

2045 Metropolitan Transportation Plan Working Group

Meeting Notice



Date: Wednesday, September 16, 2020

Time: 9:30 a.m.

Location: Virtual / Zoom

Information about MetroPlan Orlando's Virtual Meetings:

www.MetroPlanOrlando.org/VirtualMeetings

Agenda

- I. **Welcome**
- II. **Status Updates**
 - Planning Process and Work to Date
 - Public Participation and Virtual Engagement
- III. **Presentation & Group Discussion**
 - Multimodal Needs Assessment: Preliminary Findings
 - Scenario Planning: Strategies and Next Steps
 - Cost Feasible Plan: Key Topics
- IV. **Meeting Schedule**
 - Tuesday, November 3, 2020, 9:30 a.m.
- V. **Public Comments**

Each speaker is limited to two (2) minutes.
- VI. **Adjournment**

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Persons who require translation services, which are provided at no cost, should contact MetroPlan Orlando at (407) 481.5672 x307 or by email at lsmith@metroplanorlando.org at least three business days prior to the event.

As required by Section 286.0105, Florida Statutes, MetroPlan Orlando hereby notifies all interested parties that if a person decides to appeal any decision made by MetroPlan Orlando with respect to any matter considered at such meeting or hearing, he or she may need to ensure that a verbatim record is made to include the testimony and evidence upon which the appeal is to be based.



2045 Metropolitan Transportation Plan Working Group Meeting #6

Virtual Meeting: September 16, 2020



Today's Agenda

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 - Planning Process and Work to Date
 - Public Participation and Virtual Engagement
- III. Presentation & Group Discussion:
 - Multimodal Needs Assessment: Preliminary Findings
 - Scenario Planning: Strategies and Next Steps
 - Cost Feasible Plan Development: Key Topics
- IV. Upcoming Meetings
- V. Public Comments
- VI. Adjourn



Accessibility

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407-481-5672 | Email: Info@MetroPlanOrlando.org



Public Comment

Opportunity later in the meeting

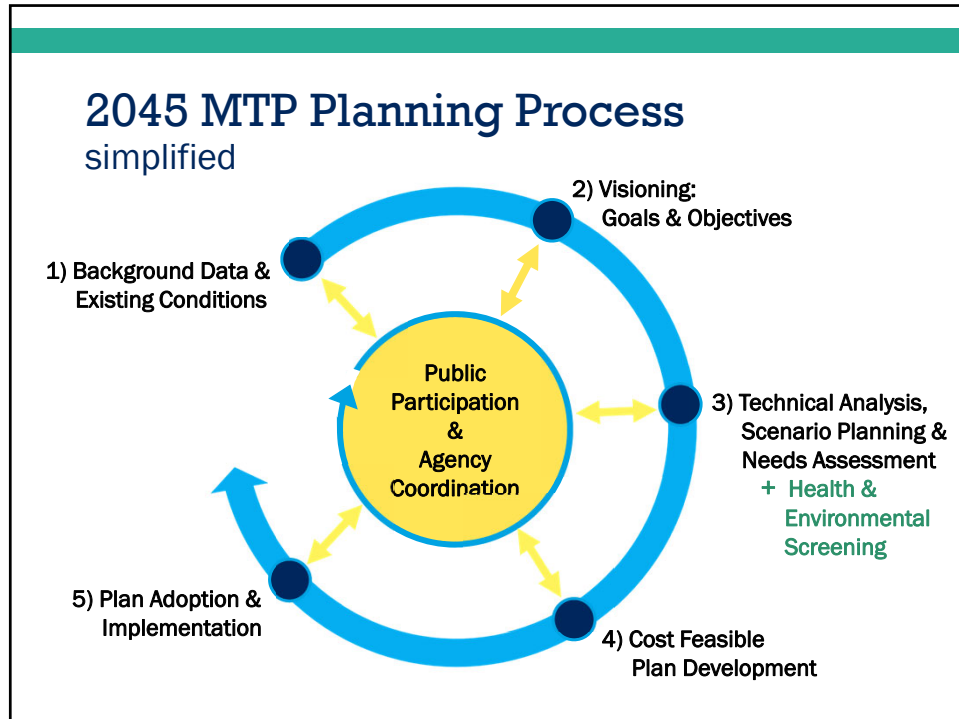
Use “*Raise Hand*” feature at appropriate time (Look under Participants tab for the raise hand button or dial *9 if on the phone)

Wait to be recognized by chairperson, provide name and address when called.

