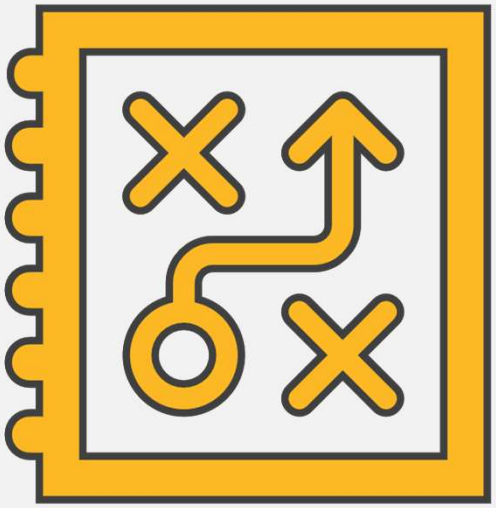


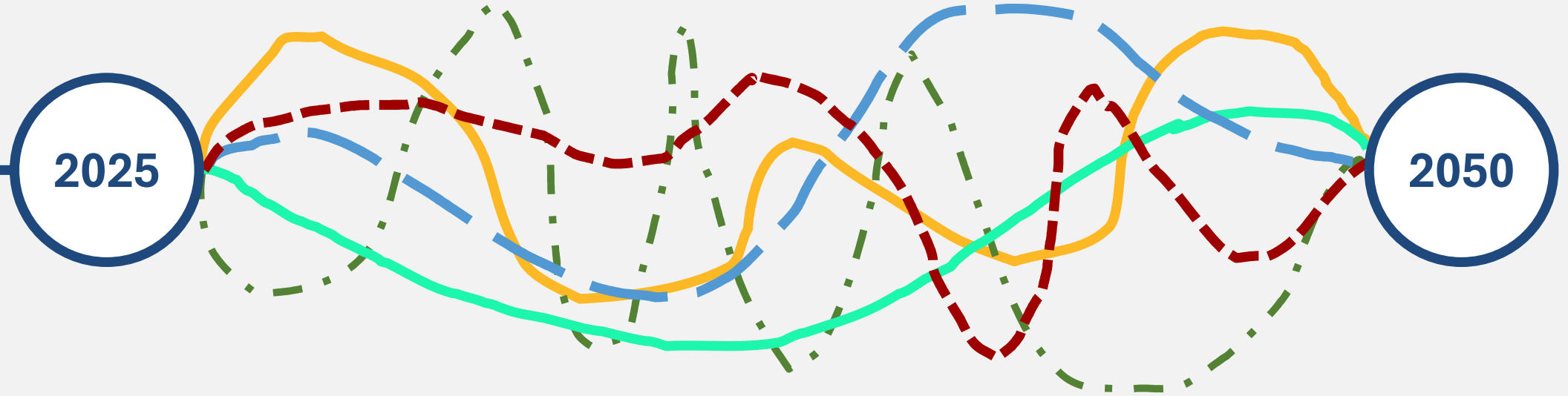
Navigating the Future

Scenario Planning for Resilient Transportation in York County

GoYork2050

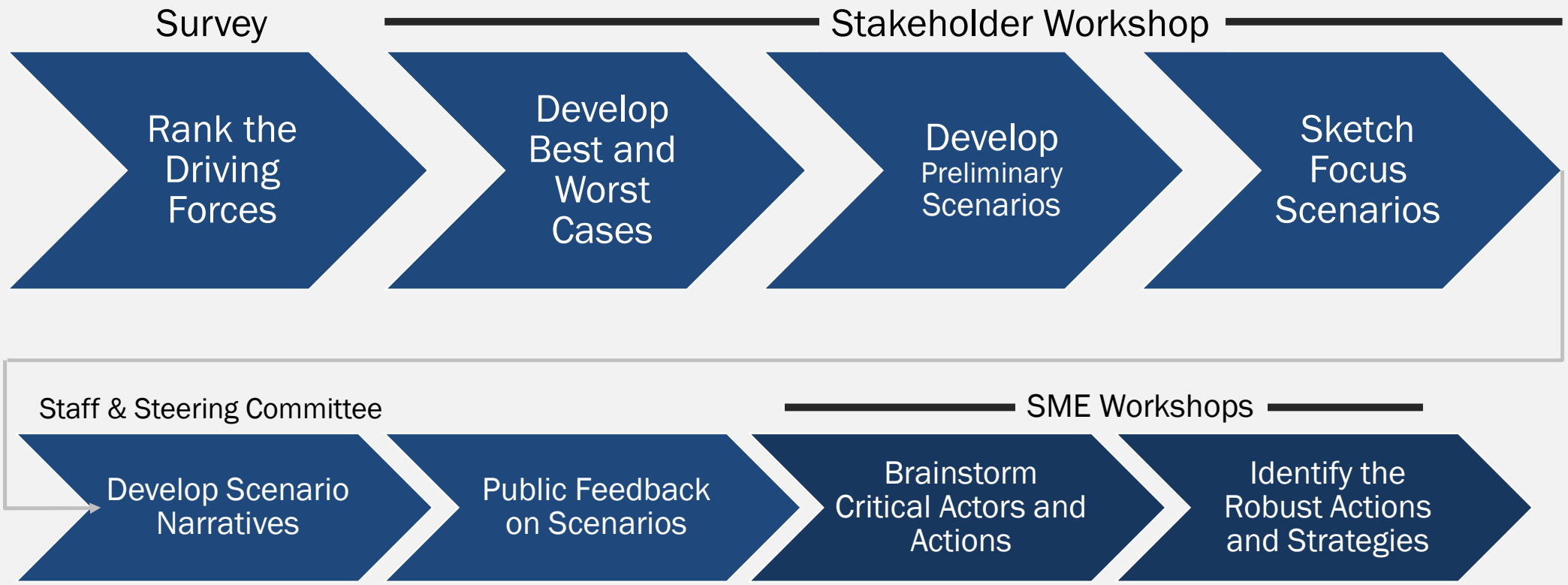
YORK COUNTY'S LONG-RANGE TRANSPORTATION PLAN

2025
2050


2025
2050

Scenario planning is building stories about different possible futures **and preparing for all of them.**

Our scenario planning process



Our critical uncertainties

SOCIETAL

- 4 **Number and use of vehicles**
- 7 **Aging population**
- 8 **Travel mode preferences**
- People with disabilities
- ? **Language and literacy**

TECHNOLOGICAL

- Travel & mobility apps
- Alternative fuels
- ? **Autonomous vehicle technologies**

ECONOMIC

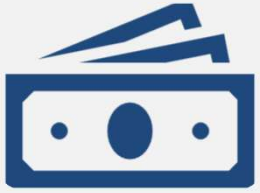
- 3 **Number & nature of jobs available in York**
- 6 **Price of housing**
- 9 **Income inequality**
- Growth of e-commerce
- ? **Remote work**
- Price of goods
- Tourism

ENVIRONMENTAL

- 2 **Development density**
- 10 **Land protection and open space loss**
- Energy policy
- ? **Climate change**

POLITICAL

- 1 **Transportation funding**
- 5 **Political collaboration**
- Polarization and distrust of government
- ? **Environmental Justice and Title VI policies**



