



COMMONWEALTH of VIRGINIA
Office of the
SECRETARY of TRANSPORTATION

VTRANS:

APPROACH TO PRIORITIZING THE MID-TERM TRANSPORTATION NEEDS

Roanoke Valley TPO - TAC Meeting

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September 10th, 2020



AGENDA

- Background
- Prioritization of the 2019 Mid-term Needs
 - Context and Significance
 - Steps
 - 2020 VTrans Virtual Workshops

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

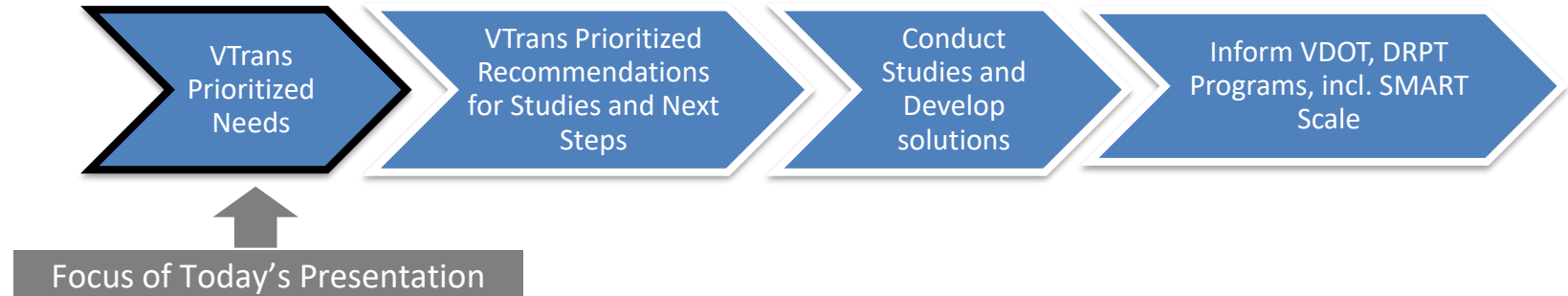
- In VTrans, needs are identified for two planning horizons.
 - Mid-term
 - Long-term

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

PRIORITIZATION OF VTRANS MID-TERM NEEDS | CONTEXT AND SIGNIFICANCE

- Based on the CTB's direction, the Prioritized Mid-term Needs may be used to:
 - Inform VDOT and DRPT's investments in planning and project development activities
 - 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
 - January 2020: [Resolution](#): Direction to prioritize the VTrans 2019 Mid-term Needs
 - May 2020: [Presentation](#): Approach for the Project Study Pipeline (Below)
 - July 2020: [Presentation](#): Approach for the Prioritization of the VTrans Mid-term Needs

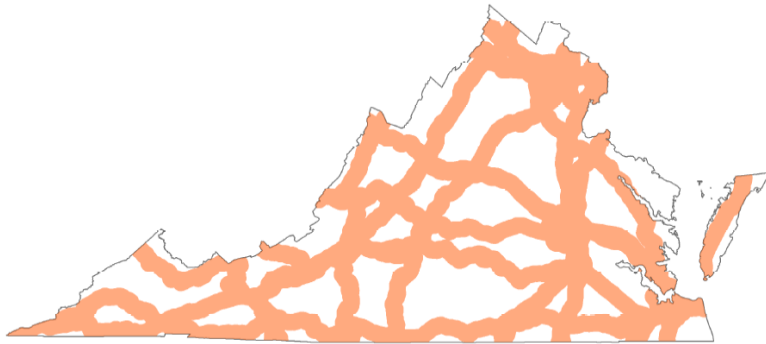


PRIORITIZATION OF VTRANS MID-TERM NEEDS | STEPS

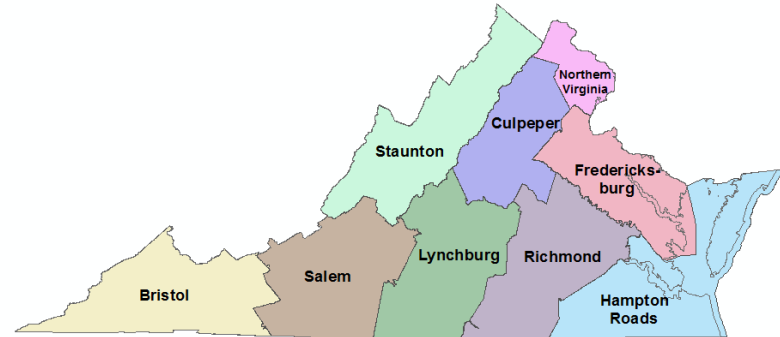
1. Define Geographical Levels of Prioritization

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

PRIORITIZATION OF VTRANS MID-TERM NEEDS | STEPS

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STEP 2

Prioritize within
Needs Categories

Establish priorities within each VTrans Need Category:

- Criteria 1: Severity of the Need
- Criteria 2: Magnitude (e.g. Number of Users or Vehicles Affected)