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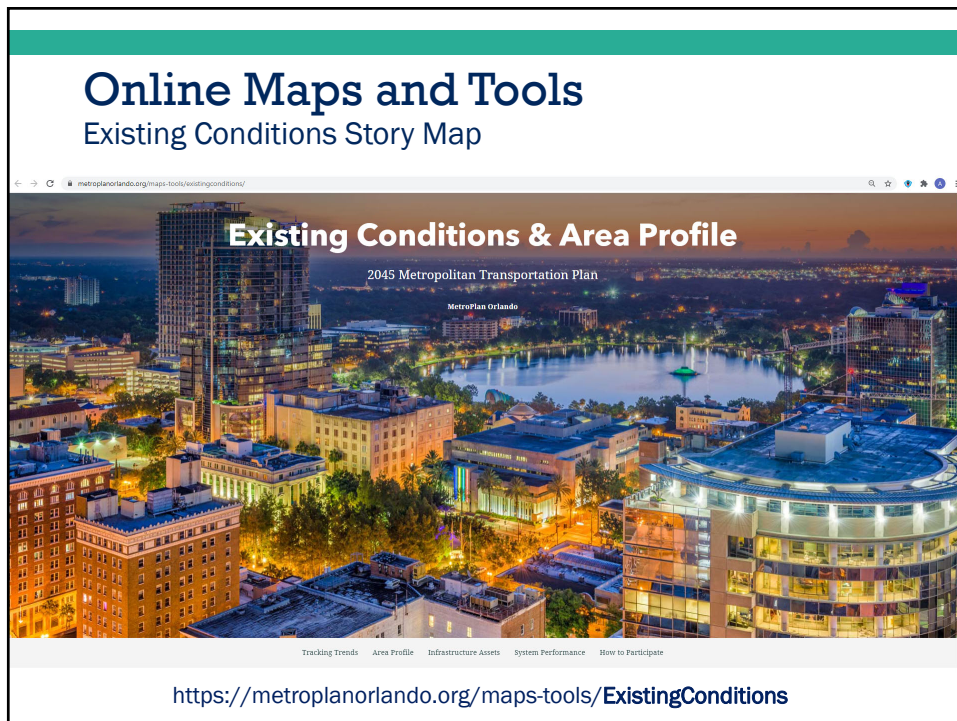
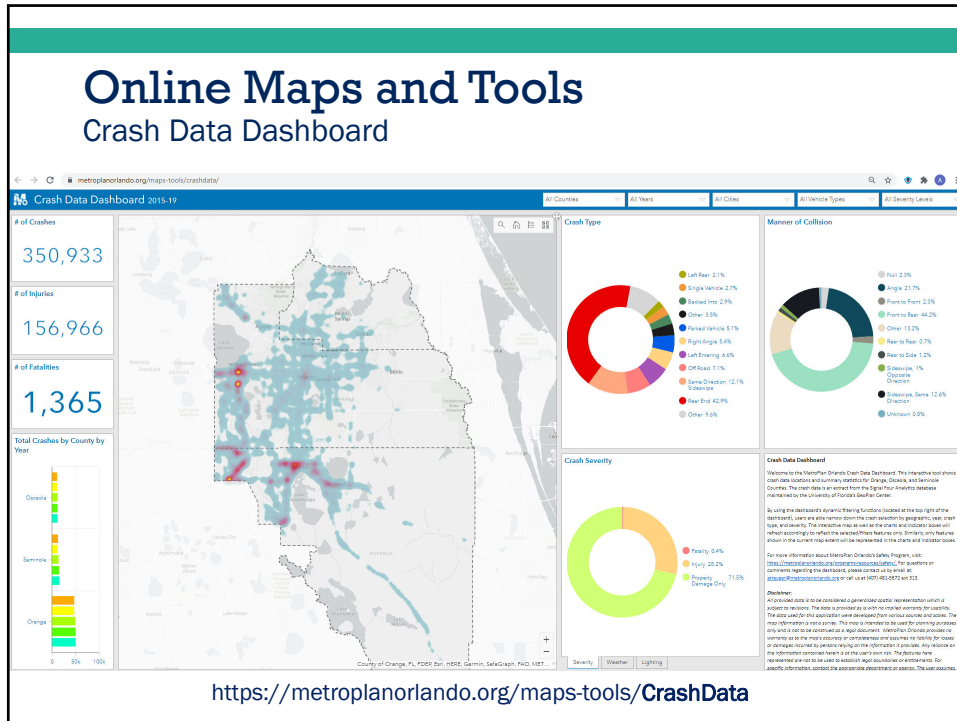




2045 MTP Working Group Since Our Last Meeting

- Advisory Committee & Board Presentations
- Continued Scenario Planning Process
- Finalized Data Models
- Prepared Preliminary Needs / Strategies

FUTURE DR.



