

Visualize 2045 Update Plan Document Development and Project Highlights

Stacy Cook, TPB Transportation Planner

TPB Technical Committee

Agenda Item 9

March 4, 2022



visualize
2045

A long-range
transportation plan
for the National
Capital Region

Flickr/Belvoir Hossein

Transportation Improvement Program

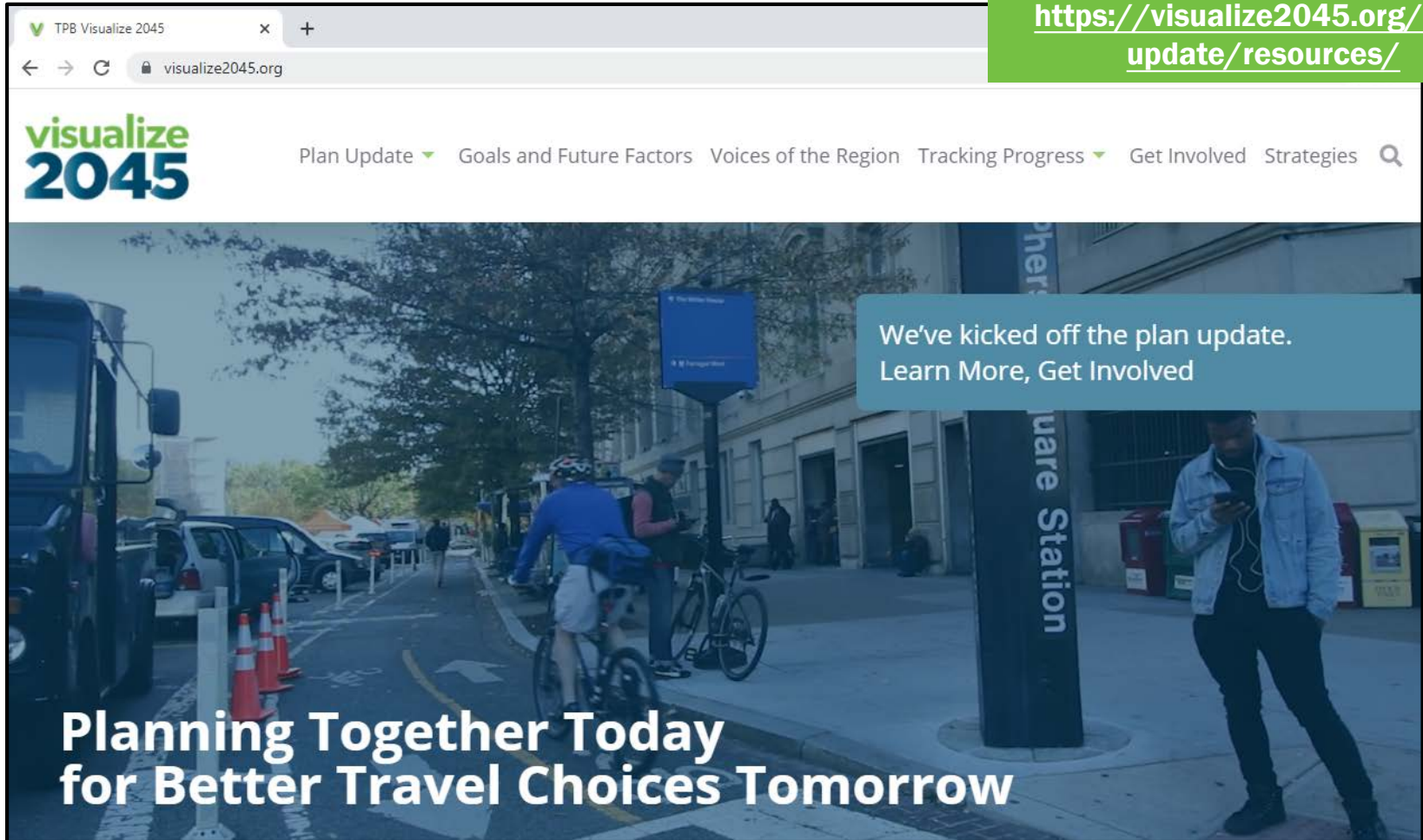
Reminder:

TIP Inputs/Updates due:
March 11 (*Next Friday!*)

