

VTrans:
Virginia's Statewide Multimodal Transportation Plan

Kick-off VTrans Update

CVMPO Technical Committee

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OUTLINE

- What is VTrans?
- Review of VTrans2040
- Kick-off of VTrans Update
 - Major components
 - Key modifications from VTrans2040
 - Expected outcomes
 - Tentative timeline
- Stakeholder Involvement



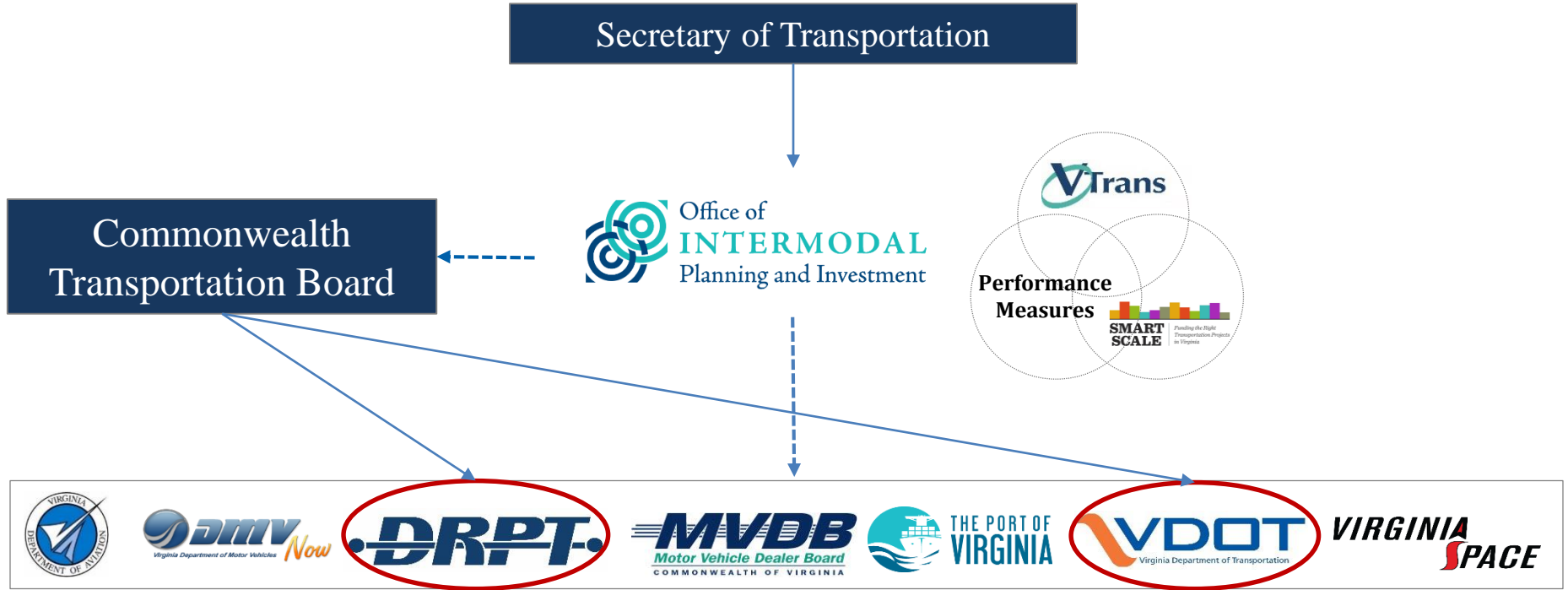


WHAT IS VTRANS?

- *VTrans* is Virginia's Multimodal Transportation Plan.
 - Provides a backdrop for consistent and coordinated performance-based transportation planning between federal, state, regional, and local agencies.
 - Performance-based, multimodal, long-range plan that is coordinated with MPO's and other stakeholders.
 - Includes a Needs Assessment
 - Updated at least every four years
 - *VTrans* has a statewide perspective and is not a compilation of local or regional plans



OIPI's ROLE in VTRANS



OIPI assists the Commonwealth Transportation Board in the Development of VTrans.



