

2050 Mobility & Transportation Plan Kick-Off

Board of County Commissioners (BCC) Meeting

October 14, 2025

Purpose of Presentation

- To request Board Approval for initiation of the 2050 Mobility & Transportation Plan (MTP)

Agenda

- Background
- Current Status
- Project Scope
- Project Goals
- Project Benefits
- Next Steps
- Requested Action

Background

- 2045 Transportation Mobility Plan (TMP) commenced in May 2022
- \$1.1 Million Planning Project with the following objectives:
 - Collected Traffic and Socioeconomic data
 - Modeled existing and future roadway network and traffic conditions
 - Provided a needs list for future transportation infrastructure improvements
- 2045 TMP Final Draft completed, and Public Meeting held April 2025

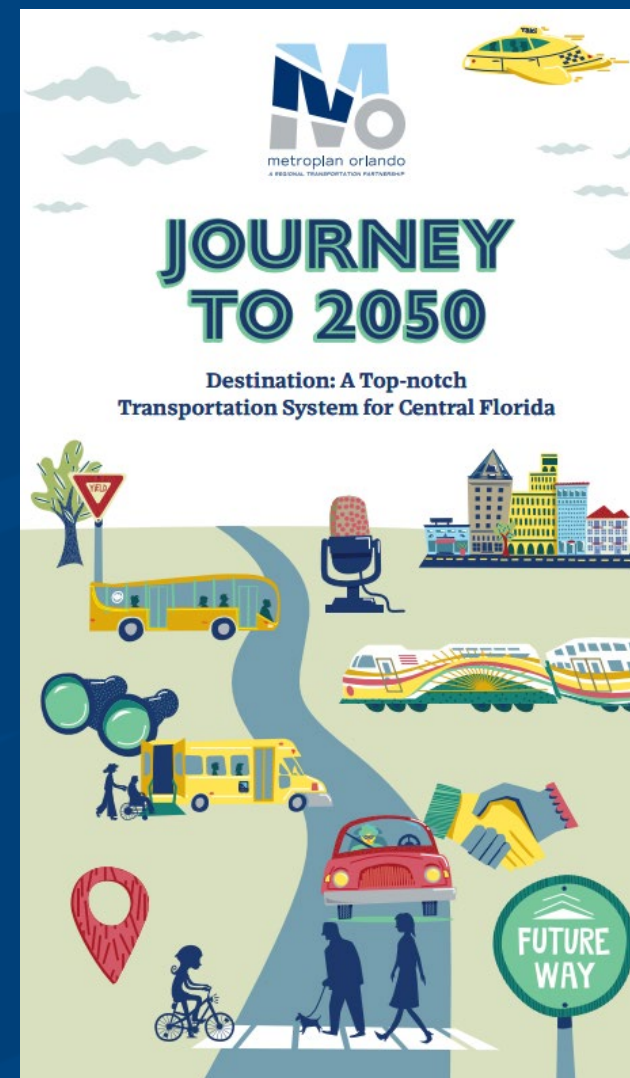
Background

- Developed in close coordination with the Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise, Central Florida Expressway Authority, MetroPlan Orlando, and other key partners.