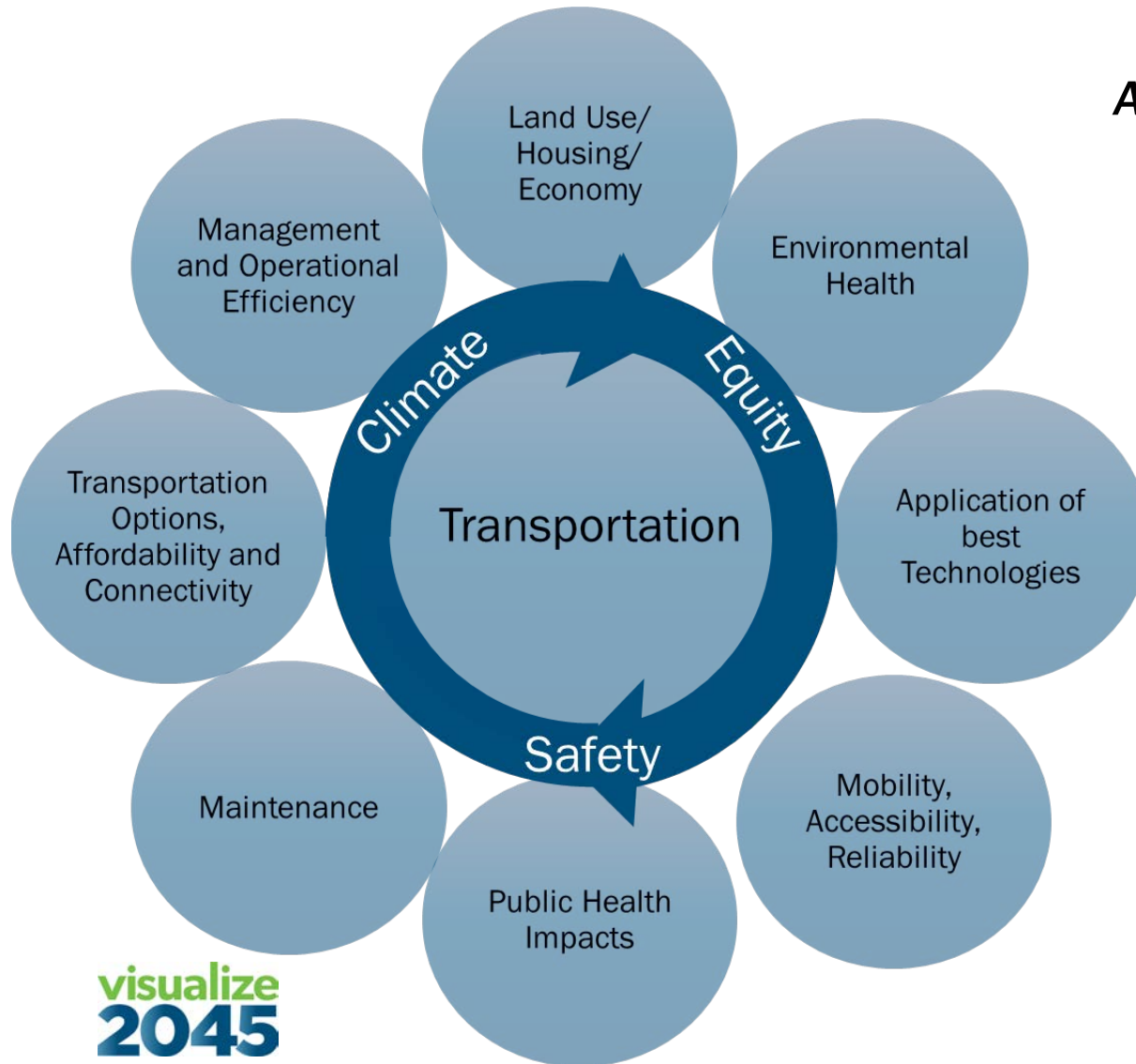
Regional policy questions
should be completed for any
new TIP projects.

Updated Visualize 2045 Website

Check out videos and graphics at:
<https://visualize2045.org/plan-update/resources/>

