

Municipal Advisory Committee

May 5, 2022



- I. Call to Order and Pledge of Allegiance
- II. Chairman's Comments
- III. Agenda Review
- IV. Roll Call and Confirmation of Quorum
- V. Public Comments on Action Items
- VI. Agency Reports
- VII. Action Items
- VIII. Presentations and Status Reports**
- IX. General Information
- X. Upcoming Meetings
- XI. Member Comments
- XII. Public Comments
- XIII. Adjournment



AGENDA

VIII. Presentations / Status Reports

A. Presentation on Turnpike Widening PD&E Study





Turnpike (SR 91) Widening Project Development and Environment (PD&E) Study

from South of SR 408 to SR 50 (MP 263 to 273)

Orange County

Project Number: 444007-1

MetroPlan Orlando

TSMOAC - April 22, 2022

TAC – April 22, 2022

CAC – April 27, 2022

MAC - May 5, 2022

MPO Board – May 11, 2022

Agenda

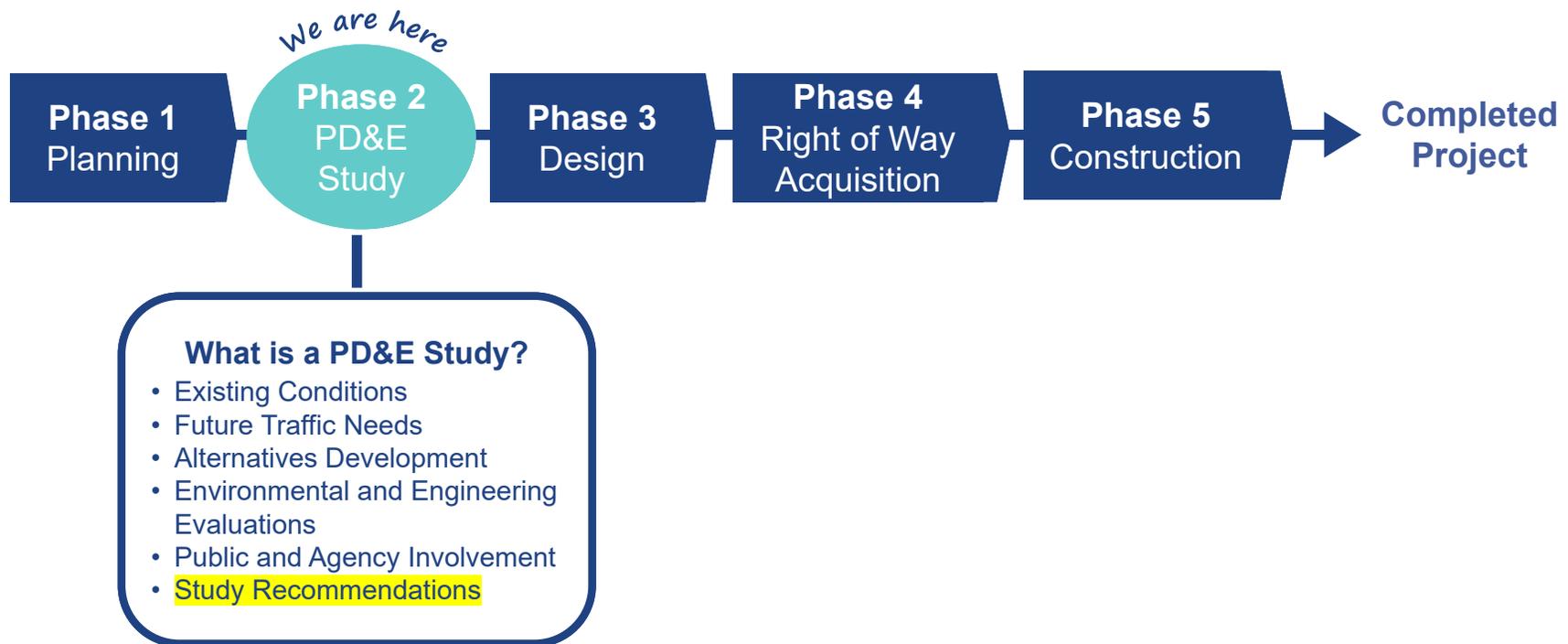


