



COMMONWEALTH of VIRGINIA
Office of the
SECRETARY of TRANSPORTATION

VTRANS PROJECT PIPELINE AND LONG-TERM NEEDS

Commonwealth Transportation Board

Nick Donohue, Deputy Secretary of Transportation
Jitender Ramchandani, AICP, PMP

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	<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



VTrans Multimodal Project Study Pipeline

PRIORITIZATION OF VTRANS MID-TERM NEEDS | CONTEXT AND SIGNIFICANCE

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

PRIORITIZATION OF VTRANS MID-TERM NEEDS | 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

PRIORITIZATION OF VTRANS MID-TERM NEEDS | 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

2. Evaluate

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

PRIORITIZATION OF VTRANS MID-TERM NEEDS | 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

2. Evaluate

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

3. Establish
Thresholds

- Utilize a systematic and transparent approach to establish thresholds

PRIORITIZATION OF VTRANS MID-TERM NEEDS | 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

2. Evaluate

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

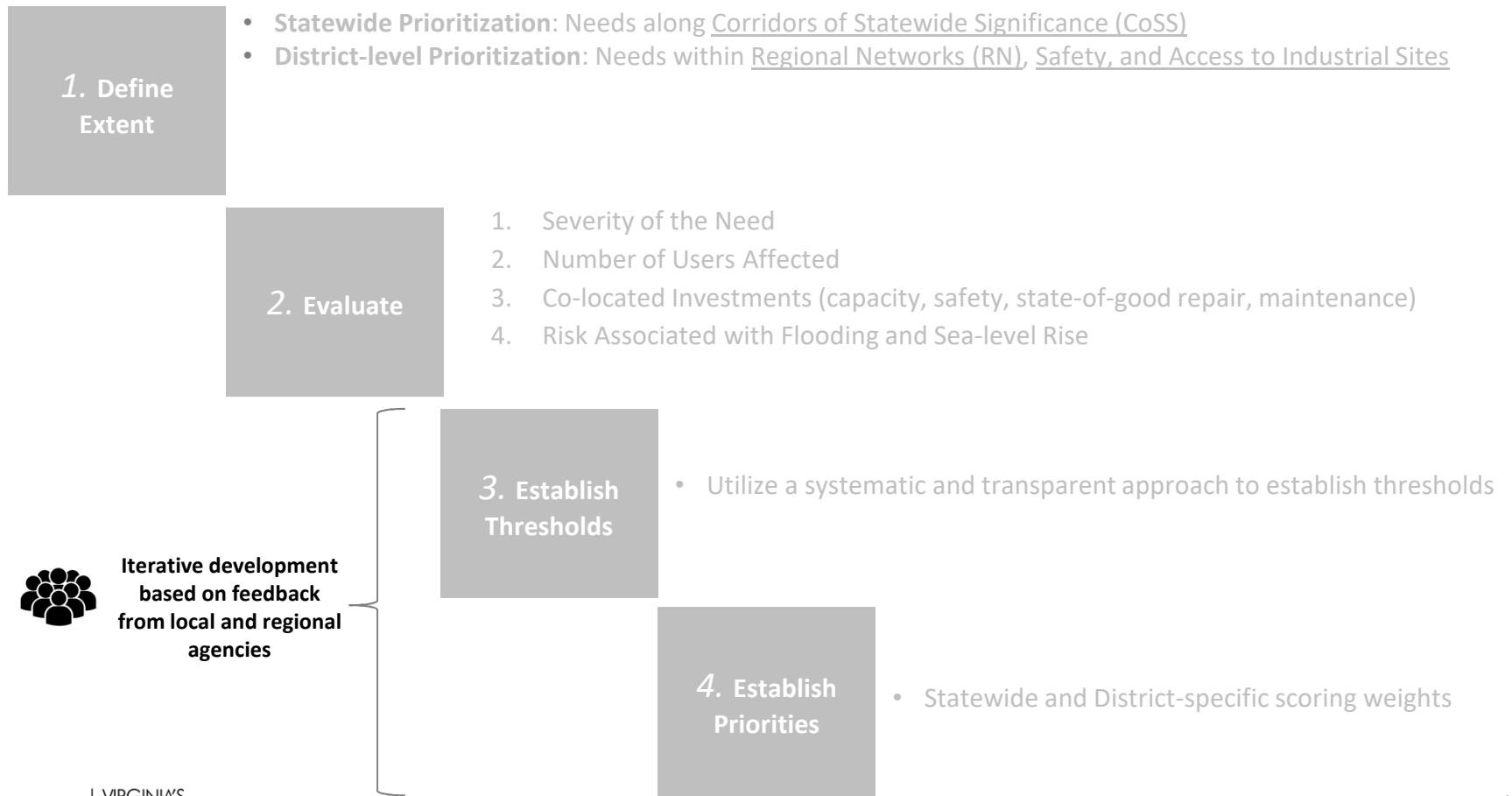
3. Establish
Thresholds

- Utilize a systematic and transparent approach to establish thresholds

4. Establish
Priorities