PRIORITIZATION OF VTRANS MID-TERM NEEDS | STEPS

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STEP 3

Weigh and
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across Needs
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Identify Commonwealth and District-Priority locations by applying weights to VTrans Need categories

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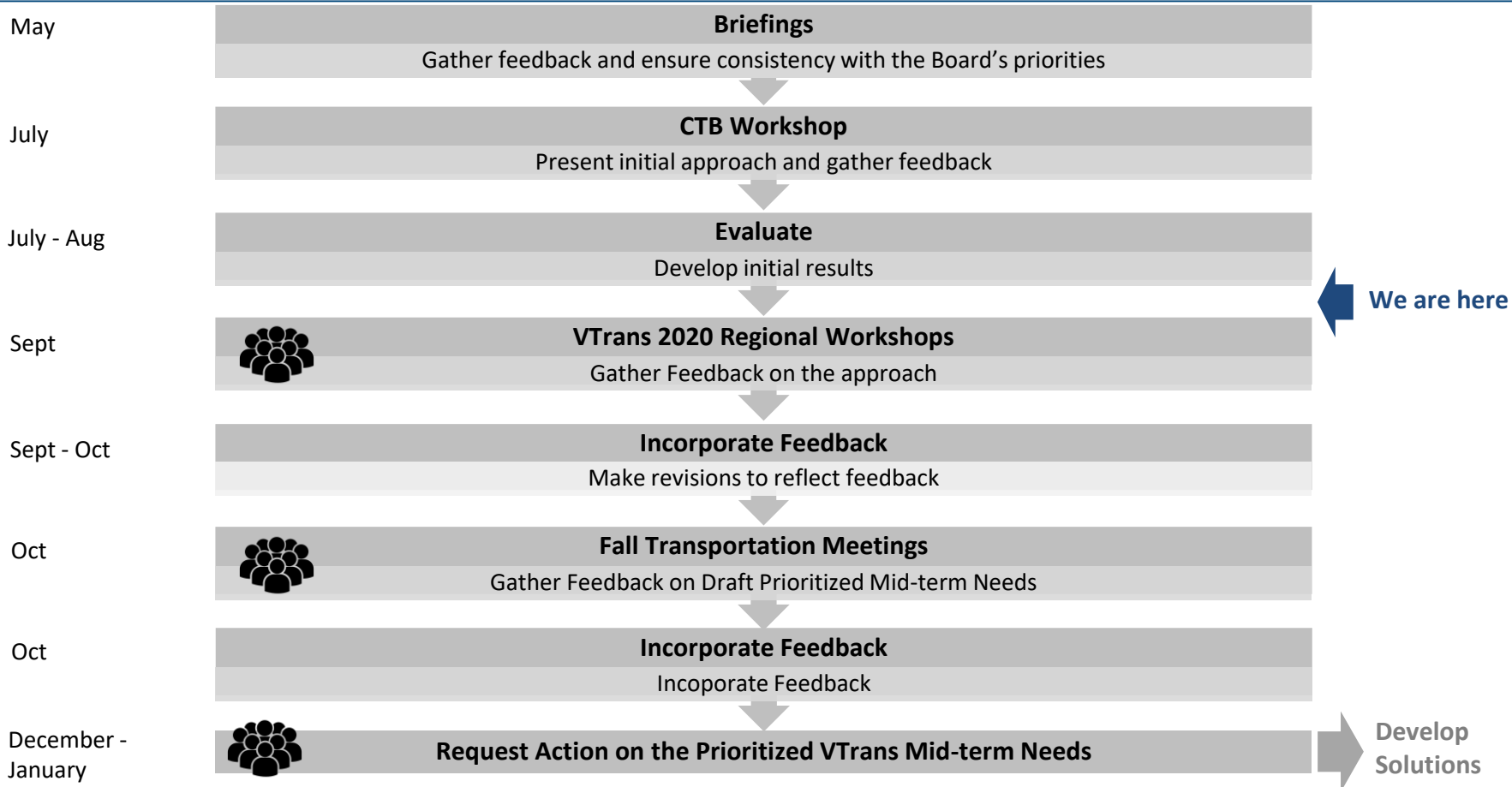
STEP 4

Adjust Priorities
for Influencing
Factors

Adjust the Commonwealth and District Priority locations by considering the following influencing factors

- Co-located bridge and pavement repair, rehabilitation, or replacement needs
- Exposure to Sea-level Rise, Storm Surge and Inland/Riverine Flooding

CONTEXT AND OVERVIEW | SCHEDULE



PRIORITIZATION OF VTRANS MID-TERM NEEDS | 2020 VIRTUAL WORKSHOPS

- Similar to the 2019 VTrans Regional Workshops, we plan on virtual engagement to seek feedback
 - Utilization of [InteractVTrans](#) to display results
 - Online forum to engage with OIPI and other transportation partners

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Thank you