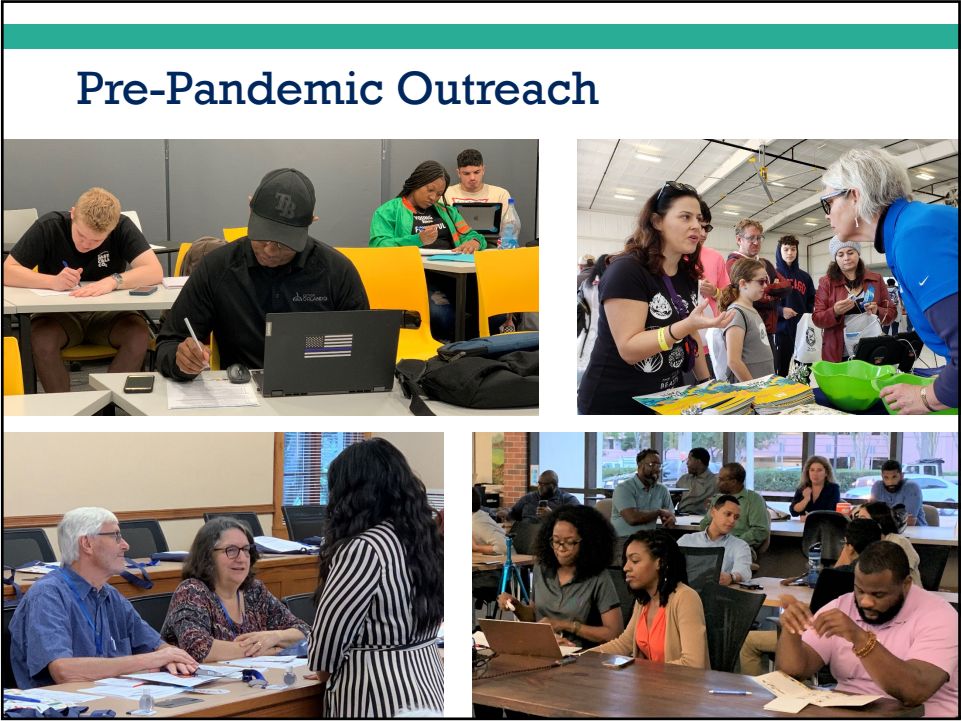
Online Maps and Tools

Data Viewer

<https://metroplanorlando.org/maps-tools/DataViewer>

Status Update: Public Participation

Cynthia Lambert – MetroPlan Orlando



New Approach

A screenshot of a Zoom meeting grid showing 18 participants in a 4x5 layout (with the last row containing 3 participants). Each tile includes a video feed and a name label at the bottom. The participants are diverse in age and background, and many are wearing headsets, suggesting a professional or customer support context.


Outreach Webinars

Videos

Market Research

Webinars By the Numbers


August 2020



PLANNING FOR 2045
WEBINAR

180+
attendees + video views


50
questions & comments




HEALTH & ENVIRONMENT
WEBINAR

145+
attendees + video views


23
questions & comments




Tim Giuliani - Orlando Econ...




Gary Huttman - MetroPla...




Nilda Blanco - CareerSour...



Carla Bell Johnson - Orang...




Maria Triscari - Internation...




Cliff Long - Orlando Region...

157 attendees


250+ views



Shailen Bhatt - ITS America



ITS AMERICA
CareerSource CENTRAL FLORIDA
ORLANDO ECONOMIC PARTNERSHIP
ORANGE COUNTY GOVERNMENT FLORIDA
ORLANDO REGIONAL REALTOR ASSOCIATION
INTERNATIONAL DRIVE RESORT AREA CHAMBER OF COMMERCE



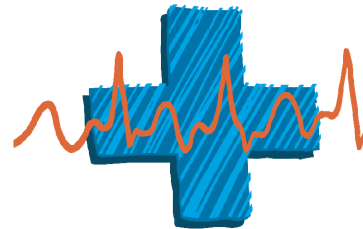
FUTUREFEST
WHAT THE YEAR 2045 HOLDS FOR TRANSPORTATION

Videos



Debuting Today!

Safety



Health

Market Research: Public Opinion Survey

- *Sample Size:* 1,309 in three-county area, demographics reflective of community
- *New Methodology:* online panel
- *Data Collected:* July 24-30, 2020
- *Question Topics:* 2045 Plan goals & top 3 desired transportation changes



2045 Plan Goals in Order of Importance

1	Investment & Economy	3.24	Less than a half point difference
2	Health & Environment	3.13	
3	Access & Connectivity	3.02	
4	Reliability & Performance	2.95	
5	Safety & Security	2.77	



2045 Plan Goals in Order of Importance

Pre-Pandemic

1	Access & Connectivity
2	Investment & Economy
3	Safety & Security
4	Reliability & Performance
5	Health & Environment

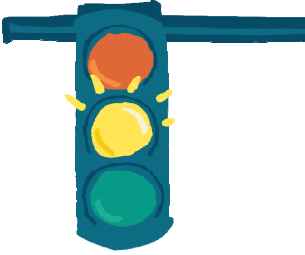
Post-Pandemic

1	Investment & Economy
2	Health & Environment
3	Access & Connectivity
4	Reliability & Performance
5	Safety & Security

Top 3 Desired Changes to the Transportation System

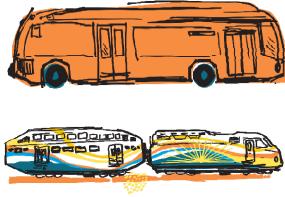
1

More “smart” traffic signals and sensors that automatically adjust for congestion