- Statewide and District-specific scoring weights

PRIORITIZATION OF VTRANS MID-TERM NEEDS | STEPS

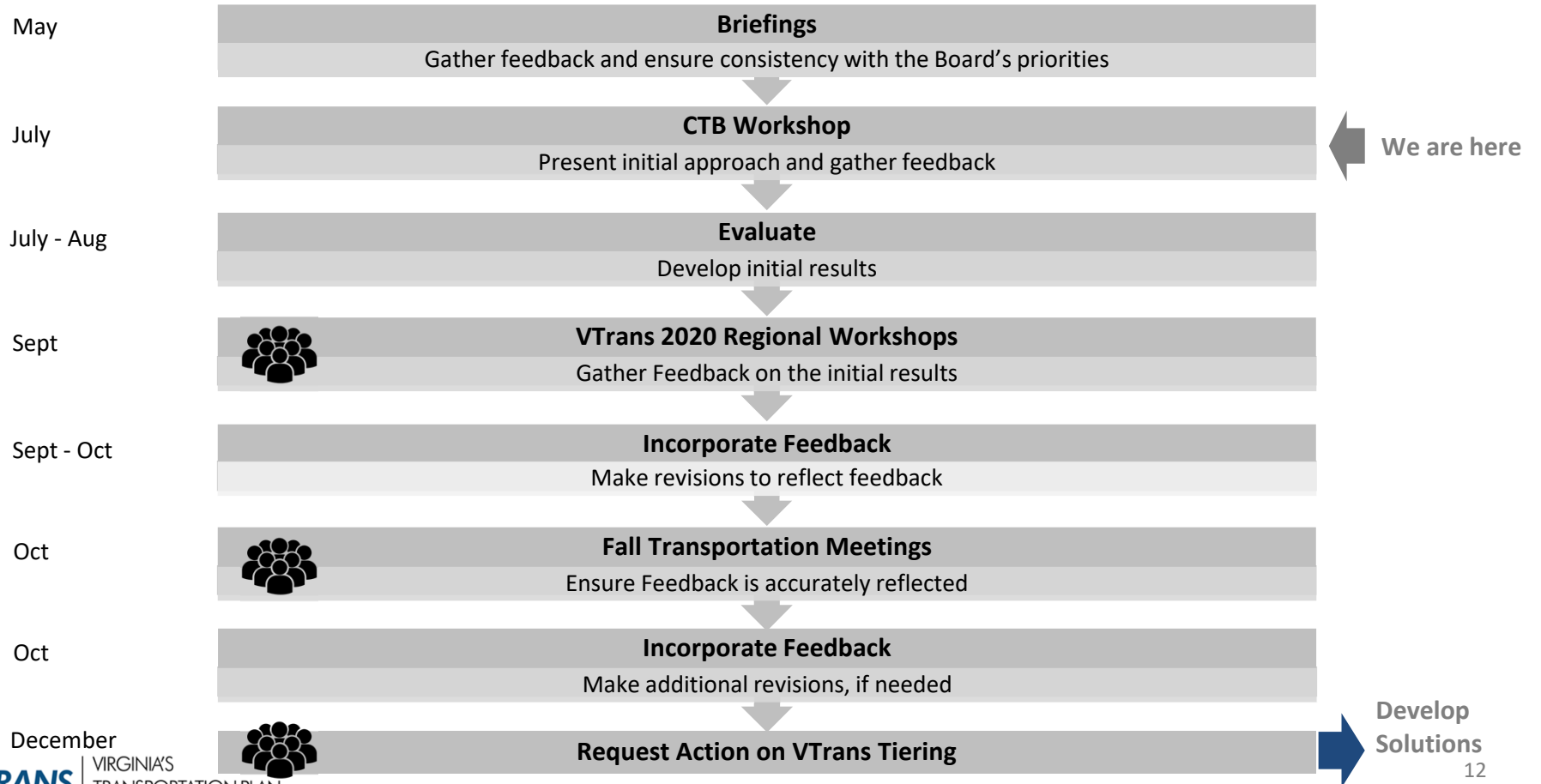


PRIORITIZATION OF VTRANS MID-TERM NEEDS | NEXT STEPS

- 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 | NEXT STEPS



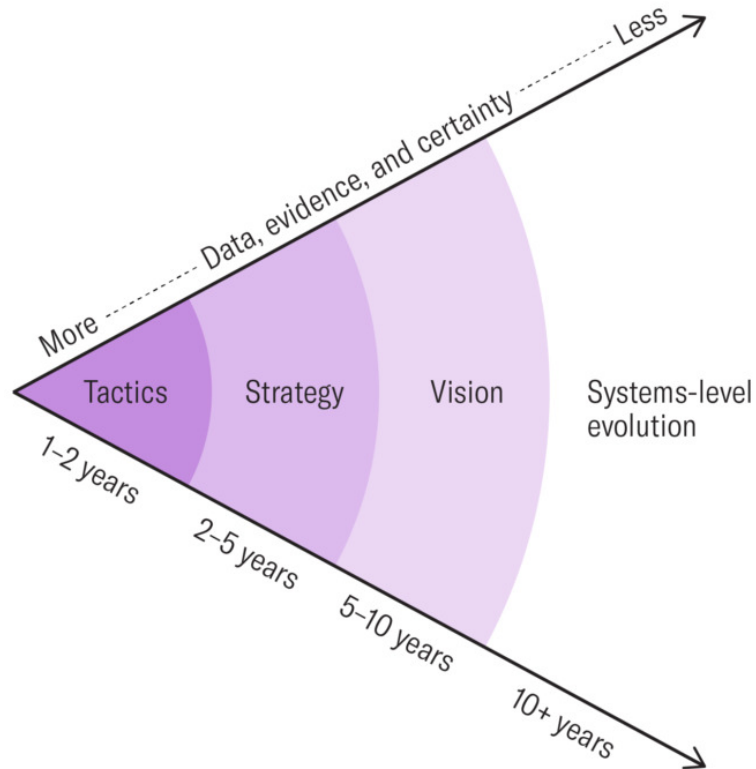


Identification of VTrans Long-term Needs

IDENTIFICATION OF LONG-TERM NEEDS | CONTEXT

- 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 | SIGNIFICANCE



“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....”

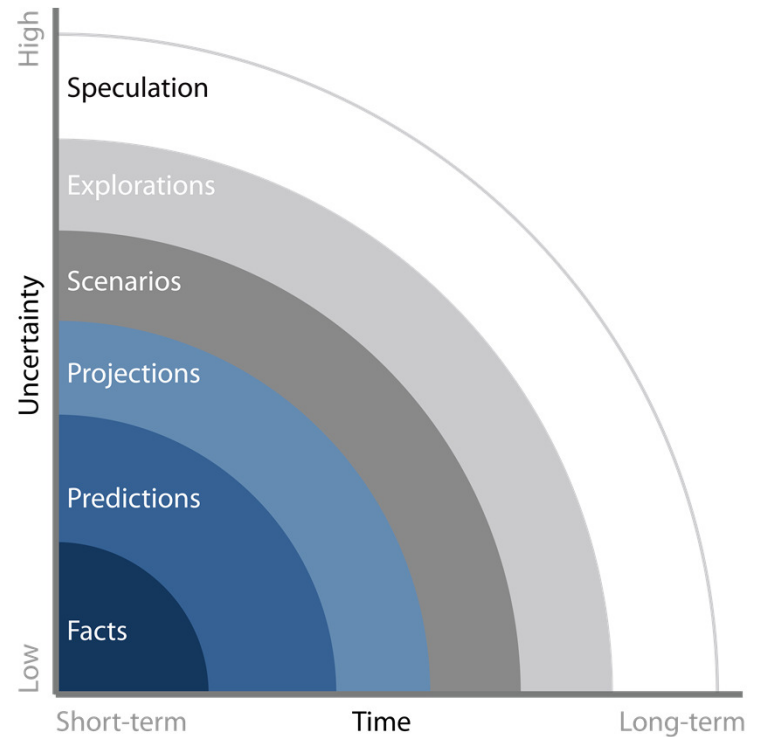
Amy Webb, [How to Do Strategic Planning Like a Futurist](#), July 30, 2019, Harvard Business Review