Transportation Funding

Development Density

Economic Landscape

Travel Mode Preferences

Planning & Community Solutions

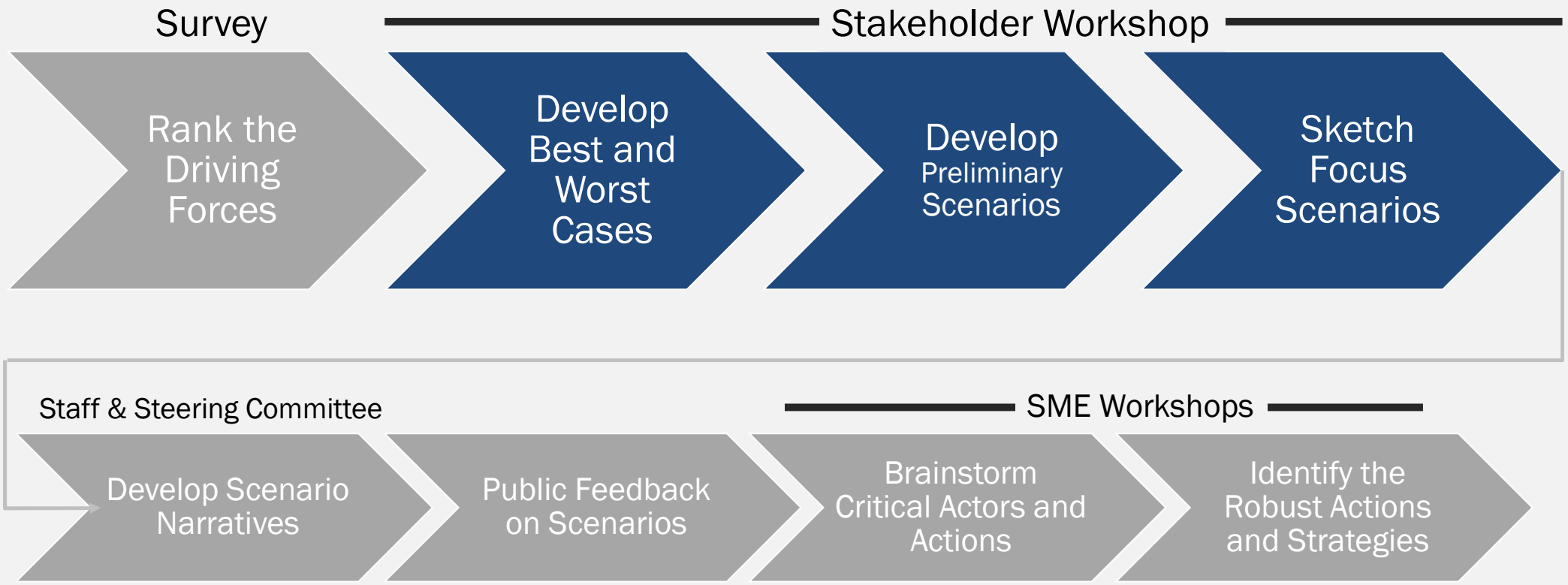
Autonomous Vehicle Technologies

Climate Change

YCPC

YAMPO

Our scenario planning process



The Futures Forum

TRANSPORTATION FUNDING

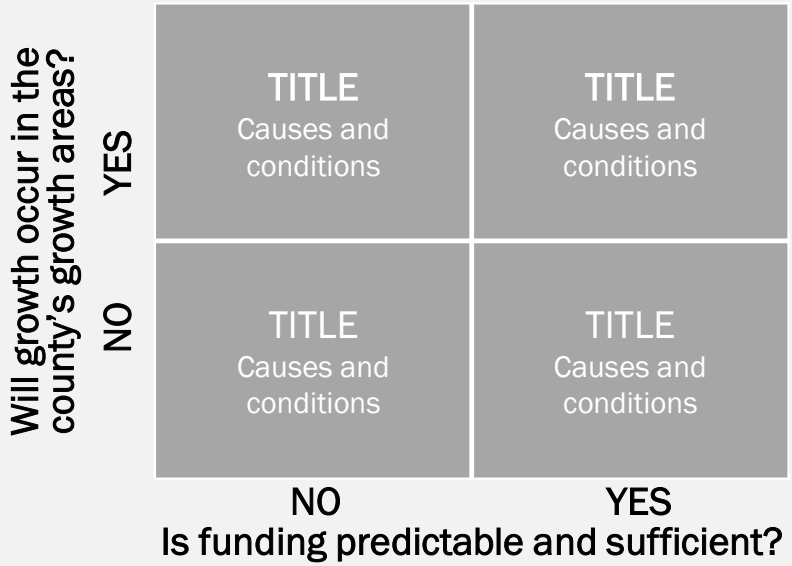
RELEVANT FORCES: **TRANSPORTATION FUNDING | POLITICAL COLLABORATION | ENERGY POLICY | ALTERNATIVE VEHICLE FUELS**

Will transportation funding be predictable and sufficient?

