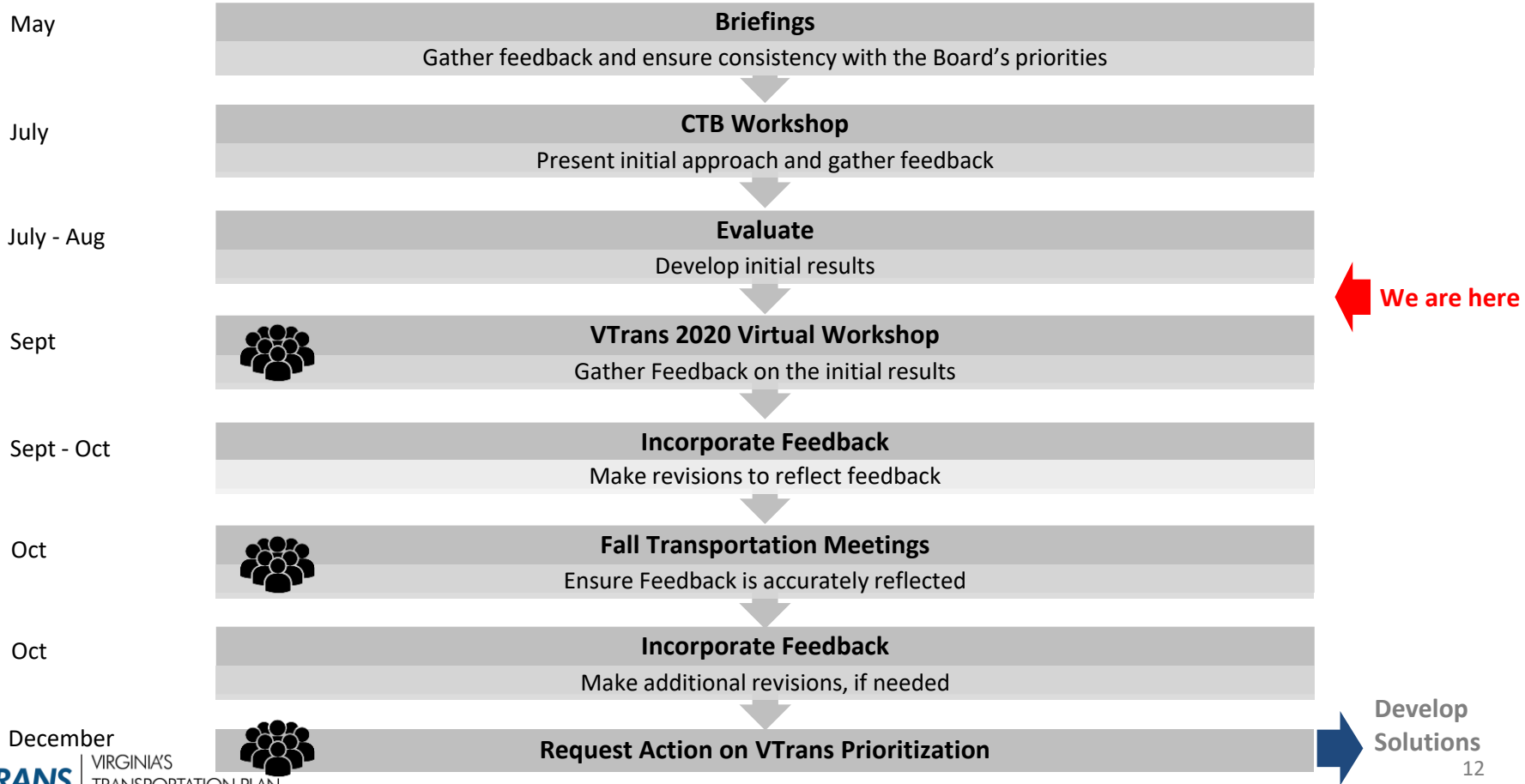
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Iterative development based on feedback from local and regional agencies

# PRIORITIZATION OF VTRANS MID-TERM NEEDS | NEXT STEPS





## OIPI Staff Contact Information:

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**Thank you**