2

More frequent public transportation that goes to more places



3

Better connections btwn public transportation & your final destination




Pre-Pandemic

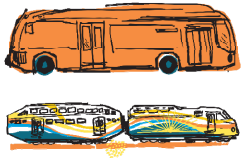
Post-Pandemic

Exact Same Top 3 Desired Changes


“Smart” traffic signals & tech



More frequent public transportation

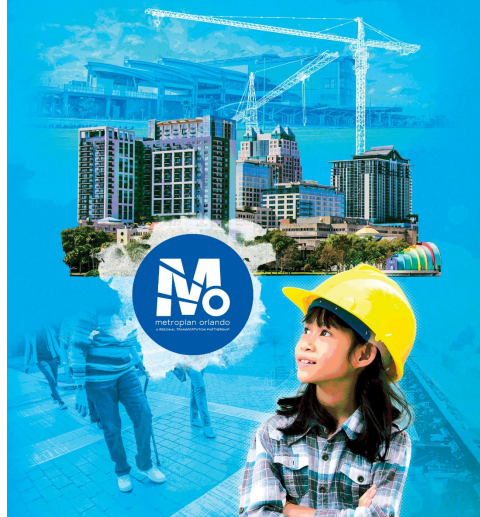


Better first & last mile connections



Decade of Transformation

MetroPlan Orlando's Report to the Community - 2020



Annual Report

Youth Outreach



Nathalia, 3rd grade

Dear MetroPlan Orlando,

I think the most important thing about planning for the future of transportation is less pollution. In 2045, I will be 31 years old, and I hope I am using a flying electric car to get around Central Florida. People my age think we should have more electricity and monorails available for people to use as they travel. One question I have about transportation is: Where does electricity come from for trains?

Ainesley, 3rd grade

Dear MetroPlan Orlando,

I think the most important thing about planning for the future of transportation is know what is happening. In 2045, I will be 34 years old, and I hope I am using a train to get around Central Florida. People my age think we should have more trains available for people to use as they travel. One question I have about transportation is: How much money will it cost?

Avery, 3rd grade

Dear MetroPlan Orlando,

I think the most important thing about planning for the future of transportation is to reduce back jams. In 2045, I will be 34 years old, and I hope I am using a flying robot to get around Central Florida. People my age think we should have more monorails available for people to use as they travel. One question I have about transportation is: How is our rain works to travel around the world?

Jason, 3rd grade

Dear MetroPlan Orlando,

I think the most important thing about planning for the future of transportation is being safe. In 2045, I will be 34 years old, and I hope I am using a electric flying car to get around Central Florida. People my age think we should have more more sky roads available for people to use as they travel. One question I have about transportation is: I wonder if the government will stop pollution from cars.

Questions?

MetroPlanOrlando.org/2045

MTP@MetroPlanOrlando.org | 407-481-5672



Presentation & Discussion: Preliminary Multimodal Needs

Alex Trauger – MetroPlan Orlando



Planning Approach

2020-2040 Plans

Needs based on levels of
automobile congestion



2045 Plan

Needs and opportunities
based on multimodal
goals and objectives

Multimodal Needs Assessment

- Unique method for each mode of travel
- Objective-Driven + Data-Informed Analysis
- Scenario Planning Considerations



*Project Prioritization
will take findings from needs
assessment and rank corridors
based on cumulative
regional performance*