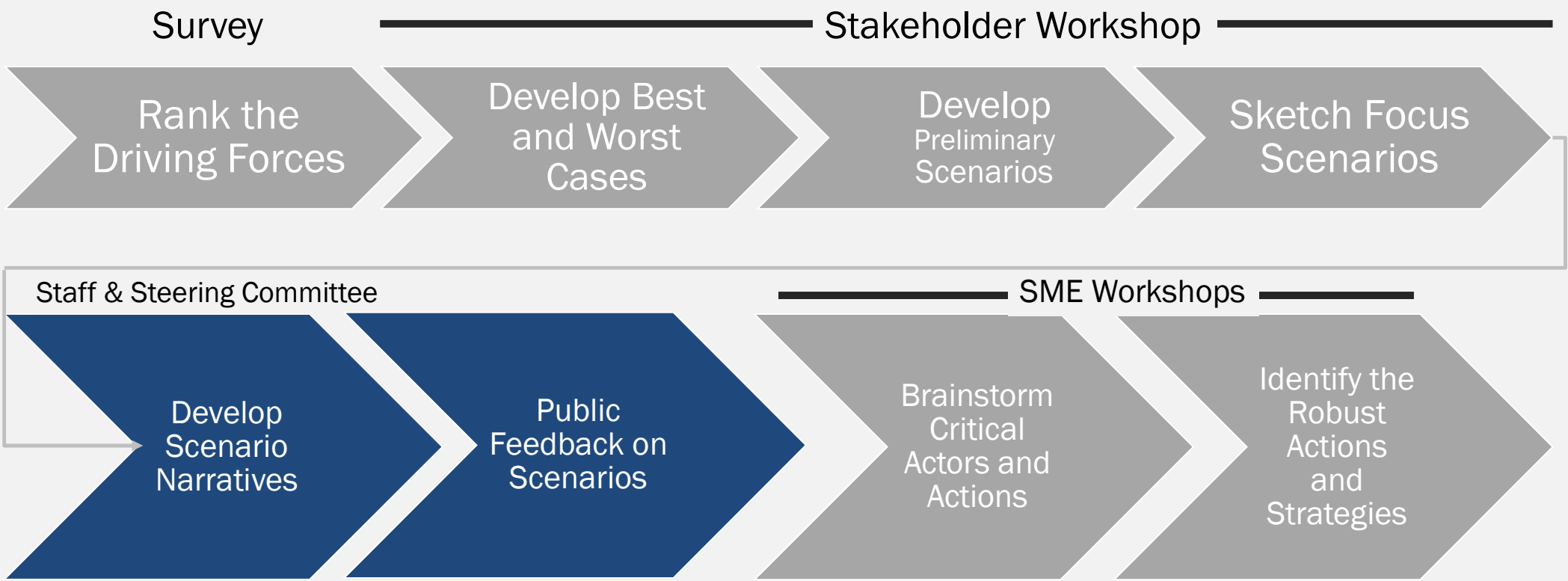
NO	CURRENT TREND	YES
	▪ YAMPO's TIP funding can typically be predicted over four to twelve-year horizons	
	▪ Inflation and the increasing costs of materials could double project costs by 2050	
	▪ Funding is dependent on political negotiations for new or continuing legislation. State funding has not been updated since Act 89. IIJA/BIL was the last federal transportation legislation, a five-year act ending in 2026.	
	▪ Inadequate funding hampers maintenance projects. Other types of projects, such as safety improvements or bike & pedestrian connections, are primarily funded by limited, dedicated funding programs.	
Food for thought...		*Food for thought...*
What might be the causes of unpredictable or insufficient funding?	▪ Transit funding shortages force tough choices between coverage (geography) and service frequency	*What might have happened to make funding more predictable or sufficient for our needs?*
What are the implications of transportation funding not being predictable and sufficient?	▪ Funding is based on outdated calculations and is further strained by vehicle efficiency gains such as improved MPG and electrification	*What are the implications of having predictable and sufficient funding?*

The Futures Forum

What might the future look like as we combine these best- and worst-case scenarios?



Our scenario planning process



Scenarios

TRANSPORTATION FUNDING

Increased

A BILLION DOLLAR BAND-AID

A future with increased transportation funding that is solely focused on improving travel by vehicle

A GOOD PROBLEM TO HAVE

A future where increased transportation funding and greater diversity of travel modes create tough conversations about which projects to prioritize

Decreased

IT'S GONNA BE A BUMPY RIDE

A future in which stagnant funding and vehicle reliance contribute to deteriorated infrastructure and limited improvements to congestion and safety

WHERE THE SIDEWALK ENDS

A future in which, despite many more people opting for non-driving modes, a lack of funding hinders maintenance and infrastructure improvements

More Driving Alone

More Alternative Modes

TRAVEL MODE PREFERENCES

Scenarios

DEVELOPMENT DENSITY

More redevelopment and concentrated growth

More development outside growth areas

CONCRETE JUNGLE

A future with increased transportation funding that is solely focused on improving travel by vehicle