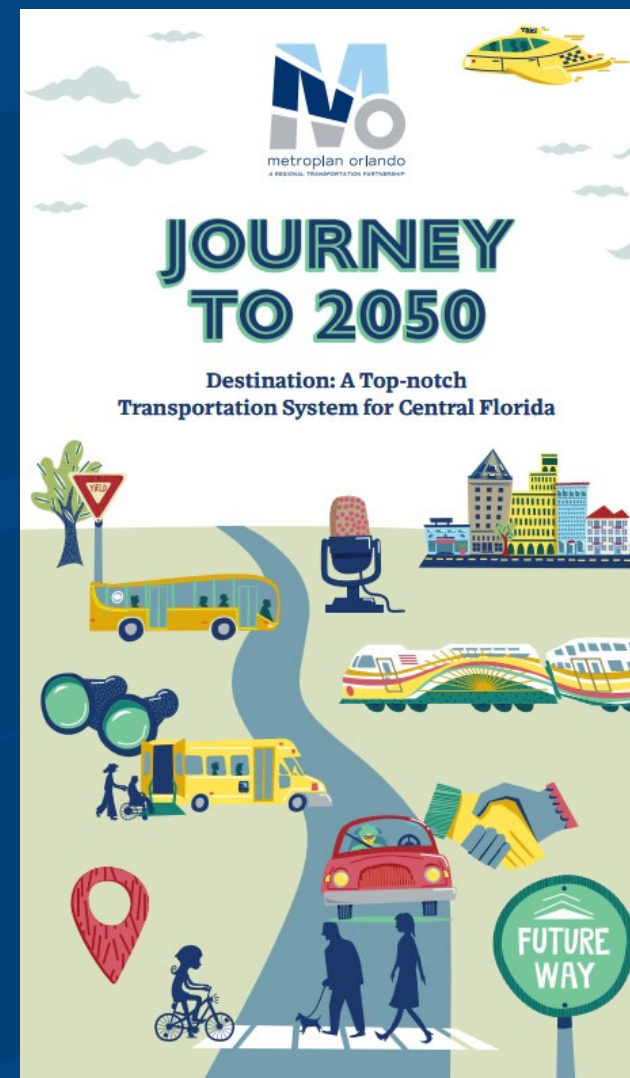
Current Status

- 2045 TMP was slated for Board approval in April 2025, but had several challenges:
 - 2045 TMP built on rapidly aging data
 - Out of synch with MetroPlan Orlando's own 2050 MTP
 - Limits effectiveness in policy, investment, and infrastructure decisions
- Lack of updated data/projections risks:
 - Potential misalignment of transportation priorities
 - Insufficient reflection of evolving community needs
 - Inadequate consideration of regional growth and dynamics



Current Status

- Proposed solution: Complete the 2050 MTP for Seminole County
 - Regional Alignment: Consistent with MetroPlan Orlando 2050 MTP (Adoption December 2025)
 - Growth Integration: Incorporate latest development, forecasts, and land use (including adjacent jurisdictions)
 - Collaboration: Coordinate with FDOT, Turnpike Enterprise, CFX, and regional partners
 - Traffic Analytics: Leverage 2024–2025 data for performance studies and congestion management
 - Intersection Analytics Update: Utilize latest Signal 4 crash data and Travel Time/Delay data
 - Data Automation – Dynamic data capture using modern techniques (e.g. Seminole County's probe data)



Project Scope

- Reorganizing 2045 TMP into 2050 Mobility & Transportation Plan
- \$533K Planning Project Update
- Extend the Planning Horizon to 2050
- Update to a 2030 Existing + Committed Traffic Forecast Model Network
- Update Crash Data and Travel Time and Delay data
- Revise Priority Project List



Project Goals

- Synchronize with MetroPlan Orlando 2050 MTP for regional consistency
- Implement the goals and objectives of the Transportation Element of the Seminole County Comprehensive Plan
- Inform the Mobility Fee Study and Land Development Code amendments
- Guide the County's transportation system investment decisions through 2050
- Provide emphasis on equitable, resilient mobility choices for all users

Project Benefits

- Provides a modern, actionable framework to guide transportation investments through 2050
- Ensures alignment with regional and state-level transportation planning efforts
- Positions Seminole County to respond effectively to emerging mobility trends, economic development, and infrastructure needs.

Next Steps

Upcoming BCC Meetings:

- January 2026: Present draft 2050 MTP
- February – March 2026: Opportunity for one Public Meeting
- April 2026: Present final draft and request BCC approval of 2050 MTP

Requested Action

- Board approve and authorize the Chairman to execute the Budget Amendment Request for contract amendment for the funding of the 2050 Mobility and Transportation Plan.