Preliminary Findings

Multi-Criteria Analysis

- GIS Data Model
- Factors Equally Weighted

Needs and Opportunities

- Roadway Network
- TSM&O + ITS
- Transit System
- Bicycle & Pedestrian



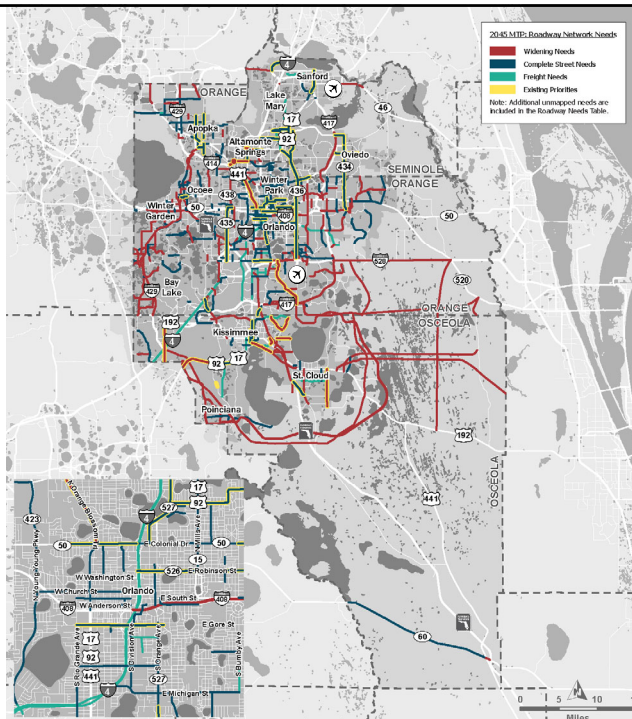
2045 MTP Roadway Network Needs

Widen / New*

Complete
Streets

Freight Needs

* Based on Local and State
Agency Comprehensive,
Long Range & Master Plans



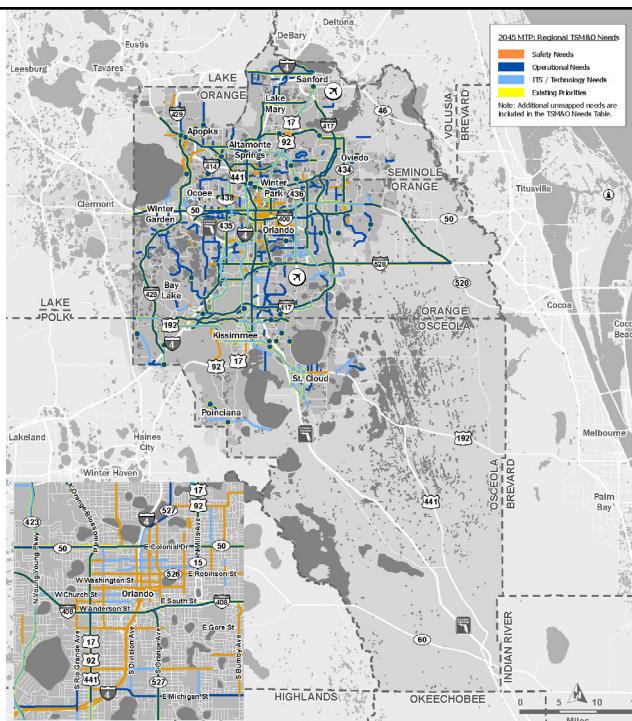
2045 MTP Regional TSM&O Needs

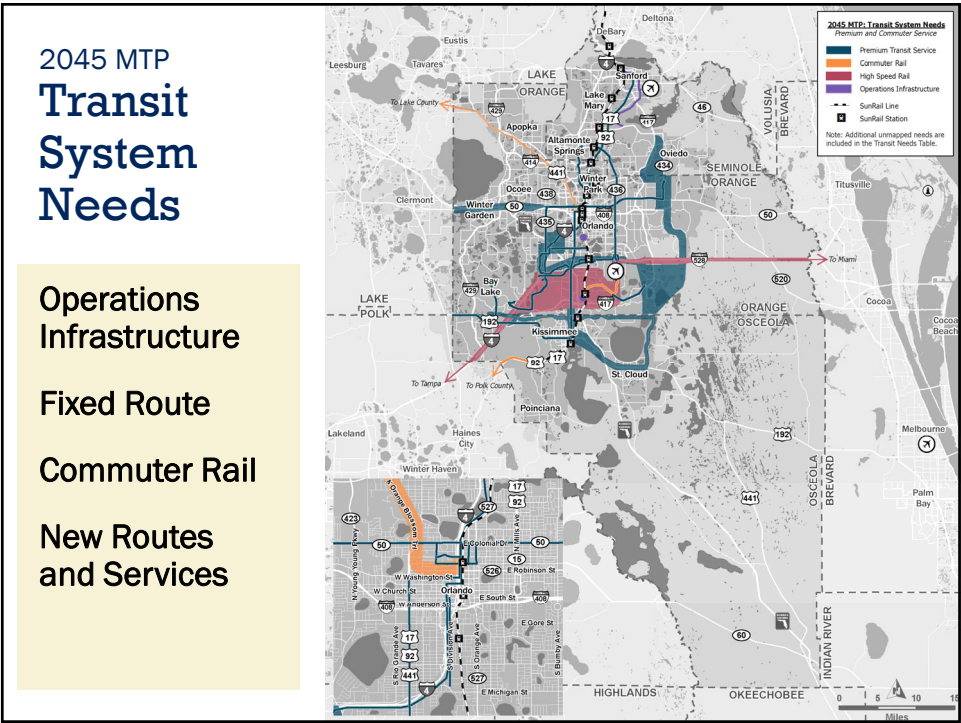
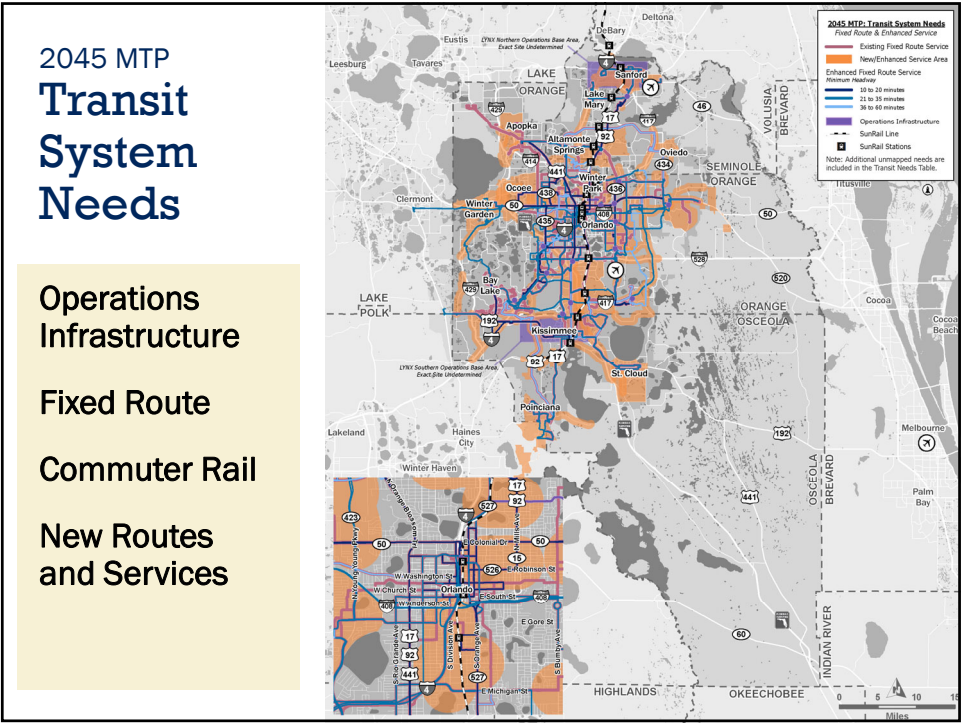
Intersection +
Operational