1. Project Overview
2. Purpose and Need
3. Preferred Alternative
4. No-Build Alternative
5. Schedule

April 22 – May 11, 2022

www.Turnpike408to50.com

Project Development Process



Study Limits

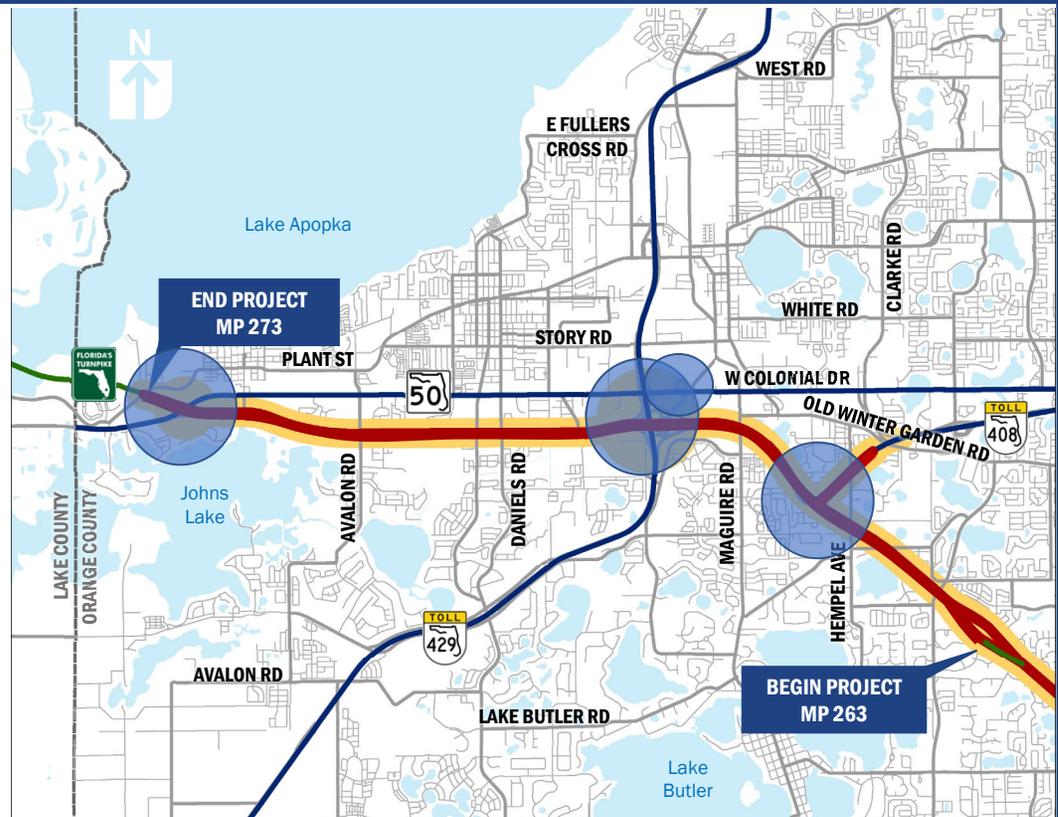
- Florida's Turnpike (SR 91) from south of SR 408 to SR 50 (Clermont/Oakland)
 - Mile Post 263 to 273 (Approximately 10 miles)
- SR 408 from SR 91 to Old Winter Garden Road
 - Approximately 1 mile



Study Scope

Includes the evaluation of:

- Existing and future (2045) traffic conditions
- Modifications to existing interchanges
 - SR 408
 - SR 50 (Ocoee/Winter Garden)
 - SR 429
 - SR 50 (Clermont/Oakland)



Project Purpose and Needs

- The project purpose is to increase capacity on Florida's Turnpike to accommodate future traffic volumes and to improve emergency evacuation times.
- Project needs include:



