COMMONWEALTH *of* VIRGINIA
Office of the
SECRETARY *of* TRANSPORTATION

VTRANS PROJECT PIPELINE AND LONG-TERM NEEDS

Commonwealth Transportation Board

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July 14, 2020

Purpose of Today's Update

- Provide updates on the following VTrans-related tasks
  - VTrans Multimodal Project Study Pipeline
  - Approach to the Identification of VTrans Long-term Needs

PURPOSE OF TODAY'S UPDATE *(CONT.)*

	Mid-Term Needs	Long-Term Needs
Planning Horizon	• 7 - 10 years	• 10 – 25 years
Purpose	• Screen SMART SCALE applications • Prioritize VDOT Revenue Sharing applications • Forms the basis of VTrans Multimodal Project Study Pipeline	• Inform policy to prepare for gradual and systematic change
Board Action	• Adopted in January 2020	• Requested in 2021

VTrans Multimodal Project Study Pipeline

- **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:

  - The purpose of this section of the presentation is to provide more details

- **Significance of This Work**
  - This works informs VDOT and DRPT investments for various types of studies

PRIORITIZATION OF VTRANS MID-TERM NEEDS I STEPS

1. Define Extent

- **Statewide Prioritization**: Needs along Corridors of Statewide Significance (CoSS)
- **District-level Prioritization**: Needs within Regional Networks (RN), Safety, and Access to Industrial Sites

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1. Severity of the Need
2. Number of Users Affected
3. Co-located Investments (capacity, safety, state-of-good repair, maintenance)
4. Risk Associated with Flooding and Sea-level Rise

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- Utilize a systematic and transparent approach to establish thresholds

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- Statewide and District-specific scoring weights

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Iterative development based on feedback from local and regional agencies

3. Establish Thresholds

- Utilize a systematic and transparent approach to establish thresholds

4. Establish Priorities

- Statewide and District-specific scoring weights

- Conduct Initial Analysis
- Gather feedback from CTB members to identify Statewide and District-specific priorities to weigh different types of Needs

VTrans Need Categories for Prioritization
• Congestion
• Reliability
• Transit Access
• Non-motorized Access
• Safety
• Capacity Preservation
• Transportation Demand Management
• Access to Industrial and Economic Development Sites

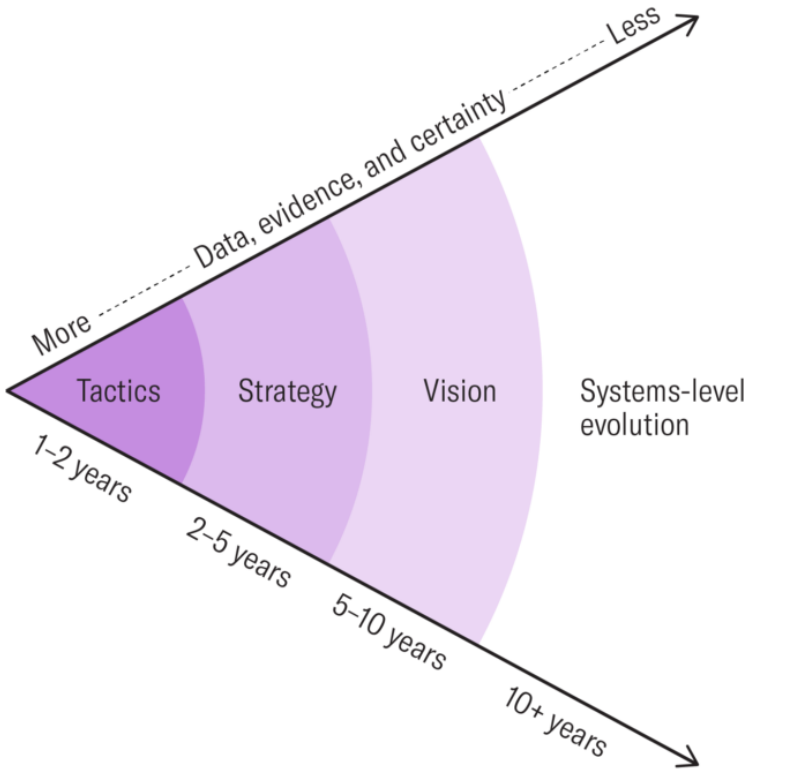
PRIORITIZATION OF VTRANS MID-TERM NEEDS I NEXT STEPS

May	**Briefings** Gather feedback and ensure consistency with the Board's priorities	
July	**CTB Workshop** Present initial approach and gather feedback	We are here
July - Aug	**Evaluate** Develop initial results	
Sept	**VTrans 2020 Regional Workshops** Gather Feedback on the initial results	
Sept - Oct	**Incorporate Feedback** Make revisions to reflect feedback	
Oct	**Fall Transportation Meetings** Ensure Feedback is accurately reflected	
Oct	**Incorporate Feedback** Make additional revisions, if needed	
December	**Request Action on VTrans Tiering**	Develop Solutions