ITS / Technology

ACES
Preparedness

Safety Needs





2045 MTP Bicycle & Pedestrian Needs

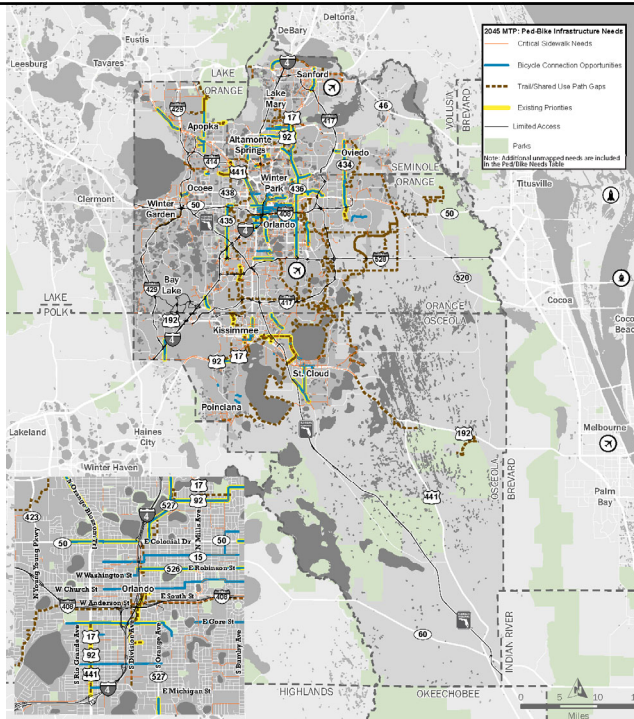
Regional Trails

Bicycle
Connections

Sidewalk Gaps

Crosswalks

Safety
Improvements



Needs Assessment

Takeaways

- Consistent need for complete street or operational improvements on constrained corridors
- Widening needs in Horizons West, north Osceola County, Altamonte/Maitland area
- Truck parking needs on corridors which service large freight activity centers
- Transit Operations Infrastructure: South (Osceola) and North (Seminole) operating bases



Scenario Planning Strategies & Next Steps

John Kaliski – Cambridge Systematics



2045 MTP Scenario Framework



Traditional
Trends



Disruption
Dilemmas



Tech
Transformations



Climate
Consequences

2045 MTP: Scenario Planning **Strategy Development**

- What
 - Policy or strategy changes to help move region toward long-range goals
- How
 - Review existing regional and statewide plans
 - Consider national best practices
 - Gather partner input
 - Respond to scenario implications; “future proof” plan



2045 MTP: Scenario Planning **Strategy Categories**

- | | |
|---------------------------|------------------------------|
| • Safety/security | • Bicycle/pedestrian |
| • Roadway network | • Freight |
| • TSMO/technology | • Interregional connectivity |
| • Transit/shared mobility | |



2045 MTP: Scenario Planning Strategies

Safety and Security

Strategy	Traditional Trends	Disruption Dilemmas	Tech Transformations	Climate Consequences
Continue to advance Vision Zero initiatives	●	●	●	●
Update emergency management plans	○	●	●	●
Identify/mitigate cybersecurity/data security risks	○	●	●	○

Very important



Somewhat important



2045 MTP: Scenario Planning Strategies

Roadway Network

Strategy	Traditional Trends	Disruption Dilemmas	Tech Transformations	Climate Consequences
Maintain roads and bridges in state of good repair	●	●	●	●
Complete I-4 Beyond the Ultimate and regional expressway system expansion	●	○	○	●
Expand use of managed lanes (HOV, HOT, express bus)	●	○	●	●
Improve local street network connectivity	●	●	●	●
Advance complete streets initiatives	●	○	○	●
Use street, curb, and parking space freed up by potential decline in car travel for other purposes		●	●	
Expand capacity in targeted areas	○	○	●	●
Reduce vulnerability to risks	○	●	○	●

2045 MTP: Scenario Planning Strategies TSM&O / ITS / Technology

Strategy	Traditional Trends	Disruption Dilemmas	Tech Transformations	Climate Consequences
Continue to implement TSMO solutions	●	●	●	●
Adjust speeds to reflect roadway context	○	●	●	○
Expand electric vehicle charging stations	○	●	●	●
Support expanded options for telepresence	○	●	●	●
Facilitate regional broadband deployment	○	●	●	●
Help local governments prepare for Automated, Connected, Electric, Shared Vehicles (ACES)	○	●	●	●
Help local governments prepare for micromobility	○	○	●	●
Test urban air mobility systems			●	