Enhance safety



Improve system linkage



Accommodate traffic demands



Enhance Central Florida's economic viability



Improve travel time reliability

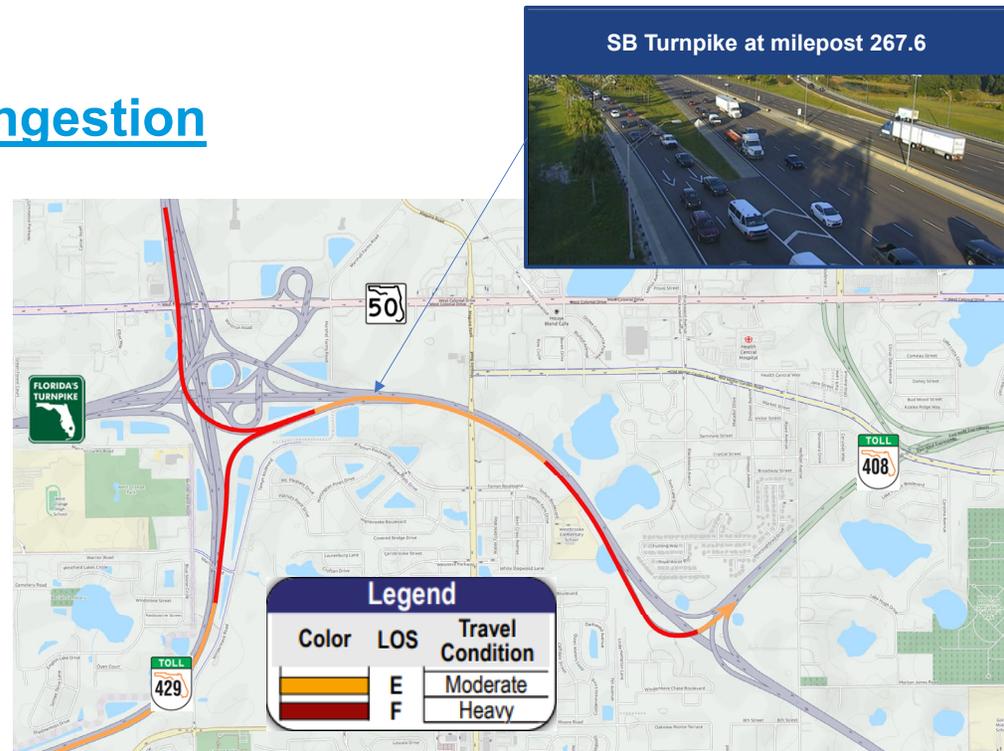


Enhance emergency response and evacuation

Project Purpose and Needs

Current AM Peak Traffic Congestion

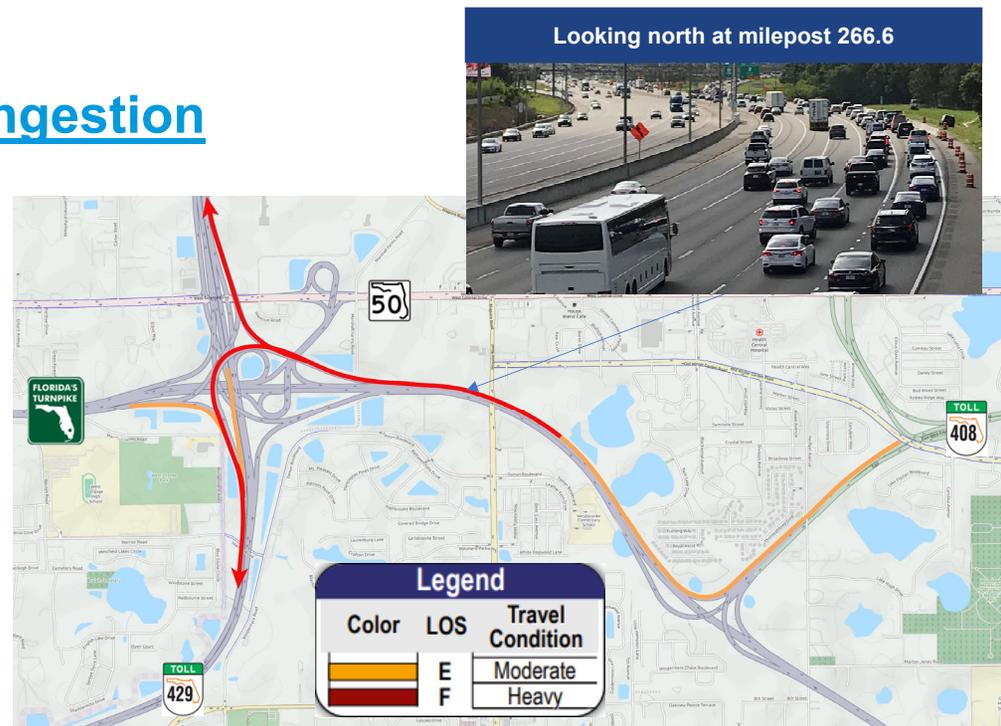
- Inadequate SB ramp capacity
- Inadequate SB merge and weaving opportunities
- CFX SR 429 widening will deliver more traffic to congested ramps faster