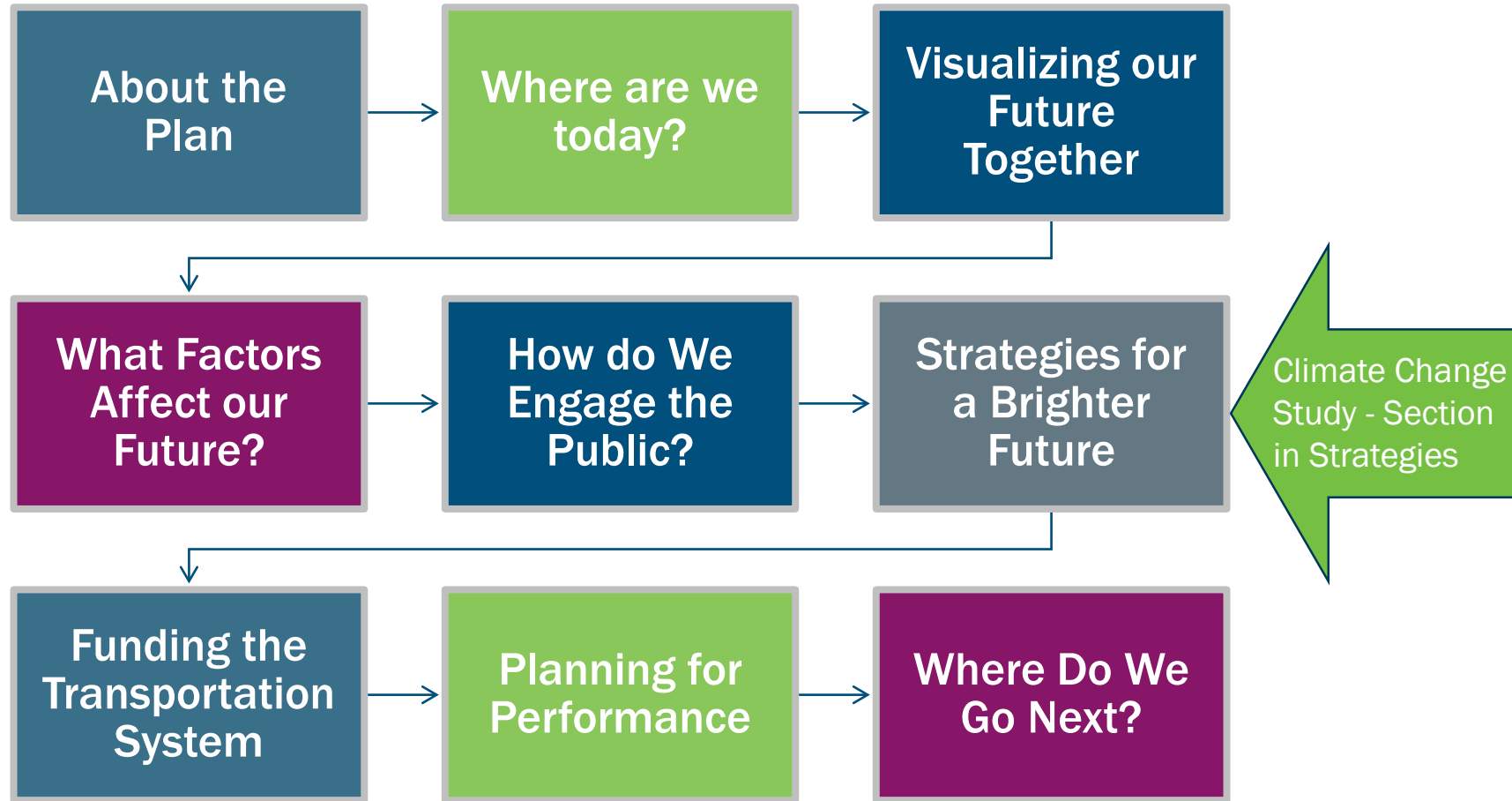


Plan Emphases: Safety, Equity, Climate



Applying an equity lens and an integrated planning approach as we work toward shared regional goals, with a renewed emphasis on safety and climate resilience.

Plan Organization



Highlights of What's New

Applies an 'equity lens' to plan content.

Process:
More information on the planning process:
How does regional planning work?

Public Engagement:
Integrates Voices of the Region findings

Planning Areas:
• Aspirational Initiatives
• transportation modes
• future /fed planning factors including climate (CCMS)/resiliency

Projects:
Integrates project sponsor responses to regional policy questions.

Federal Compliance:
Progress discussions for the PBPP and the new TPB performance measures.

And the plan maintains a continued focus on demonstrating federal compliance

Chapter 1: About the Plan

- About the TPB and planning process
- Purpose of the plan
- **How you can use this plan**
- **Planning process and roles** (including board and public)
- Plan development
- **How local projects fit into the plan**
- **Where to learn more about regional planning**
- Federal Requirements

How TPB goals are implemented - within and beyond the constrained element (aka: air quality analysis project list)