REVIEW OF VTRANS2040

- Vision, Goals, Objectives and Guiding Principles were approved by CTB in December 2015
 - Needs approved by CTB in December, 2015
 - Recommendations approved by CTB in January, 2018
- Implementation Plan went to CTB for review in November, 2018





REVIEW OF VTRANS2040

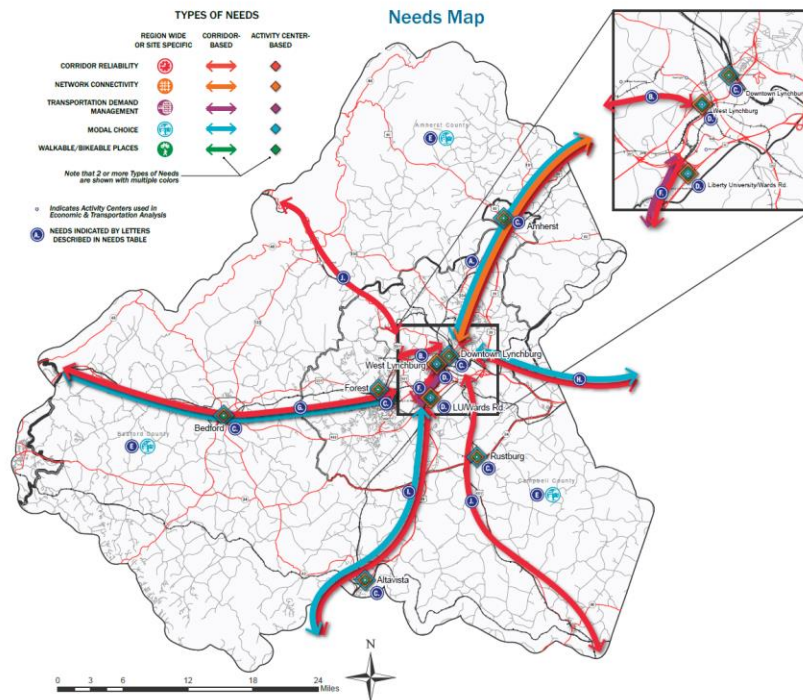
- Needs Assessment
 - Used a ten-year horizon
 - Identified needs by Travel Market:
 - Corridors of Statewide Significance
 - Regional Networks
 - Urban Development Areas (UDA's)
 - Safety (PSI's)
- Recommendations
 - Needs from the above categories were consolidated into one set of needs
 - Projects and studies were identified that could address those needs, and they were tiered (prioritized) based on analysis and local input





REVIEW OF VTRANS2040

- Regional Network Needs



A. Route 29 Modal Choice and Reliability

- NEED** (Red circle with 'R')
- TRANSPORTATION** (Red square with 'N')
- ECONOMIC** (Red circle with 'E')
- Route 29 serves key inter- and intra-regional travel markets for freight and passengers. Ensuring long term transportation reliability is paramount to regional economic success.
 - Route 29 serves major Knowledge- and Freight-based industries such as nuclear industries in the Lynchburg area and Local and education sectors, providing access to numerous activity centers, Madison Heights, the Lynchburg airport and Liberty University and other major employers.
 - Route 29 has intermittent delay issues along portions that are not bypasses. Additional passenger train and reliable freight rail service to inter-regional markets is vital to supporting the regional economy.

B. Lakeside Drive / Lynchburg Expressway Area

- NEED** (Red circle with 'R')
- TRANSPORTATION** (Red square with 'N')
- ECONOMIC** (Red circle with 'E')
- Lakeside Drive and Lynchburg Expressway are key connectors to support Knowledge based activity centers in Lynchburg such as colleges/university. They have reliability and bottleneck issues that should be addressed to aid in economic success.
 - Supports major local and knowledge based sector as an arterial serving the City Lynchburg while allowing for greater regional connection. Connects Lynchburg College, Liberty University and downtown Lynchburg which are crucial to the education sector.
 - Major connector between several activity centers. They have reliability and delay issues due to road geometry and volumes, particularly at interchanges/intersections.