Project Purpose and Needs

Current PM Peak Traffic Congestion

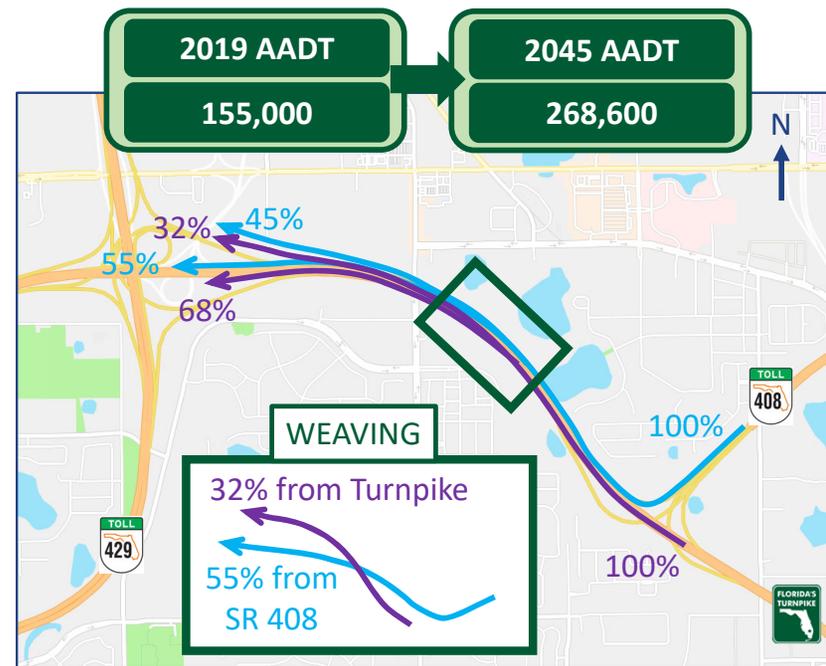
- Inadequate NB ramp capacity
- Inadequate NB merge and weaving opportunities



Project Purpose and Needs

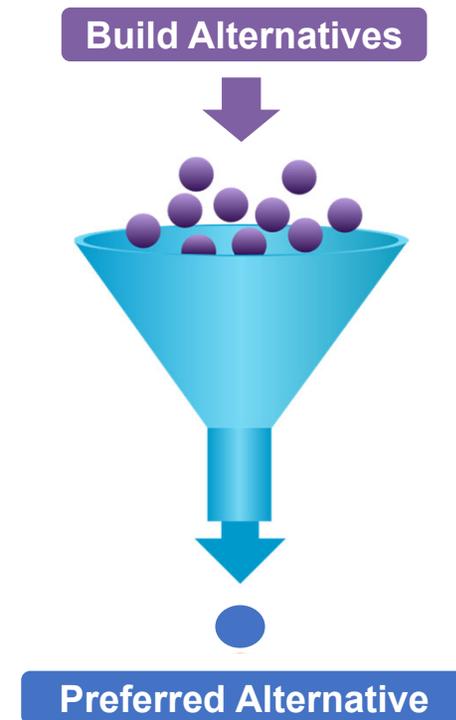
Travel Characteristics

- 45% of the traffic from SR 408 exits at SR 429
- 32% of the Turnpike traffic exits at SR 429
- Daily traffic volume projected to increase more than 110,000 vehicles by 2045
- Additional capacity needed to meet projected travel demand and accommodate safe weaving movements