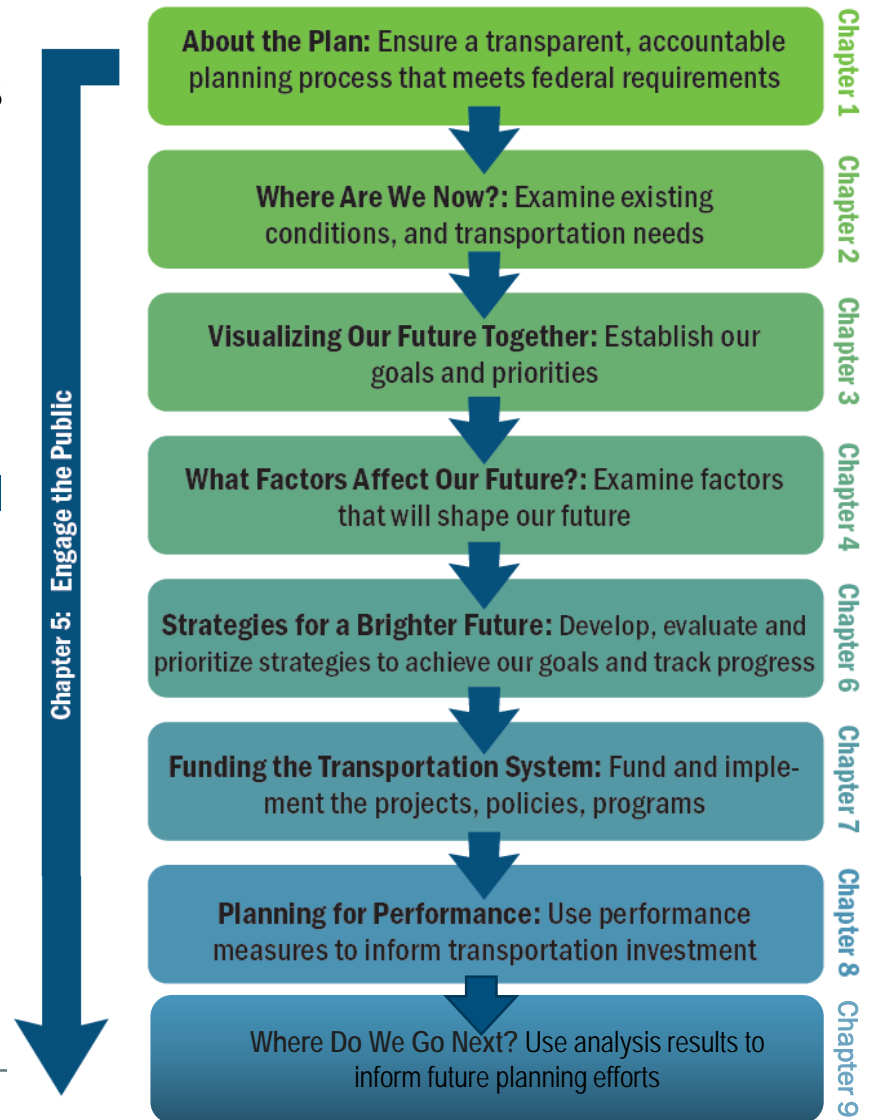


Table explaining the constrained element

Table 1.2: Implementing the TPB's Vision – Examples of Projects in and Beyond the Constrained Element of Visualize 2045