Identification of VTrans Long-term Needs

- In January 2020, the Board also directed OIPI to **develop scenarios to assess the impacts of divergent trends to identify Long-term Needs**

IDENTIFICATION OF LONG-TERM NEEDS I SIGNIFICANCE



Source: Amy Webb, Future Today Institute

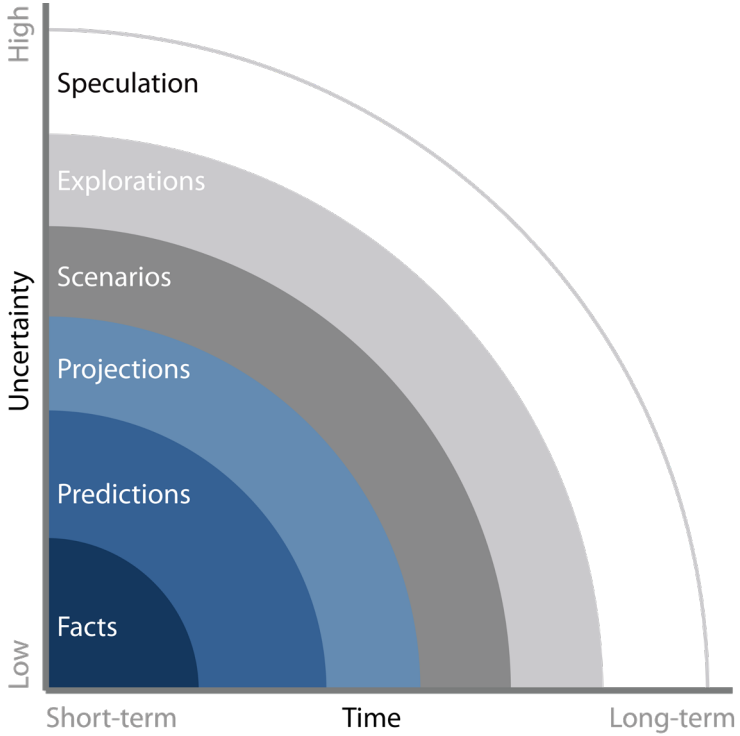
HBR

"First identify highly probable events for which there's already data or evidence, and then work outward. Each section of the cone is a strategic approach, and it encompasses the one before until you reach major system-level evolution…."

Amy Webb, How to Do Strategic Planning Like a Futurist, July 30, 2019, Harvard Business Review

IDENTIFICATION OF LONG-TERM NEEDS I SIGNIFICANCE

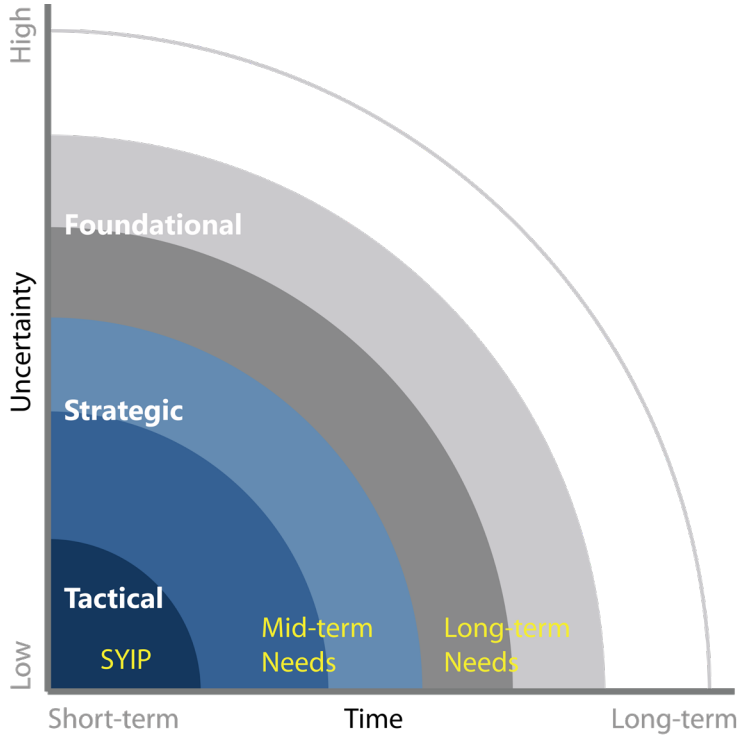
- **Long-term (10-25 years)**
  - Planning to prepare, not predict
  - Evaluate impact of the following external factors:
    - Technology trends
    - Vulnerability associated with flooding and sea-level rise
    - Economic trends
    - Demographic and land use trends
  - Develop three (3) scenarios and associated **impacts and mitigation needs**