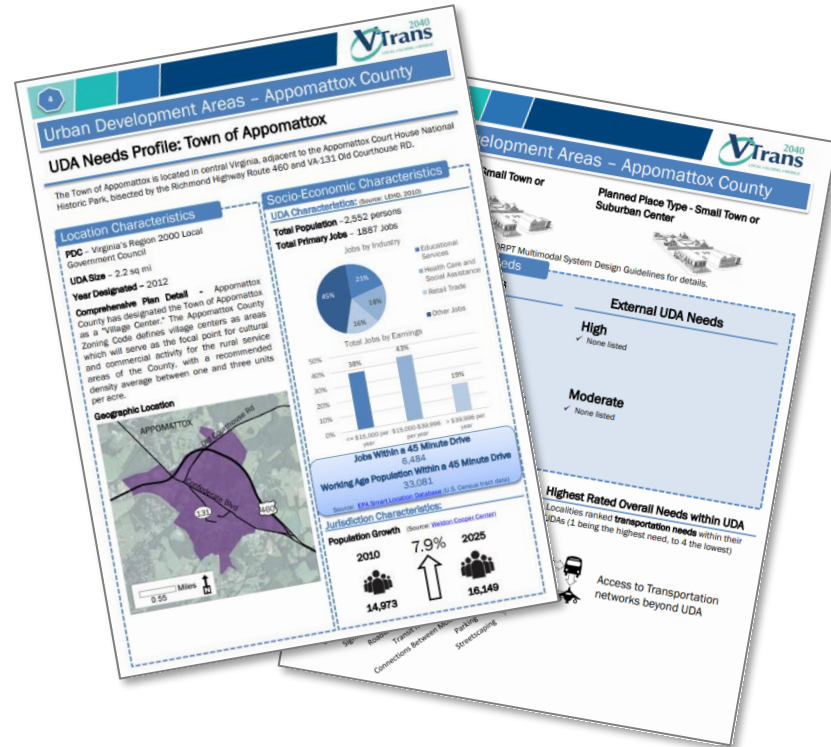
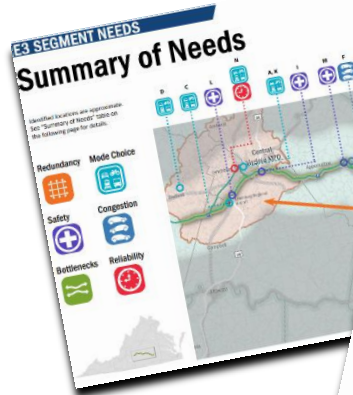
C. Walkability in Activity Centers

- NEED** (Green circle with 'W')
- TRANSPORTATION** (Green square with 'M')
- ECONOMIC** (Green circle with 'E')
- Improved walkable connections serve as placemaking infrastructure that attract the 21st century workforce. Enhance regional walk-ability and bikeability by making last mile connections to regional trails and key activity centers.
 - Enhancing walkable streetscapes has been shown to correlate to attracting workforce and building the economy, especially in the Knowledge sector. Downtown Lynchburg is seeing new workforce attracted to placemaking amenities such as walkable streets. Enhanced walkability is also needed in existing and emerging activity centers regionally
 - The region has several historic villages/towns with good walkable networks - need to connect these to regional trails and need to enhance walkability and bikeability in the emerging employment centers in the region.