Project, Program, or Policy Type	Implementation
State of Good Repair	<p>In the Constrained Element: Taking care of the region's expansive existing transportation system is fundamental and ongoing. The L RTP must identify the maintenance and operations programs and funding required to keep the highway and transit systems in a state of good repair. An example project (component) is the replacement of the American Legion Bridge.</p>
Bicycle and Pedestrian Projects <ul style="list-style-type: none"> ASPIRATIONAL INITIATIVES: <ul style="list-style-type: none"> National Capital Trail Network (NCTN) Improve Bike/Walk Access to Transit 	<p>In the Constrained Element: Many bicycle and pedestrian projects are integral parts of larger roadway or transit projects that impact the capacity of the transportation system or receive federal funding and therefore are in the constrained element. Examples include the Grant Avenue Road Diet (CEID3375) and the side paths that Prince William County includes on the Virginia Route 28 widening project (CEID3219). Both projects complete segments of the NCTN.</p> <p>Beyond the Constrained Element: transportation agencies in the region implement many bicycle and pedestrian projects, many of which are documented in the TPB Bicycle and Pedestrian plan and in local plans. An example is the pedestrian HAWK signals installed in 2021 on Wisconsin</p>
Transit Lines, BRT, Bus Only Lanes, Bus and Metro Car Fleets, Metro Improvements <ul style="list-style-type: none"> ASPIRATIONAL INITIATIVES: <ul style="list-style-type: none"> Expand BRT and Transitways Move More People on Metrorail 	<p>In the Constrained Element: Examples include new and replacement transit vehicles, fare policies, new transit stations, and system expansion projects that add new lines and service. Converting a vehicular travel lane to a bus only or bus/bike lane would also be in the constrained element, such as the H & J bus lanes (3212). Illustrative studies may appear in the financial plan but would not be included in the Air Quality Conformity analysis.</p>
Expressways & Interstates, State Roads, Ramps <ul style="list-style-type: none"> ASPIRATIONAL INITIATIVE: <ul style="list-style-type: none"> Expand the Express Highway Network 	<p>In the Constrained Element: Projects and policies that change the capacity or function of major roadways are reflected in the constrained element. The MDOT I-270 Innovative Congestion Management project (T6-444) is an example.</p>
Local Roads and Local Intersection Improvements	<p>In the Constrained Element: Local roadway projects that impact the region's roadway capacity such as a new, expanded, or reduced roadways (road diets) must be included even if the project does not use federal funding. An example project is Riverside Parkway Extension (VA Route 7 North Collector Road, CEID3501), that is planned as a multimodal road and future transit corridor.</p> <p>Beyond the Constrained Element: Most local roadway projects do not impact the region's roadway capacity and do not use federal funding; therefore, they are not reflected in the constrained element.</p>
Land-Use Coordination <ul style="list-style-type: none"> ASPIRATIONAL INITIATIVE: <ul style="list-style-type: none"> Bring Jobs and Housing Closer Together 	<p>In the Constrained Element: Many transportation projects in the constrained element are designed to improve connections between housing and job centers. The AQC analysis must use approved population and forecasts for 2045, not aspirational targets.</p> <p>Beyond the Constrained Element: The planning and authority for the land-use aspect of the initiative, Bring Jobs and Housing Together, is within the purview of the planning agencies. Land-use projects, programs and policies are not reflected in the constrained element, but the TPB works closely with land-use planning partners as coordination is a critical transportation strategy.</p>
Travel Demand Management <ul style="list-style-type: none"> ASPIRATIONAL INITIATIVE: <ul style="list-style-type: none"> Provide More Telecommuting and Other Options for Commuting 	<p>In the Constrained Element: Many travel options represented by TDM, such as transit projects, or carpool lanes on expressways, are represented in the constrained element.</p> <p>Beyond the Constrained Element: Telework programs and teleworking amounts in the region impact the demand on the transportation system. These programs are not directly reflected in the constrained element of the L RTP.</p>


Chapter 2: Where Are We today?

- Provides regional context in which TPB and its members conduct planning for the region's transportation system
- Types of information:
 - Acknowledging COVID-19, equity, and climate change
 - Data
 - **Regional Travel Survey (RTS) findings**
 - **Demographics**
 - Existing and projected population and employment
 - **Cultural, social, and environmental data**
 - *Electric Vehicle Planning*
 - *EJ/Pollution proximity discussion /map*
 - *Importance of land cover*
 - **Input from Voices of the Region public outreach**

Voices of the Region
ON TRAVEL HABITS

The Voices of the Region survey gathered information on attitudes and behaviors related to how COVID-19 has affected their views on the region's transportation system and asked them to consider scenarios as occurring one year after the COVID-19 pandemic is over.

One year after the pandemic is over, 38% of respondents said they will probably have different travel habits, while 62% said they expected to go back to the same travel habits as before. Over half of those who expected their travel would be different said they would walk more than before the pandemic (53%).



38% Plan to have different travel habits post-pandemic.

62% Expect to resume same travel habits as pre-pandemic.

See more survey responses on the Visualize 2045 Voices of the Region webpage.

Chapter 3: Visualizing Our Future Together

TPB policy framework: regional vision/goals

- Highlights recent TPB equity, climate and safety resolutions
- Climate Goals
- Voices of the Region findings and quotes

Challenges

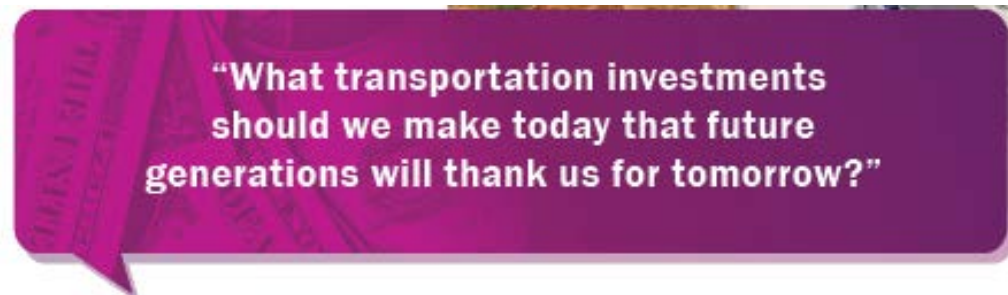
- How TPB goals align with the federal transportation National Goals
- Quotes from Board Members on TPB priorities

THINK REGIONALLY, ACT LOCALLY

The region comes together through the TPB to establish shared regional policy goals. Local jurisdictions and agencies take action and make progress on local and regional goals by funding and implementing projects, programs and policies that move our region forward.