Source: Amy Webb, Future Today Institute

HBR

IDENTIFICATION OF LONG-TERM NEEDS | SIGNIFICANCE

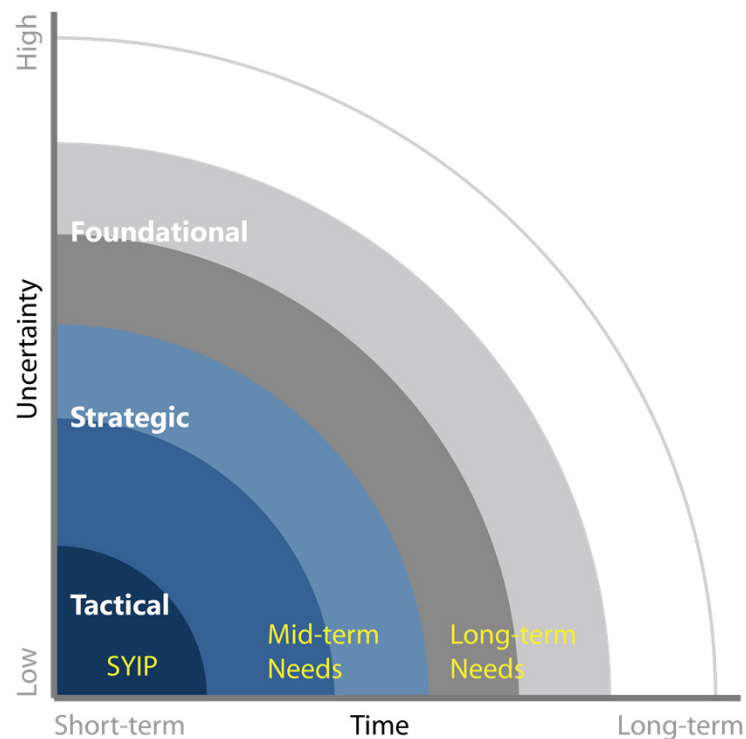
- **Long-term (10-25 years)**
 - Planning to prepare, not predict
 - Evaluate impact of the following external factors:
 - Technology trends
 - Vulnerability associated with flooding and sea-level rise
 - Economic trends
 - Demographic and land use trends
 - Develop three (3) scenarios and associated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



[From the Kick-off CTB Presentation of the VTrans Update, October 2018](#)