REVIEW OF VTRANS2040

- CoSS and UDA Needs





REVIEW OF VTRANS2040

- Current Uses
 - Vision, Goals & Objectives, and Guiding Principles
 - Overall reference for transportation planning at the state, regional, and local level
 - Needs Assessment
 - SMART SCALE (Applications for SMART SCALE must show that they address one of more VTrans Needs in order to be screened in (move on to scoring))

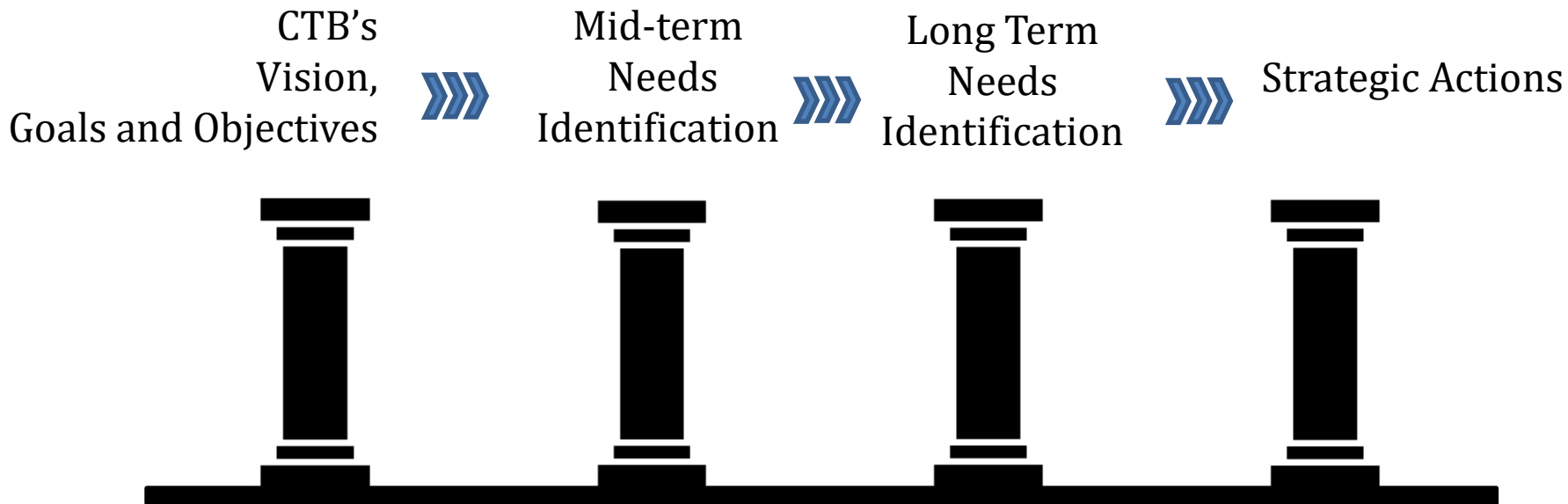


VTRANS UPDATE KICK-OFF

- Major components
- Key modifications from VTrans2040
- Expected outcomes
- Tentative timeline
- Stakeholder Involvement



MAJOR COMPONENTS





MAJOR COMPONENTS (Vision, Goals, and Objectives)

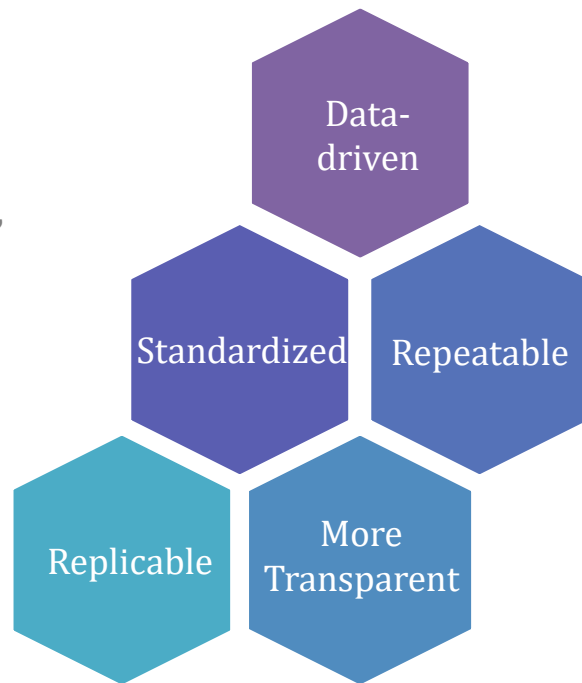
- CTB to review and reaffirm their overall direction for transportation planning & policy
- Vision to be informed by:
 - A public survey
 - Vulnerability assessment
 - Demographic and land use trends, opportunities, and challenges
 - Technology trends, opportunities, and challenges
 - Financial trends, opportunities, and challenges