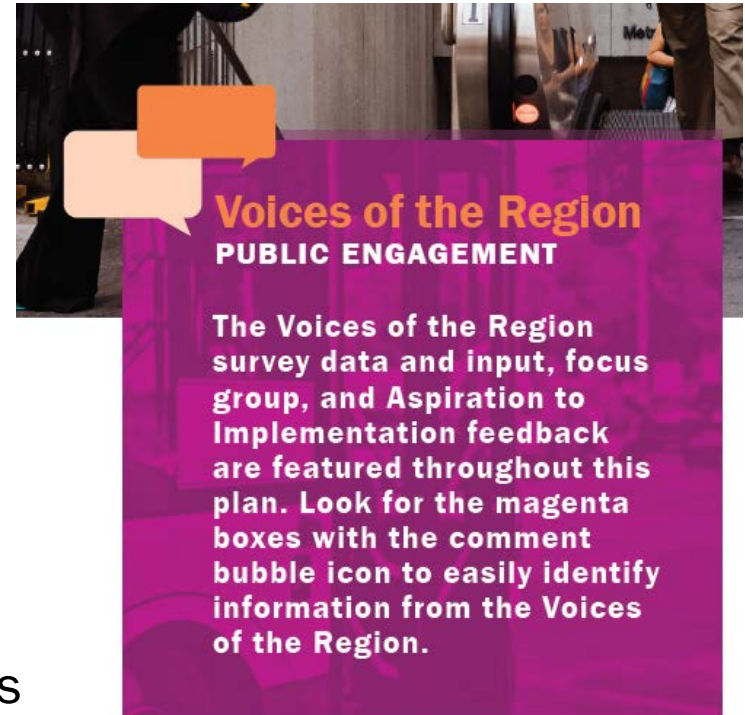
Chapter 4: What Factors Affect our Future?

- A new chapter that highlights emerging and significant planning factors to consider when planning* include:
 - Equity
 - Climate change and the environment
 - Safety
 - Emerging technologies
 - Public health
 - Land use, population, and the economy
 - Funding
- **Voices of the Region public input**



Chapter 5: How Do We Engage the Public?

- This chapter provides information on:
 - Why the TPB engages the public
 - Federal requirements
 - **How the TPB engages the public:**
 - E.g., Voices of the Region: Survey Focus Groups and Aspiration to Implementation, comment periods – look for a **Story Map** on this soon!
- There will be an appendix that documents how the plan process has followed the TPB’s public participation process. The TPB has published separate reports for the Voices of the Region Survey, Focus Groups, and Aspiration to Implementation event.



Chapter 6: Strategies for a Brighter Future



WHAT IS A STRATEGY?

A strategy is a way to achieve a goal.

Designed to communicate all planning areas and priority strategies in 3 main sections:

1. Aspirational Initiatives
2. Transportation Options
3. Strategies to Address the Future Factors and **Federal Planning Factors** – includes a full climate change section

Chapter 6: Strategies for a Brighter Future

Transportation Options:

- TDM
- Bike/Ped/Micromobility
- Transit (new) including Intercity bus
- Driving and Riding (new)
- Airport Systems

Future Factors/Federal Planning Factors

- Equity and Inclusion
- Coordinated Human Transportation Services Plan
- **Climate Change Mitigation and Resiliency**
- Environmental Consultation and Mitigation
- Safety
- Land-Use (including affordability and HCT/EEA planning)
- Freight
- Funding
- **Public Health**
- Management and Operations
- Emerging Technology/**CAV**
- Emergency Preparedness and Transportation Security
- Travel and Tourism

Equity considerations and planning discussed in each section

Chapter 6: Strategies for a Brighter Future

- Voices of the Region public input
- ‘Visualize the Future’ sections enhanced to track progress and provide examples from the regional policy documentation submitted by sponsoring agencies
- ‘Policy Context’ call-outs

The Policy Context	draft
Impact of the Aspirational Initiatives	RTPP Goals
<p>Expanding BRT and transitways throughout the region with improved bicycle and pedestrian connections would provide more people access to High-Capacity Transit and additional connectivity to destinations throughout the region, including making existing and future intercity bus stations more accessible for all. Expanding Metrorail core capacity would provide logistical ease and comfort for those traveling by Metrorail to and from the region’s numerous destinations served by Metrorail, including intercity bus stations.</p>	<ul style="list-style-type: none">• Promote a strong regional economy, including a healthy regional core and dynamic Activity Centers.• Support inter-regional and international travel and commerce.
Planning Factors	
<ul style="list-style-type: none">• Enhance travel and tourism.• Increase the accessibility and mobility of people and for freight.• Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight.	