Preferred Alternative

- The identification of the preferred alternative was based on:
 - Results of alternatives evaluation
 - Local agency feedback
 - Public input
 - Results of Value Engineering Study



Recommended Build Alternative



Preferred Alternative

Turnpike Widening – South of SR 408



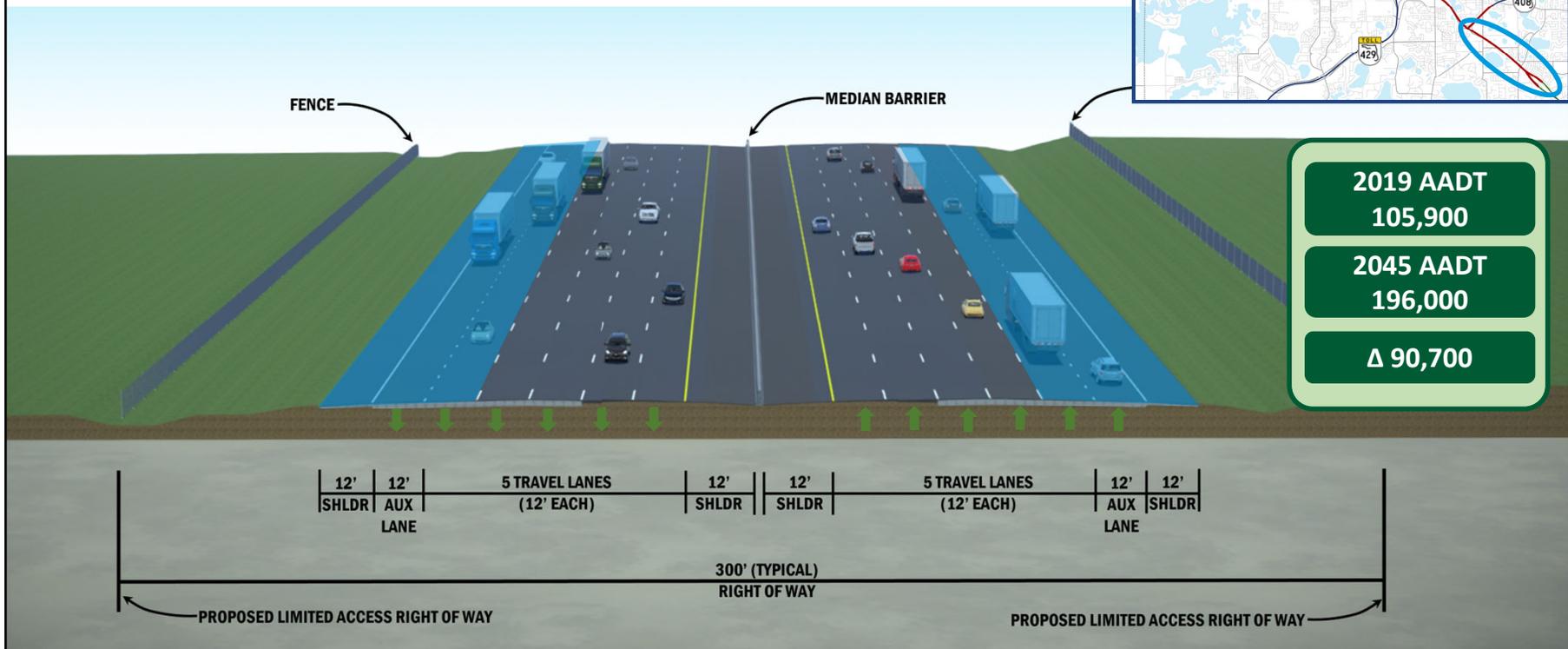
