



L RTP Scenario Planning and Needs Assessment Update

Technical Committee

April 1, 2025



Scenario Planning

Purpose, Process, Desired Outcomes

Purpose:

- Build BRTB's capacity for exploring and selecting policy actions to address transportation issues that are 1) pressing and 2) difficult to predict.

Process:

- Develop and evaluate alternative future scenarios using three key tools
 - VisionEval (VE) strategic planning model
 - InSITE (activity-based travel forecasting model)
 - GIS-based spatial analyses
- Discern implications, risks, and opportunities
 - Transportation investments
 - Policy priorities

Desired Outcomes:

- Identify potential refinements to 2027 LRTP goals, investment policies, and project prioritization and scoring criteria.

Project Schedule

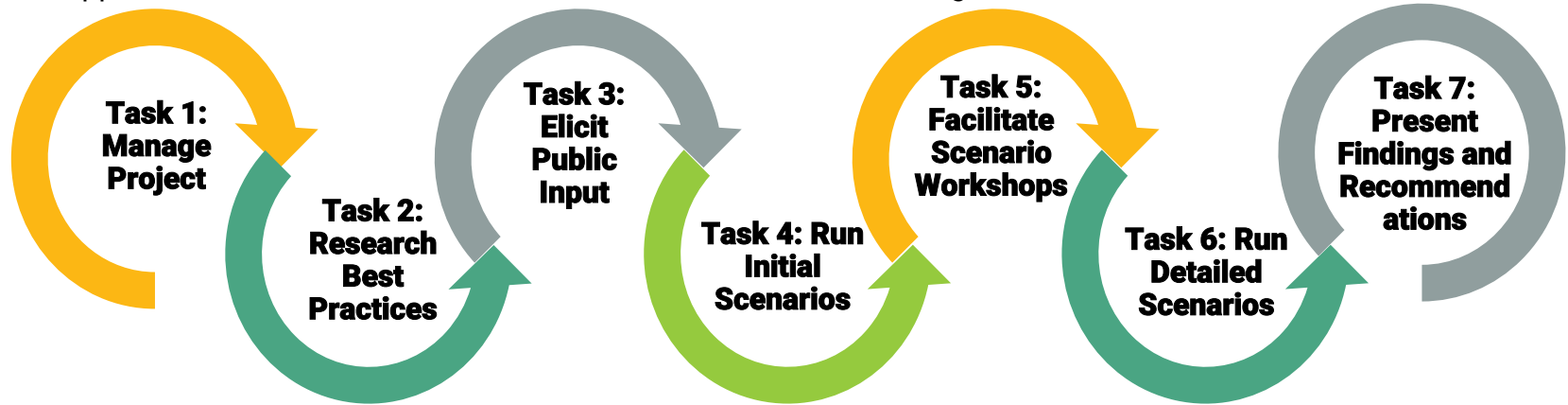
Oct	Nov – Dec – Jan - Feb	Apr - June	Jul-Aug
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- Refine the overall work plan
- Conduct bi-weekly check-in meetings to affirm / adjust approach

- Design and implement public survey
- **Finalize scenario drivers and performance measures**

- Explore tradeoffs and affirm priorities with stakeholders
- Refine scenarios based on workshop insights

- Recommend refinements to LRTP policies and next steps



- Design analysis framework based on lessons learned from peer agencies
- Identify potential scenario drivers and performance measures

- **Run initial scenarios with VE and spatial data**
- Identify potential policy implications, risks, opportunities

- Run refined scenarios with VE and InSITE
- Discern policy implications, risks, opportunities

Scenario Inputs: Drivers and Elements

Policy Lever Drivers

External Force Drivers



1 *Level 1= 2050 Long Range Transportation Plan*

scenario levels

2	Transit RvM +25% Transit Freq +25% Bike/Walk +25% Comp St +1%	Housing +90k Transit Distribution	Gas Tax 50% VMT Tax 5¢	Jobs +5% Income +5%	EV fleet 100% EV charging 80%	Inundation Map Overlay Vulnerable Populations Map Overlay
3	Transit RvM +35% Transit Freq +35% Bike/walk +50% Comp St +2%	Housing +90k Job Distribution	Gas Tax 100% VMT Tax 10¢	Jobs +10% Income +10%	CarShr Svc High CarShr Cost 2% CarShr Appeal 25%	
4	TSMO +50% TDM +50%	Housing +90k Transit + Job Distribution	Gas Tax 50% VMT Tax 5¢ Parking Fee +25% Cong. Fee 50¢		Telework +50%	
5	TSMO +50% Roadway +10%	Housing +90k Reflects LRTP Distribution			Shared AV: High	

How does VisionEval conduct the Modeling?

- Choosing 1 level from each category yields 1 scenario bundle to be modeled
- VisionEval is used to model every possible combination across project categories:
 - Transportation Investments = 5 levels (“scenarios”)
 - Housing and Demographics = 5 levels
 - Fees and Incentives = 4 levels
 - Economy = 3 levels
 - Technology = 5 levels
- Total Model Runs = $5 \times 5 \times 4 \times 3 \times 5 = 1500$
- Can see which scenarios make the most difference, which make little difference, and tradeoffs between them