Chapter 6: Strategies for a Brighter Future

- **Visualize the Future Sections (provided for each planning area)**
 - For each project submitted to the plan, the project sponsors indicated how the project helps to advance TPB's goals, by identifying if each project enhances, promotes, or supports each transportation option, planning area, and federal planning factor.
 - The TPB summarizes these responses that correspond to each planning area and provides examples of projects that advance the planning area and in the 'Visualize the Future' sections for each topic in this chapter.

Visualize the Future Sections: Example

- Draft example:
 - *The sponsors for the projects in the constrained element identified 277 that respond to the federal safety planning factor, and 188 projects that significantly reduce fatalities or injuries among motorists, transit users, pedestrians, and/or bicyclists. In some cases, these may be safety-specific projects, other projects may include elements that enhance safety. For example, in Maryland the MD 97 at MD 28 grade-separated interchange (CE1211) will contribute to a reduction in travel time, support the use multiple modal options, and enhance safety. draft*

Chapter 7: Funding the Transportation System

- Regional funding
- Background on project development and funding categories
- Financial plan summary
- Constrained element (project list) summary
 - Aspirational Initiatives implemented through the constrained element
 - Summary (providing a count) of the project sponsor responses to federal/regional policy questions



Goal 2: Promote a Strong Regional Economy, Including a Healthy Regional Core and Dynamic Activity Centers

The region's economy is supported largely by the economic activity that occurs in major housing and job centers, known as Activity Centers. Strengthening these areas, including the regional core, and connecting them with good transportation options bolsters the economy. It allows us

to grow and use land more wisely, and creates numerous opportunities to move people and goods more efficiently and with a lower carbon footprint.

Respondents for each of the projects were asked about the project area and overlap with Activity Centers and Equity Emphasis Areas (EEAs), which areas with significant concentrations of low-income, minority populations or both.



Table 7.2: Goal 2 - Project Sponsor Responses



Note: the performance analysis has moved to Chapter 8, Planning for Performance

Chapter 8: Planning for Performance

- Performance Overview
 - Performance-Based Planning and Programming: **data trends and progress**
 - Congestion Management Process
 - Air Quality Conformity Analysis results
 - GHG and land use measures
 - Systems Performance Analysis of the constrained element of the LRTP
 - **New systems performance measures**

Table 8.5: Regional Transit Asset Management Targets for Revenue Vehicles, 2020 (Source: Transportation Planning Board)

Percentage of Revenue Vehicles that Have Met or Exceeded Useful Life Benchmark	Regional Assets Total	Regional Target
Articulated Bus	91	4.8%
Auto	34	0.0%
Over-the-Road Bus	169	23.4%
Bus	2709	5.0%
Cutaway Bus	84	6.8%
Heavy Rail Passenger Car	1200	0.0%
Light Rail Vehicle	6	0.0%
Commuter Rail Locomotive	20	0.0%
Commuter Rail Passenger Coach	100	0.0%
Van	844	10.6%
Revenue Vehicle Totals	5257	