2045 MTP: Scenario Planning Strategies Transit & Shared Mobility (1/2)

Strategy	Traditional Trends	Disruption Dilemmas	Tech Transformations	Climate Consequences
Maintain transit assets in state of good repair	●	●	●	●
Improve public transportation safety and security	●	●	●	●
Improve sanitation and customer health screening	○	●	○	○
Increase LYNX and SunRail hours and frequency	●	○	●	●
Optimize LYNX route structure	●	●	●	●
Prepare for increased drivers/vehicles/operations infrastructure	○	●	○	●

2045 MTP: Scenario Planning Strategies Transit & Shared Mobility (2/2)

Strategy	Traditional Trends	Disruption Dilemmas	Tech Transformations	Climate Consequences
Support alternatives fuels and automated systems	○	○	●	●
Expand first/last mile options (micromobility, MaaS)	○	●	●	●
Integrate regional e-payment systems	○	●	●	○
Create regional mobility hubs	○		●	●
Accommodate riders during heat/precipitation	○	○	○	●
Enhance transportation disadvantaged services	○	●	●	○

2045 MTP: Scenario Planning Strategies Pedestrian and Bicycle

Strategy	Traditional Trends	Disruption Dilemmas	Tech Transformations	Climate Consequences
Improve bike/ped safety	●	●	●	●
Improve bike/ped access to jobs, housing, services, schools	●	●	●	●
Improve convenience of active transportation for all ages and abilities	●	●	●	●
Improve connectivity of sidewalks and trails; close system gaps	●	●	●	●
Expand bike/ped accommodations on roadways and sat mobility hubs	●	●	●	●
Improve accommodation during extreme heat and participation	○	○	○	●

2045 MTP: Scenario Planning Strategies

Freight

Strategy	Traditional Trends	Disruption Dilemmas	Tech Transformations	Climate Consequences
Increase freight route efficiency/reliability	●	○	○	●
Improve connectivity to freight terminals/clusters	●	○	○	●
Increase truck parking availability	●	●	●	●
Support increased urban/neighborhood goods delivery	○	●	●	●
Support increased supply chain resilience	○	●	●	●
Test/deploy emerging freight technologies	○	●	●	○

2045 MTP: Scenario Planning Strategies

Interregional Connectivity

Strategy	Traditional Trends	Disruption Dilemmas	Tech Transformations	Climate Consequences
Continue I-4 corridor TSMO coordination	●	●	●	●
Expand multimodal connectivity to key hubs	●	○	●	●
Prepare for interregional passenger rail service	●		●	●
Strengthen interregional highway corridor planning	○	●	○	●
Accelerate new options (e.g., hyperloop)			●	●
Support completion of Coast-to-Coast Trail	○	●	○	●
Continue coordination with other regions	○	○	○	○

Scenario Planning How Do We Prepare?



Which strategies make sense in all futures?

Which strategies are worth the risk, to help shape the future we want?

Or to avoid the future we don't want?

2045 MTP: Scenario Planning Strategies

Polling Question 1

Which strategy is most significant across all futures? (top 2)

- Work to stop traffic deaths
- Keep transportation system well-maintained
- Plan streets for all users
- Connect transit to jobs and services
- Help cyclists and pedestrians connect safely
- Use tech solutions to make the system function better



2045 MTP: Scenario Planning Strategies

Polling Question 2

Which strategy should we pursue to help shape the future that we want? (top 2)

- Rely less on highway widening
- Use street, curb and parking space wisely
- Improve transit service and connection
- Help transit riders make first/last mile trips
- Support connected, automated and electric vehicle needs
- Make broadband access universal



2045 MTP: Scenario Planning Strategies

Polling Question 3

Which strategy should we pursue to help avoid a future we don't want? (top 2)

- Improve sanitation and screening for all shared transport
- Plan for regional cybersecurity
- Improve regional emergency management
- Weather-proof infrastructure against extremes
- Plan for shifts in traffic and parking needs
- Plan transportation and land use together



2045 MTP: Scenario Planning

Implications

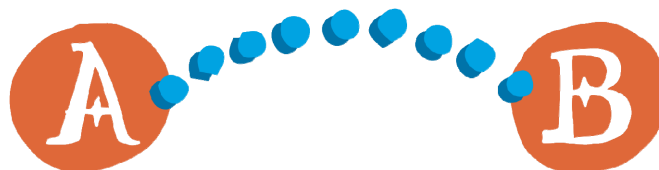
- Potential changes to existing processes
 - Needs identification
 - Project prioritization
- Expanded activities for MetroPlan Orlando
 - Research and demonstration projects
 - Technical support to local governments
 - Data management and tools
 - Collaboration, especially with nontraditional partners
 - New or expanded funding programs



2045 MTP: Scenario Planning

Strategy Development: What's Next?

- Strategy element for the 2045 MTP
- Identify actions to advance strategies post-adoption
- Follow-through...