From the Kick-off CTB Presentation of the VTrans Update, October 2018

IDENTIFICATION OF LONG-TERM NEEDS I SIGNIFICANCE

- **Long-term (10-25 years) address foundational items such as:**
  - Role and Responsibilities of Organization
  - Focus of Organization
  - Major Risks and Opportunities



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IDENTIFICATION OF LONG-TERM NEEDS I STEPS

1. Identify External Factors

- Demographic Trends
- Technology Trends
- Economic Trends
- Change in Vulnerability (flooding and sea-level rise)

2. Board's Vision and Goals

- Key Performance Indicators (KPIs) based on Board Vision, Goals, and Objectives
- Identified 15 KPIs for Board's review and feedback

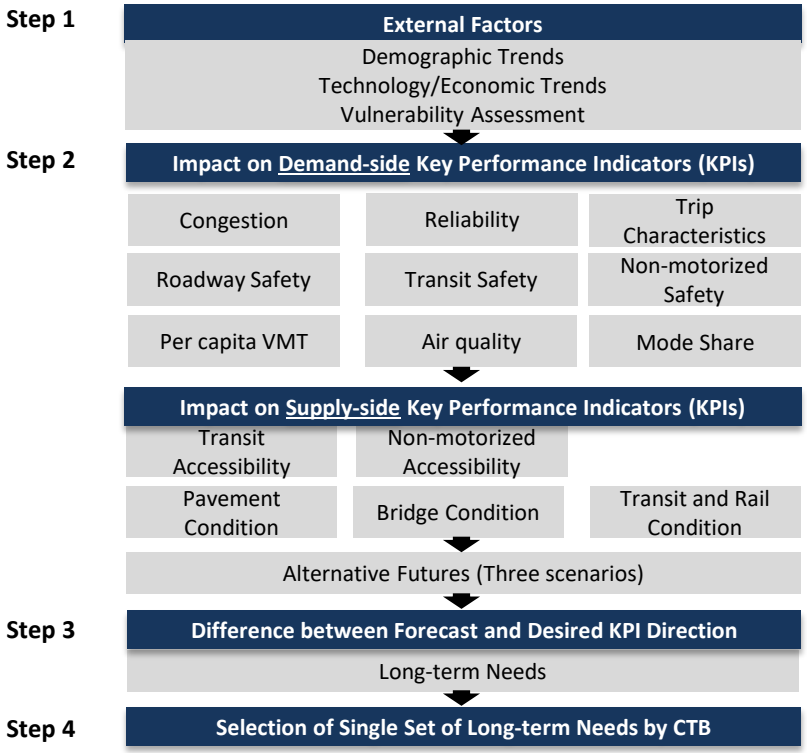
3. Impact of External Factors on CTB's Goals

- Identify range of expected impacts (**Develop three scenarios)**

4. Our Actions

- Long-term Needs to be better prepared

IDENTIFICATION OF LONG-TERM NEEDS I STEPS



IDENTIFICATION OF LONG-TERM NEEDS I STEPS

July	**CTB Workshop** Present initial approach	We are here
Aug - Oct	**Analysis** Conduct Trends Analysis	
Oct	**Gather Feedback on External Factors (Step 1)** Fall Transportation Workshops (In-person or Virtual)	
Oct - Nov	**Incorporate Feedback** Reflect Feedback	
Dec 2020 – Feb 2021	**Develop Long-term Scenarios (Steps 2 and 3)** Develop Scenarios based on Trend Analysis	
Spring 2021	**VTrans 2021 Regional Workshops** Gather Feedback on Long-term Scenarios and Associated Needs	
Summer 2021	**Request Action** Request Board action on Long-term Needs	

VTRANS | VIRGINIA'S TRANSPORTATION PLAN

Thank you