

Scenario Planning

Relevance

Michigan Mobility 2045 scenario planning will:

- > Assess the condition and performance of the state's multimodal transportation network under baseline and alternative future scenarios.
- > Identify intermediate guideposts to align the strategies after Michigan Mobility 2045 completion.

Scenario Program Areas:

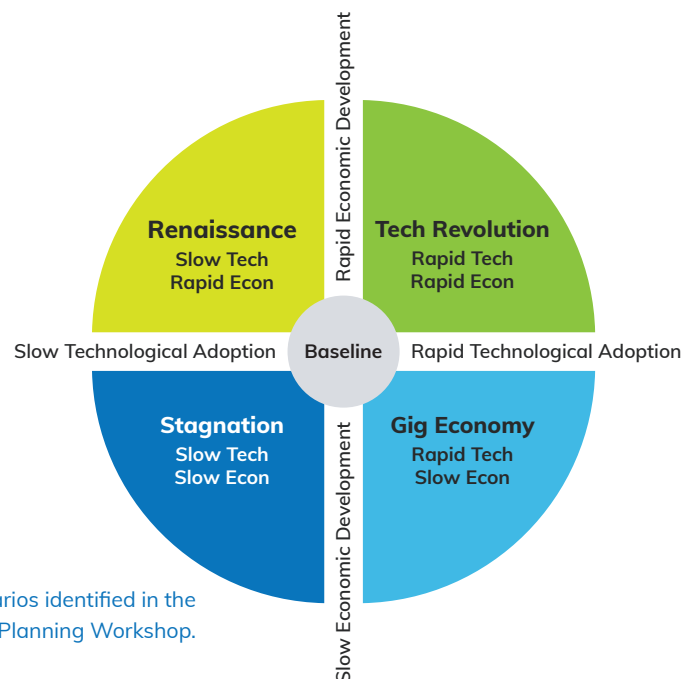
- > Pavement
- > Bridges
- > Highway Capacity/Right-Sizing
- > Intelligent Transportation Systems
- > Maintenance
- > Safety

Findings

Five scenarios were identified in the Michigan Mobility 2045 Scenario Planning Workshop, which will be used to translate qualitative trends into potential future scenarios. The workshop identified and selected scenario themes through a collaborative process with stakeholders and Michigan Department of Transportation (MDOT) subject matter experts.

Key Observations:

- > Economic development and technology adoption are the two key variables
- > Rapid change is occurring due to technology



Future Forward

MDOT input is critical to support scenario planning, specifically by addressing for each scenario: pavement/bridge conditions, modal performance targets, feedback on travel demand model results, annual funding for several program categories, and modal analysis and scenario results. Analysis will include establishing modal needs under baseline and alternative scenarios.

The scenario process will help answer the following questions:

- > What kinds of transportation systems are needed in each scenario?
- > What new investment strategies or policies might be changed?
- > What sorts of policy changes might need to change?
- > How might MDOT's structure, business processes, and/or capabilities need to change?