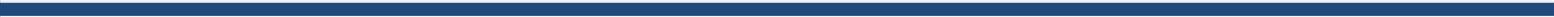


Navigating the Future

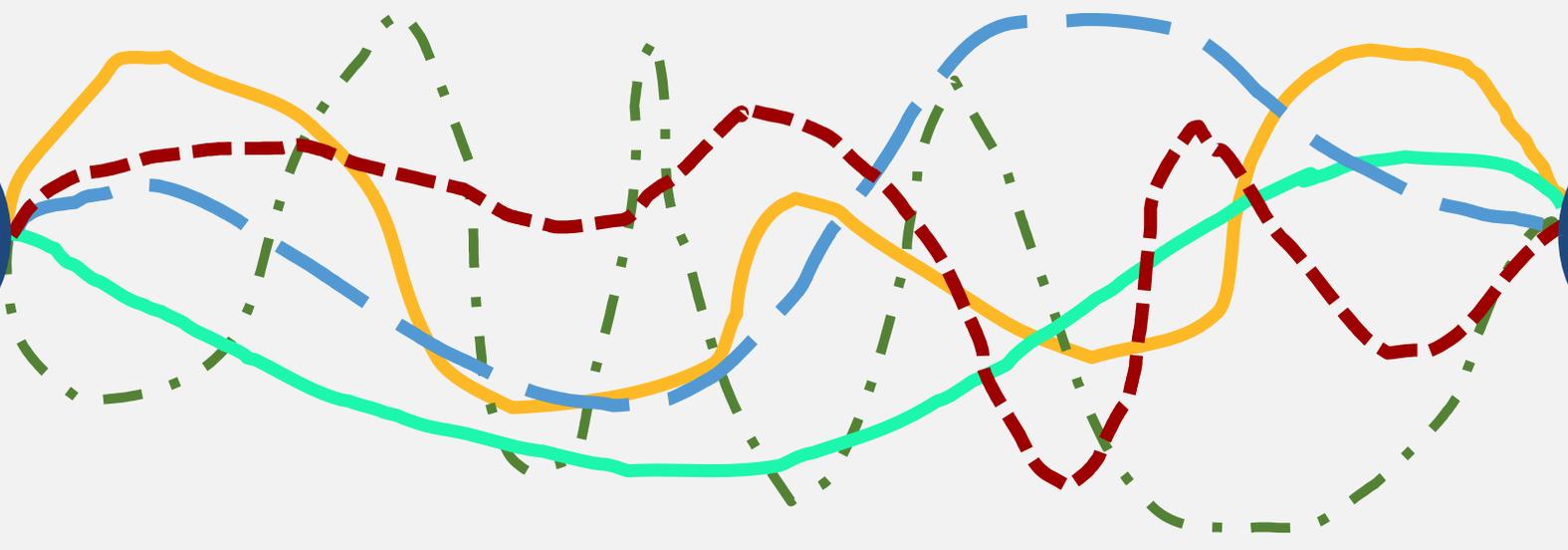
Scenario Planning for
Resilient Transportation
in York County





2025

2050



YCPC

GoYork2050

YAMPO



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

Our scenario planning process

Survey

Rank the
Driving
Forces

Stakeholder Workshop

Develop
Best and
Worst
Cases

Develop
Preliminary
Scenarios

Sketch
Focus
Scenarios

Staff & Steering Committee

Develop Scenario
Narratives

SME Workshops

Public Feedback
on Scenarios

Brainstorm
Critical Actors and
Actions

Identify the
Robust Actions
and Strategies

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

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The Futures Forum

TRANSPORTATION FUNDING

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

Will transportation funding be predictable and sufficient?

NO

Food for thought...

What might be the causes of unpredictable or insufficient funding?

What are the implications of transportation funding not being predictable and sufficient?

CURRENT TREND

- 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.
- Transit funding shortages force tough choices between coverage (geography) and service frequency
- Funding is based on outdated calculations and is further strained by vehicle efficiency gains such as improved MPG and electrification

YES

Food for thought...

What might have happened to make funding more predictable or sufficient for our needs?

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?

Will growth occur in the county's growth areas?	YES	TITLE Causes and conditions	TITLE Causes and conditions
	NO	TITLE Causes and conditions	TITLE Causes and conditions
		NO	YES
		Is funding predictable and sufficient?	

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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

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

More development outside growth areas

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

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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

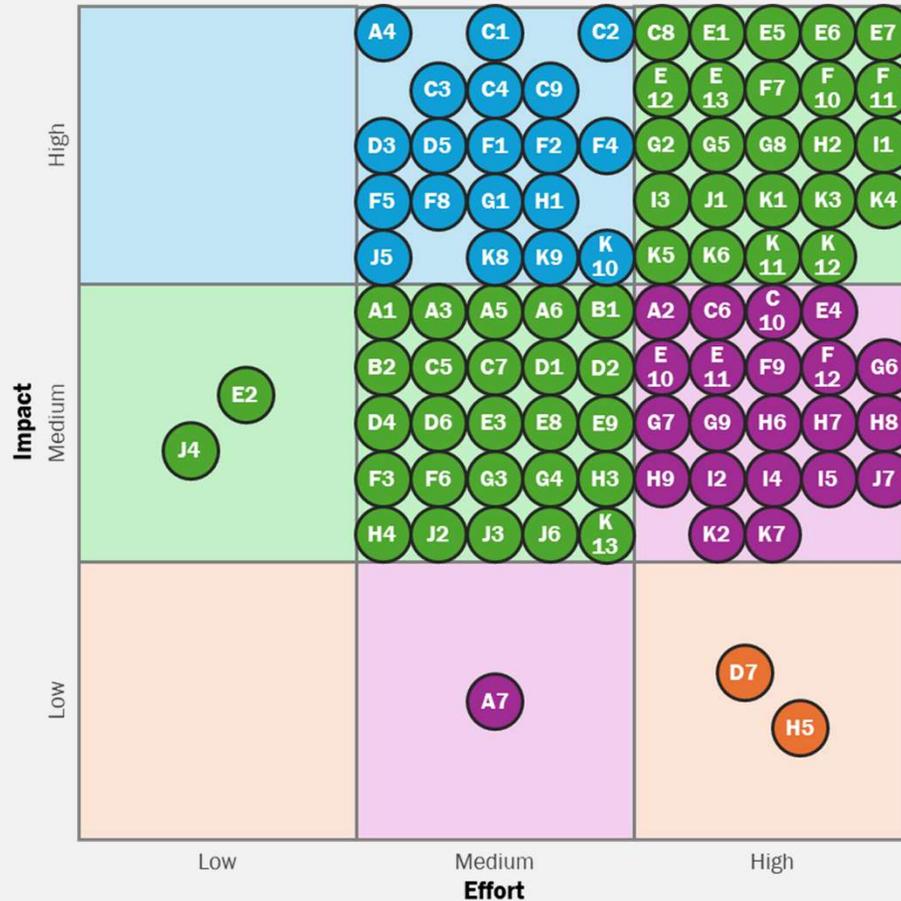
Performance Metrics

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

Number of fatalities
Condition of assets
Congestion
Transit measures



Local Key Performance Indicators

Competitive funding secured
Truck parking
EV charging stations available
Response rates to outreach



Signposts

Rate of development in growth areas
Use of trails and bikeshare
Unemployment rates
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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