WALK, DON'T RUN

A future where increased transportation funding and greater diversity of travel modes create tough conversations about which projects to prioritize

THE LONG ROAD HOME

A future in which stagnant funding and vehicle reliance contribute to deteriorated infrastructure and limited improvements to congestion and safety

SUSTAINABLE SUBURBIA

A future in which, despite many more people opting for non-driving modes, a lack of funding hinders maintenance and infrastructure improvements

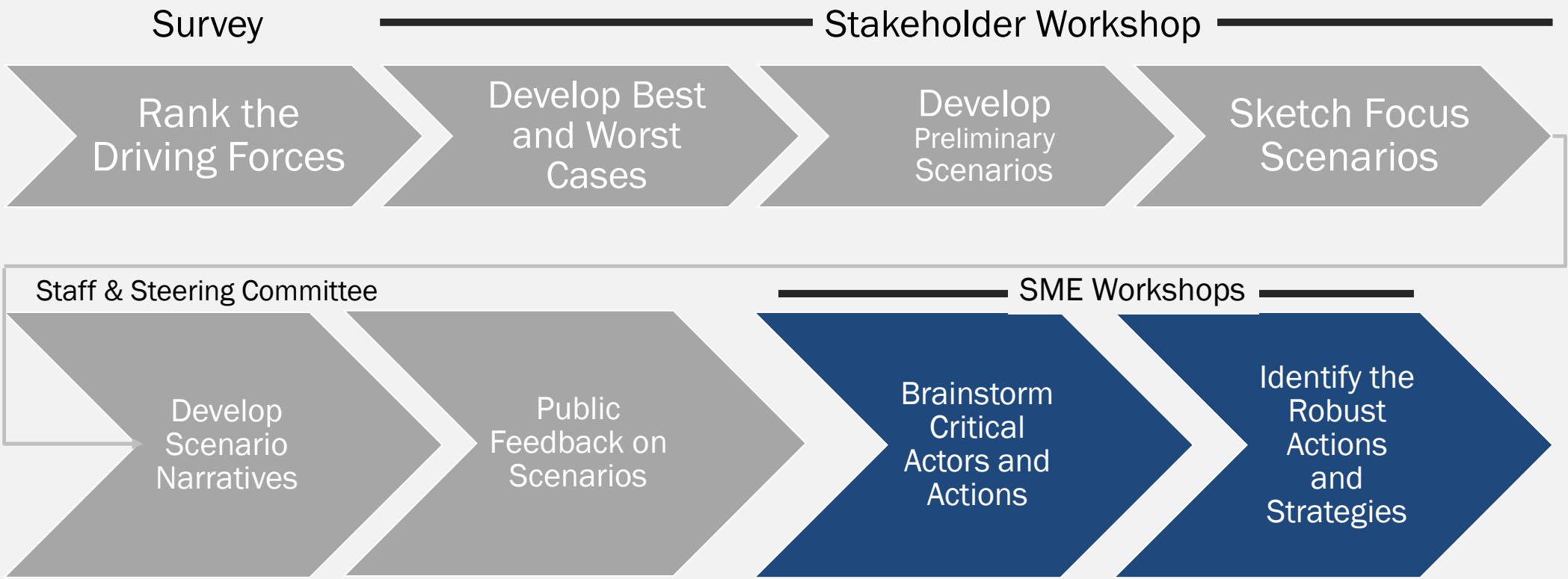
More Driving Alone

More Alternative Modes

TRAVEL MODE PREFERENCES

Scenarios: Results

Our scenario planning process



Objectives: Problems to Solve

Safety Hazards	**Barriers to Active Transportation**	**Insufficient & Fragmented Transportation Funding**	**Inequitable Transportation Access**
Aging and Outdated Infrastructure	**Sprawl & Car-Dependent Development Patterns**	**Public Resistance and Low Awareness of Alternatives**	**Rural Mobility Deficits**
Vulnerability to Climate Change and Disruptions	**Freight and Passenger System Conflicts**	**Unreliable Travel Times and Congestion**	**Lack of Unified Planning and Governance**
Slow Adoption of Emerging Technologies	**Inadequate Data and Performance Metrics**	**Workforce Shortages and Skills Gaps**	**Lack of Sustained Political Advocacy**