MAJOR COMPONENTS (Mid-term Needs)

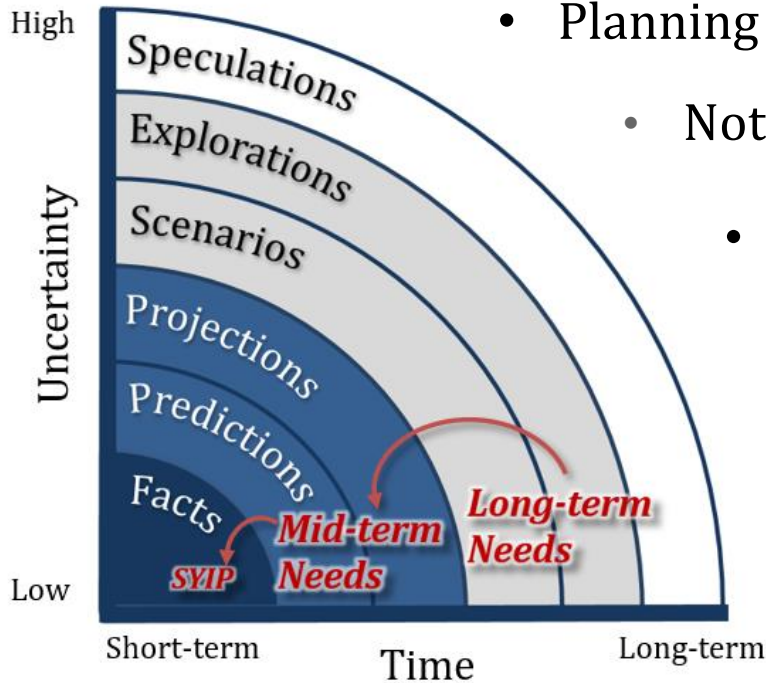
- Planning horizon: 0- 10 years
- **CTB to adopt a policy for needs identification**
 - Define “transportation need”
 - Review of VTrans need categories (e.g. CoSS, RN, UDA, Safety)
 - Utilize adopted Performance Targets, new measures or Key Performance Indicators (KPIs)
- **Adoption of the mid-term needs by December 2019**
 - Inform SMART SCALE Round 4

Ensure that methods are:





MAJOR COMPONENTS (Long-term Needs)



- Planning horizon: 10+ years
 - Not an attempt to predict, but to be prepared
 - Develop three scenarios, associated needs and revenue impacts
 - Establish connection between mid-term and long-term needs
 - **Finalize by 2020**



MAJOR COMPONENTS (Strategic Actions)



- Develop strategic actions for CTB consideration:
 - Policy options and recommendations
 - Priorities for project planning activities



KEY MODIFICATIONS



- VTrans Update aims to:
 - Identify challenges and opportunities associated with trends
 - Provide a more complete picture for transportation investments
 - Convey trade-offs and opportunity cost associated with policy options
 - Relative return on investments



KEY MODIFICATIONS

- VTrans Update aims to provide compelling, easy-to-communicate snapshot of existing and envisioned transportation in Virginia.
 - Convey economic benefits associated with transportation investments
 - Identify changes in economic output and productivity
 - Identify regional connectivity needs





THEMES (Key Modifications)



Image Source: USDOT

- Resilient Transportation Infrastructure
- Smart Transportation Infrastructure
- Smarter Investments