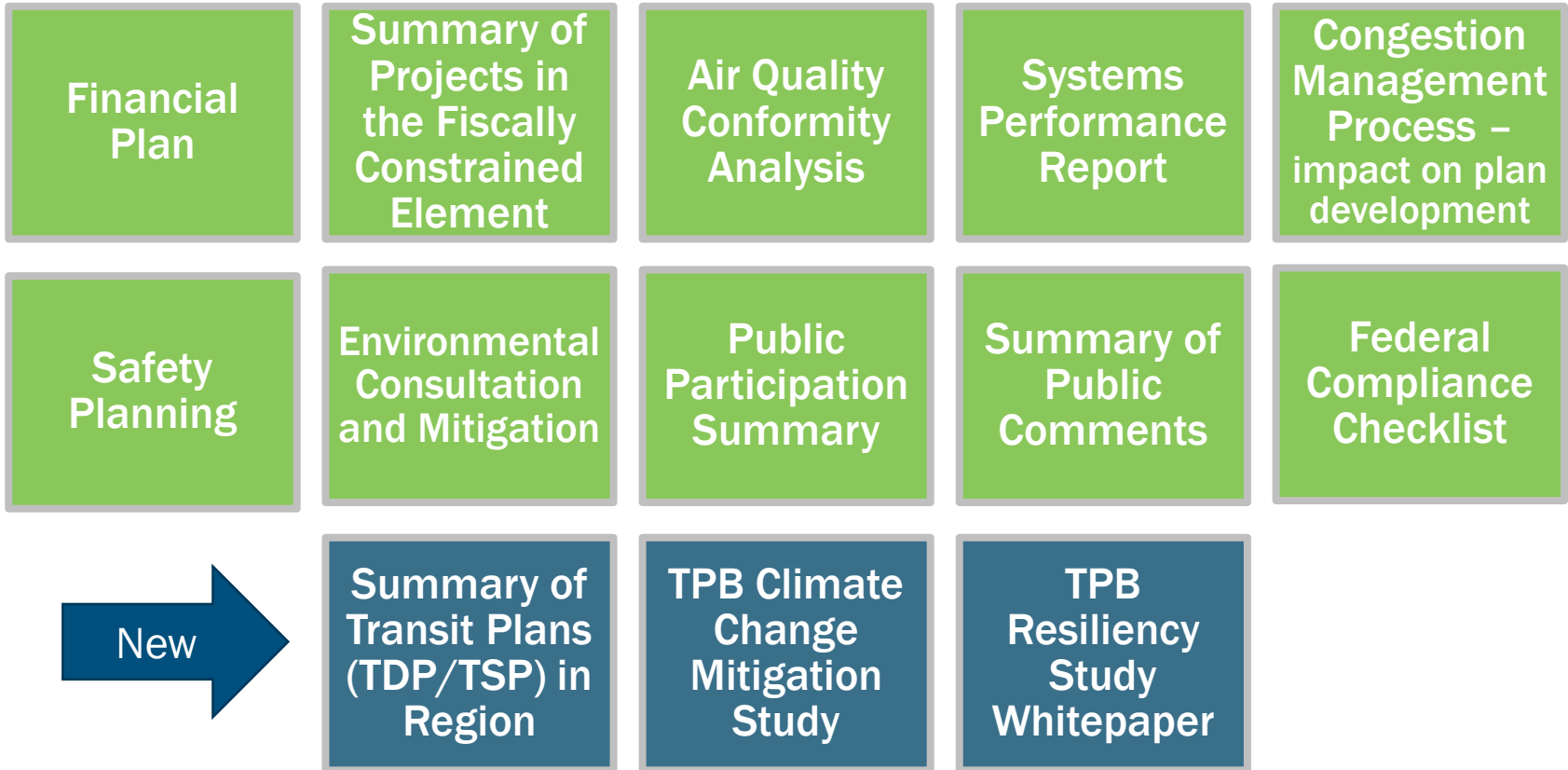
draft

Chapter 9: Where Do We Go Next?

- This chapter will:
 1. wrap up the plan
 2. discuss findings from the climate change study
 3. discuss findings from the air quality and system performance analyses
 4. discuss planning and strategies towards 2045



Plan Appendices and Reports



Next Steps

- Now thru March 2022:
 - Complete draft plan and appendices:
 - Finalize air quality conformity and system performance analyses – document in plan/appendixes
 - Draft “Where Do We Go Next,” Chapter 9, based on analysis findings
- April 1, 2022:
 - Begin 30-day Public Comment Period on the Air Quality Conformity Analysis and the plan
 - Board work session
- May 2022
 - Staff present public comment summary at TPB meeting
 - Board discusses climate change considerations for endorsement
 - Staff add to plan ‘placeholder page’ any newly endorsed transportation-specific goal or by Board
- June 2022 TPB meeting:
 - Staff recommendation for approval of the update to Visualize 2045

Getting the word out – Visualize 2045

- Ambassador Kit that includes talking points, sample email/web posts, sample social media posts
- Postcards advertising the two virtual open houses, transportation funding (TIP) forum, and opportunity for comment
- Email announcements: TPB News and stand-alone announcement for Visualize 2045 comment period
- Comment opportunities: Phone line, email, web form, USPS mail
- Fact sheet for board members with key information about the plan
- Social media posts (share, retweet, etc.)
- News release and newspaper ads

Stacy Cook

TPB Transportation Planner
scook@mwkog.org

mwkog.org/TPB

Metropolitan Washington
Council of Governments

777 North Capitol Street NE,
Suite 300

Washington, DC 20002