Objectives: Problems to Solve

Condition
The current state of the problem

Criteria
The ideal outcome

Cause
Reasons for the problem

Effect
What could result from inaction

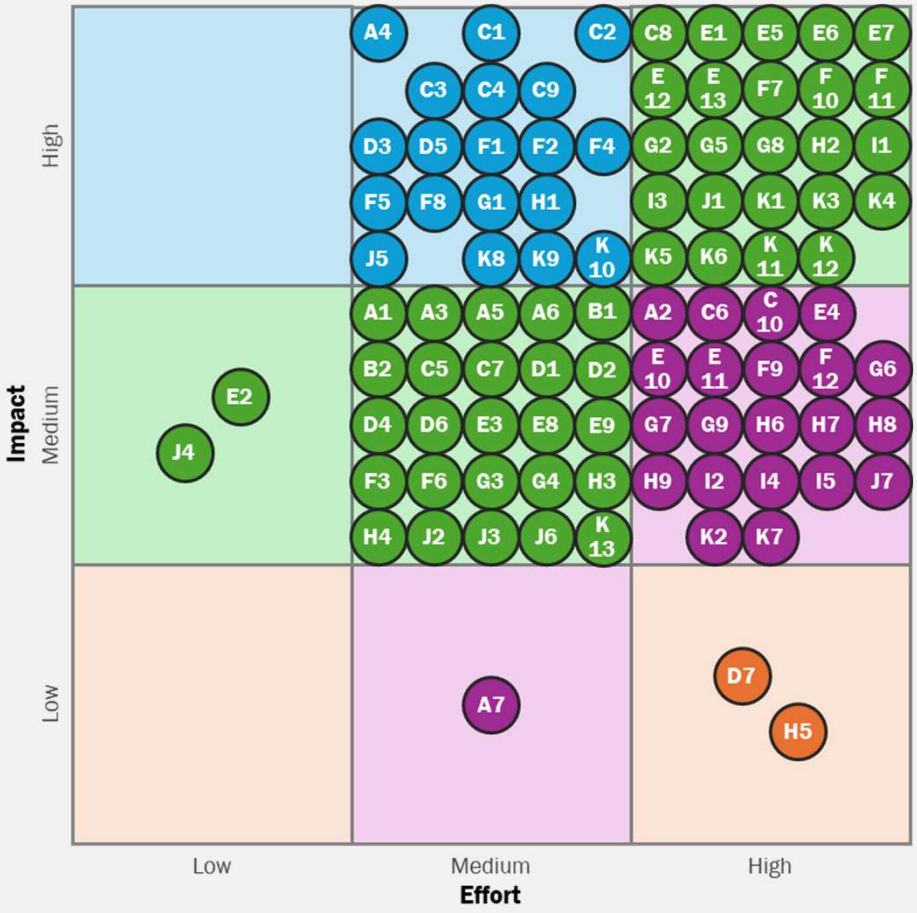
Strategies and Tactics
Specific steps

Performance Metrics
Federal, Local KPIs, and Signposts

Strategies and Tactics

Accelerate Adoption of Emerging Transportation Technologies	Address Workforce Shortages in the Transportation Sector	Improve Coordination between Municipalities, Agencies, and Private Entities	Improve Data Collection and Performance Evaluation for Smarter Decision-Making
Improve Public Transportation and Expand Multimodal Networks	Improve Safety for All Transportation Users	Modernize Transportation Infrastructure for Long-Term Sustainability and Resilience	Reduce Congestion and Improve Travel Time Reliability
Secure Sustainable and Equitable Transportation Funding	Strengthen Public Engagement and Awareness of Transportation Planning	Support Municipalities in Implementing Policies that Promote Safety, Accessibility, and Compact Development	

Strategies and Tactics



- Do First
- Do Next
- Consider Carefully
- Deprioritize

Measures of Success

Federal Performance Measures	Local Key Performance Indicators	Signposts
Number of fatalities	Competitive funding secured	Rate of development in growth areas
Condition of assets	Truck parking	Use of trails and bikeshare
Congestion	EV charging stations available	Unemployment rates
Transit measures	Response rates to outreach	Multi-municipal planning efforts
		Time without new transportation funding legislation

If we don't create adaptable plans, **we risk investing in systems and projects that don't serve the future.**

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