- Increase awareness among public and local agencies

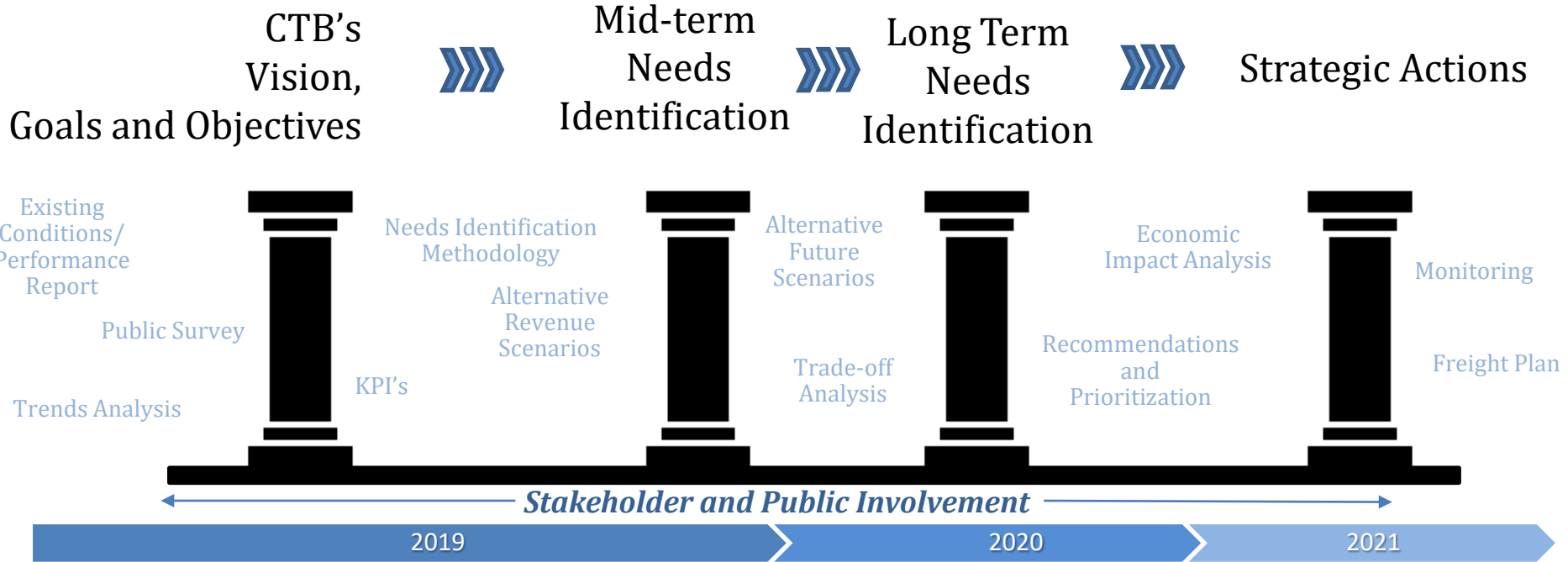


EXPECTED OUTCOMES

- Provide policy options for investment decisions to prepare for the future, such as:
 - Which transportation investments support desired growth and economic development
 - Opportunity costs associated with delaying or not pursuing certain investments
 - Possible technological changes and associated revenue impacts to prepare for
 - Planning considerations for making transportation infrastructure less vulnerable to extreme natural events



KEY MILESTONES





STAKEHOLDER INVOLVEMENT

- With MPOs and PDCs
 - Presentations at MPOs and PDCs throughout the Commonwealth
 - Fall/Winter 2018:
 - Kick-off/Approach
 - Spring 2019:
 - Review Existing Conditions & Trends (to inform Vision)
 - Review Economic Profiles
 - Discuss Needs Identification Methodology
 - Fall 2019:
 - Review Draft Mid-Term Needs
 - Informal updates and notifications
 - MPO-initiated discussions



STAKEHOLDER INVOLVEMENT

- With the Public
 - Spring 2019:
 - Statewide Survey to gauge opinions, attitude, and preferences towards transportation issues
 - Public meetings in all nine CTB districts
 - Continued involvement through Spring and Fall Transportation Meetings
 - Active online and social media presence