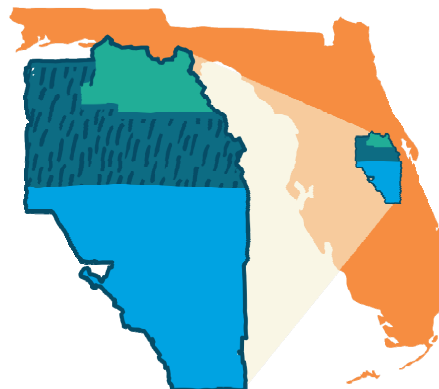
Cost Feasible Plan Key Topics

Nick Lepp – MetroPlan Orlando



Cost Feasible Plan Development

- Needs (and Costs)
- Prioritization
- Available / Eligible Revenues
- Funding Policies and Programs
- Cost Feasible and Unfunded Projects



2045 MTP: Cost Feasible Plan

Key Topics

- Funding Policies
- Existing Priorities & Programmed Projects
- Performance-based Planning / Prioritization
- Adoption by Reference
- Consistency of MPO Core Products



2045 MTP: Cost Feasible Plan

Key Topics – Funding Policies

- Existing and Illustrative Forecasts
- STP-SU Modal Allocation
- DDR for Premium Transit
- Other MTP-Identified Annual Programs
 - 10 % of Other Arterial Funding (DDR) for Off-SHS Capacity Projects
 - 30% of Other Arterial Funding (DDR) for Premium Transit in 2035-2045
 - \$1 million annually for UPWP Special Projects (from SU-Complete Streets)
 - \$1 million annually for improving/filling critical sidewalk gaps (from SU-Ped Bike)
 - \$1 million annually for Signal Retiming Program (UPWP)
 - \$1 million annually for Regional TSM&O/ITS Improvements (from SU-TSMO)
 - \$250,000 annually for ACES Demonstration Projects (from SU-TSMO)



2045 MTP: Cost Feasible Plan

Key Topics – Existing Priorities

- Included in Multimodal Needs Assessment
 - Prioritized Project List (2020-2040)
 - Transportation Improvement Program (2020-2025)
- “Grandfathered” Projects in Cost Feasible Plan
 - Projects with PD&E funded in current work program



2045 MTP: Cost Feasible Plan

Key Topics – Prioritization

- FHWA Performance-based Planning
- Comparable to Existing Process
- Quantifying MTP Goals / Objectives
- Data Sources
 - Signal 4 Analytics, Streetlight, ATRI, CFPRMv7, Airsage, Public Health, US Census ACS, NPMRDS, LOTIS, Local and State Agency Inventories, and more...



2045 MTP: Cost Feasible Plan

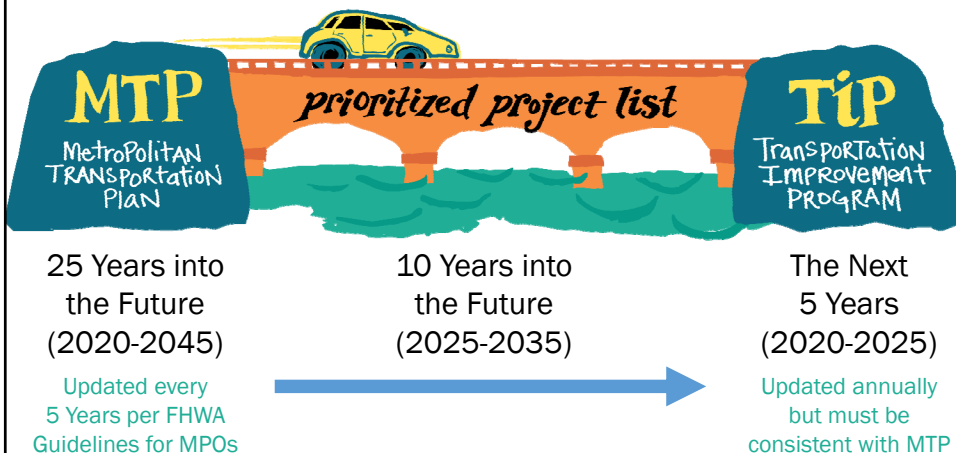
Key Topics – Adoption by Reference

- FDOT/FHWA Goals, Objectives, and Targets
- SIS Unfunded Needs and Cost Feasible Projects
- Toll Funded Projects
- Private Partnerships
- Locally Funded Projects



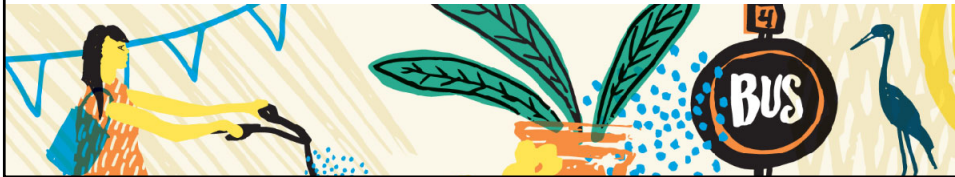
2045 MTP: Cost Feasible Plan

Key Topics – Plan Consistency



Next Steps

Alex Trauger – MetroPlan Orlando



Upcoming Meetings

Alex Trauger – MetroPlan Orlando



2020 Meeting Schedule

January 17th | 9:30 a.m.
Congestion Management Process & Performance Monitoring

March 19th | 9:30 a.m.
Introduction to Scenario Planning

June 16th | 9:30 a.m.
Scenario Planning Concepts & Need Assessment Approach

September 16th | 9:30 a.m.
Preliminary Needs & Planning Strategies

November 3rd | 9:30 a.m.
Cost Feasible Plan & Adoption Activities



Public Comments

Alex Trauger – MetroPlan Orlando



Public Comments

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