Project Schedule

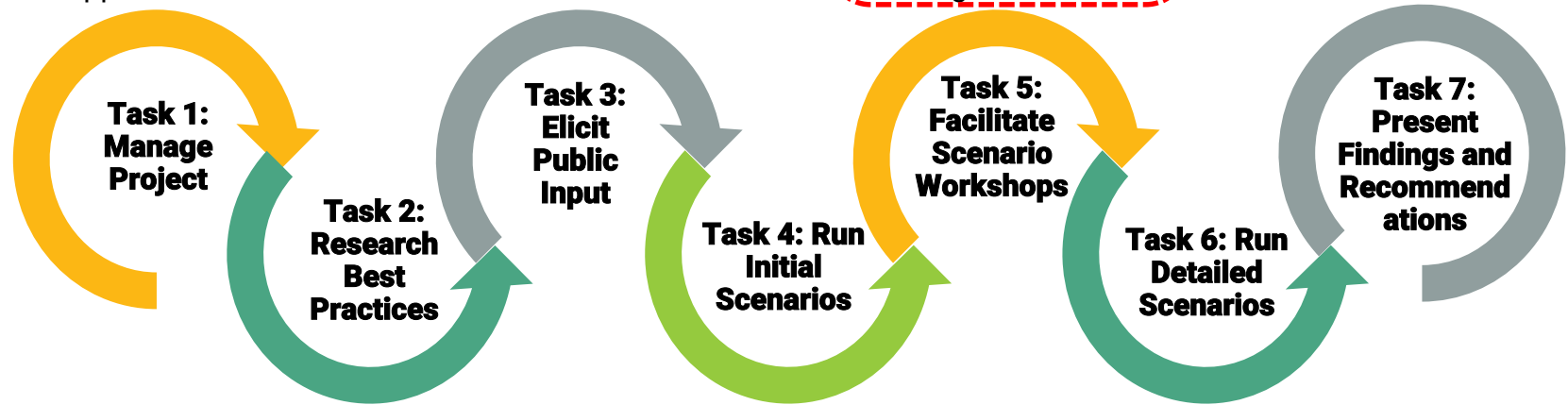
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Transportation Needs Assessment

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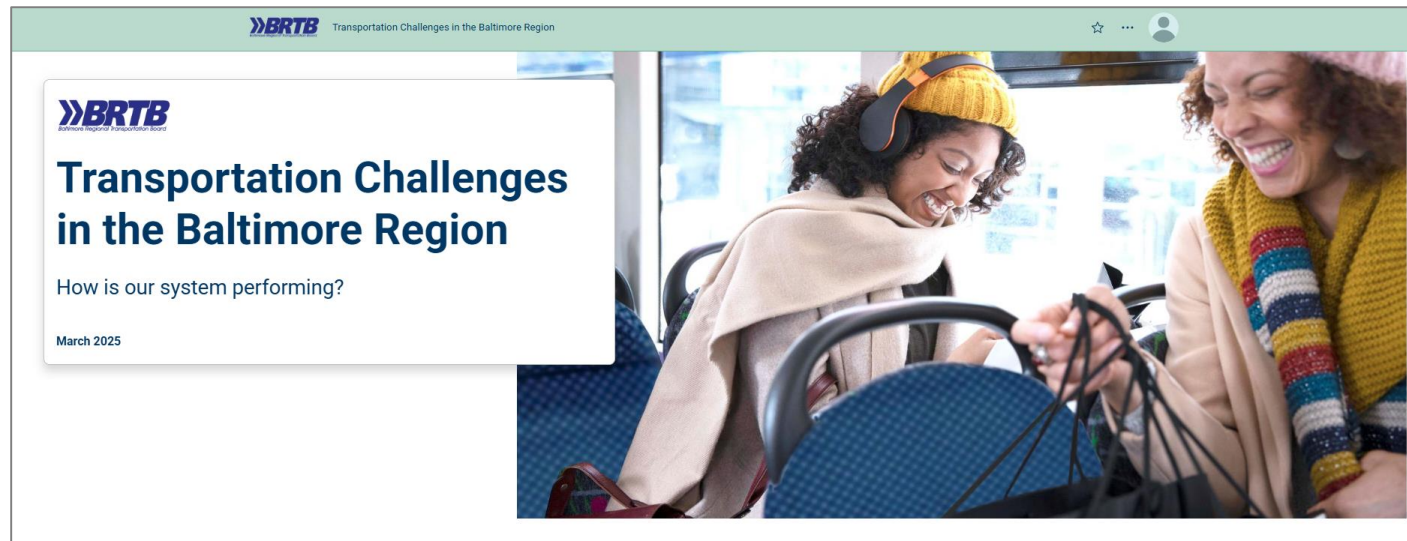
Project Purpose:

- Gather information on transportation needs from a transportation user's perspective
- Help the BRTB to plan for a more inclusive and responsive system
- Needs assessed in relation to existing LRTP goals and will inform 2027 LRTP goals and strategies



Existing Conditions Storymap

- Public-facing tool intended as a baseline for communicating who lives in the Baltimore region, how they travel, and how the network is performing in relation to LRTP goals:
 - Accessibility and Mobility
 - Safety
 - Economic Prosperity
 - Infrastructure Condition
 - Resilience to extreme weather



Survey and Focus Groups

- The Survey is open through April 4. Please share with your networks: PublicInput.com/GettingThere
- Focuses on transportation needs, challenges and investment priorities in context of LRTP goals
- 500+ responses thus far
- Advertised through direct outreach at events, social media, targeted emails, and 8,000 mailers
- Survey used as recruiting tool for focus groups

Getting There: Your Transportation Story



Take our survey by **April 4th**
Enter for a chance to win a **\$100 gift card!**
Visit PublicInput.com/GettingThere



Tell us what's working, what's not, and what needs to change!

Next Steps

- Analyze results to identify primary transportation needs, cause(s) for needs, and investment priorities
- Identify performance metrics to track and gauge progress in addressing identified needs
- Identify improvements to the LRTP, including revisions to goals and strategies, policy recommendations for addressing needs and suggested improvements to project prioritization
- Wrap up project in July

For More Information

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