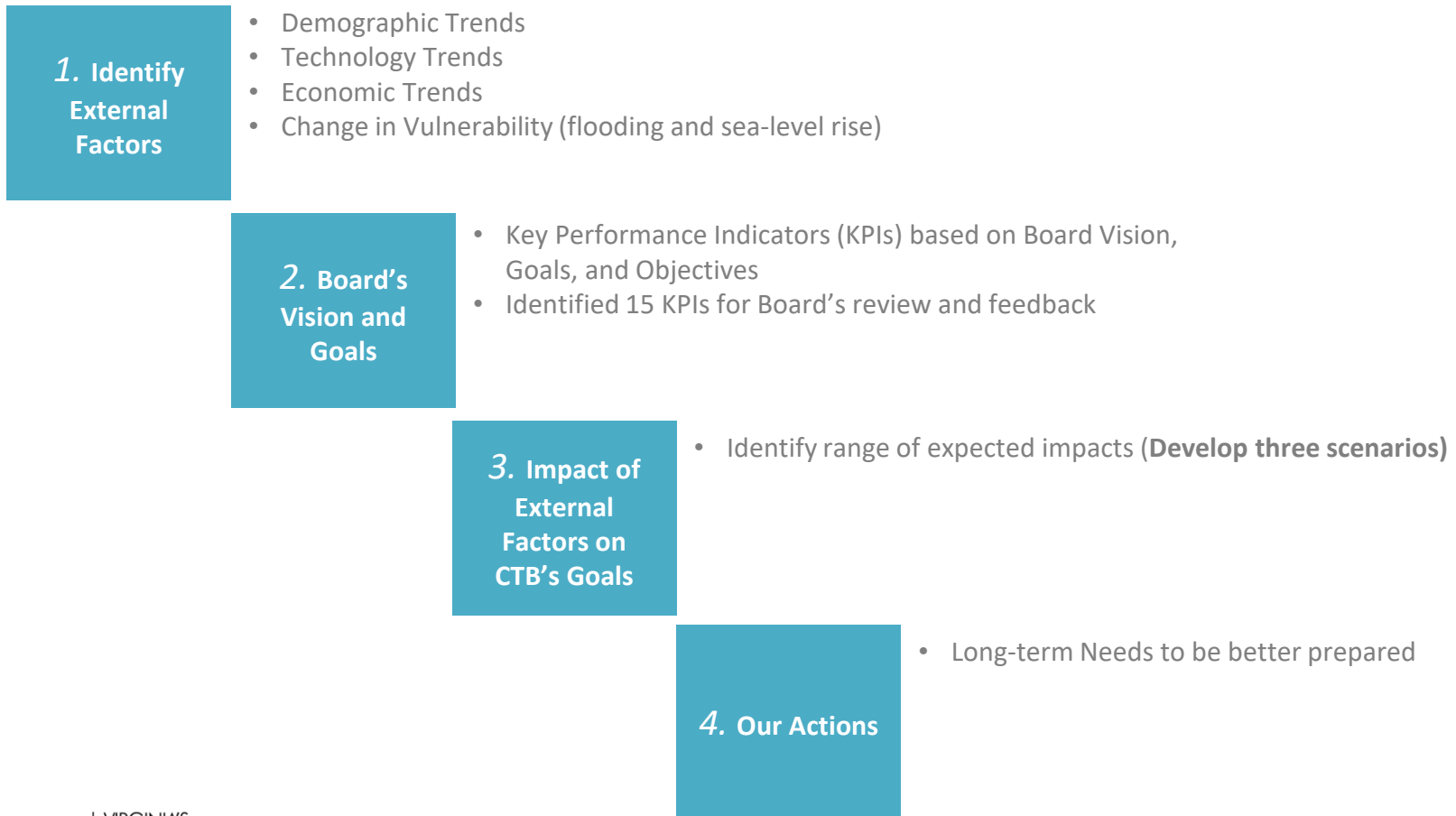
IDENTIFICATION OF LONG-TERM NEEDS | SIGNIFICANCE

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

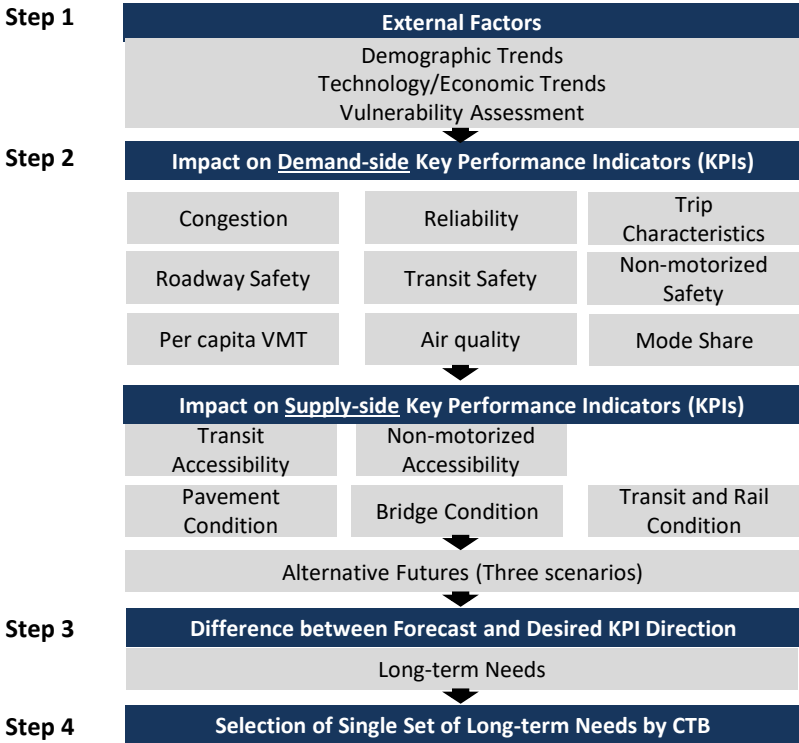


[From the Kick-off CTB Presentation of the VTrans Update, October 2018](#)

IDENTIFICATION OF LONG-TERM NEEDS | STEPS



IDENTIFICATION OF LONG-TERM NEEDS | STEPS



IDENTIFICATION OF LONG-TERM NEEDS | STEPS





Thank you