April 22 – May 11, 2022

www.Turnpike408to50.com

Preferred Alternative

Turnpike Widening – South of SR 408

Proposed Typical Section



2019 AADT 105,900
2045 AADT 196,000
Δ 90,700

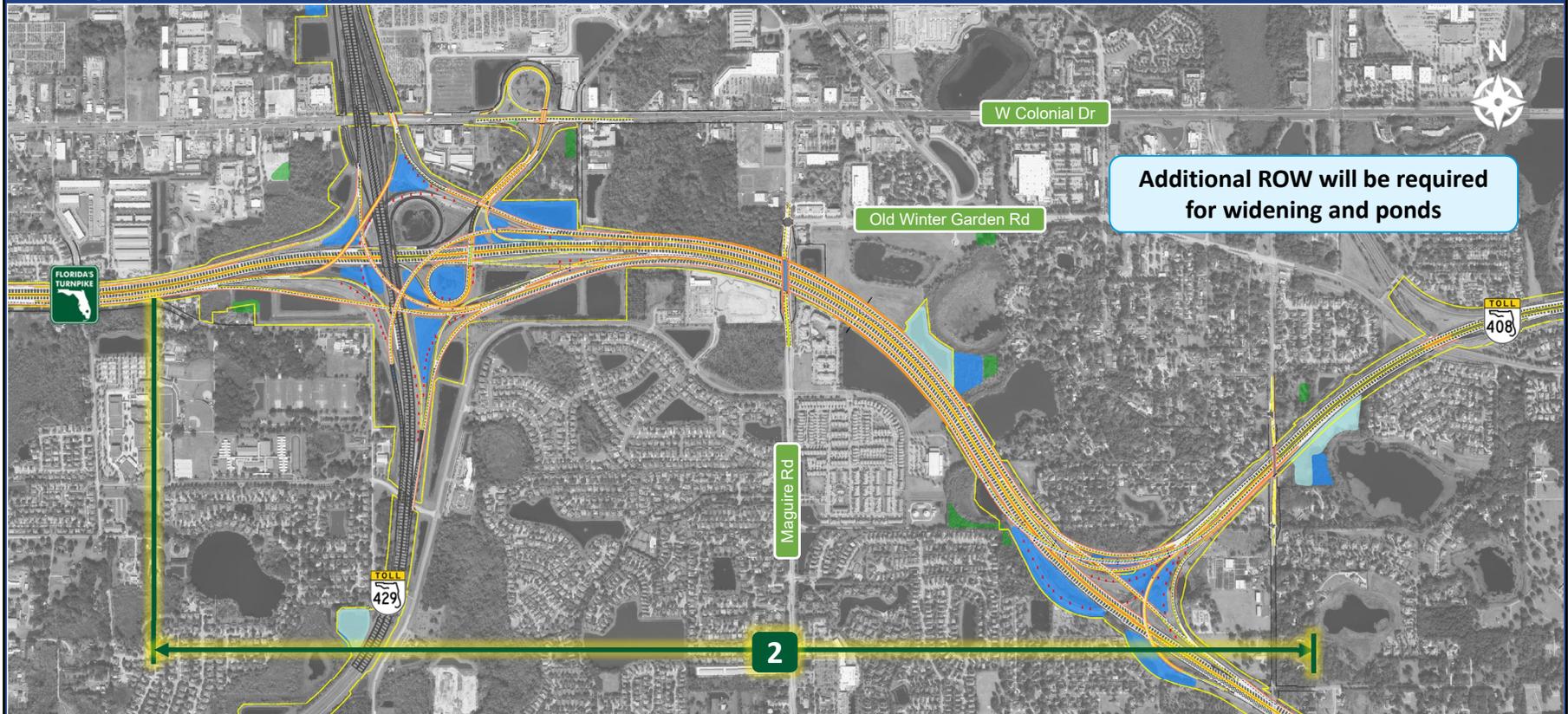
April 22 – May 11, 2022

www.Turnpike408to50.com



Preferred Alternative

Turnpike Widening – SR 408 to SR 429



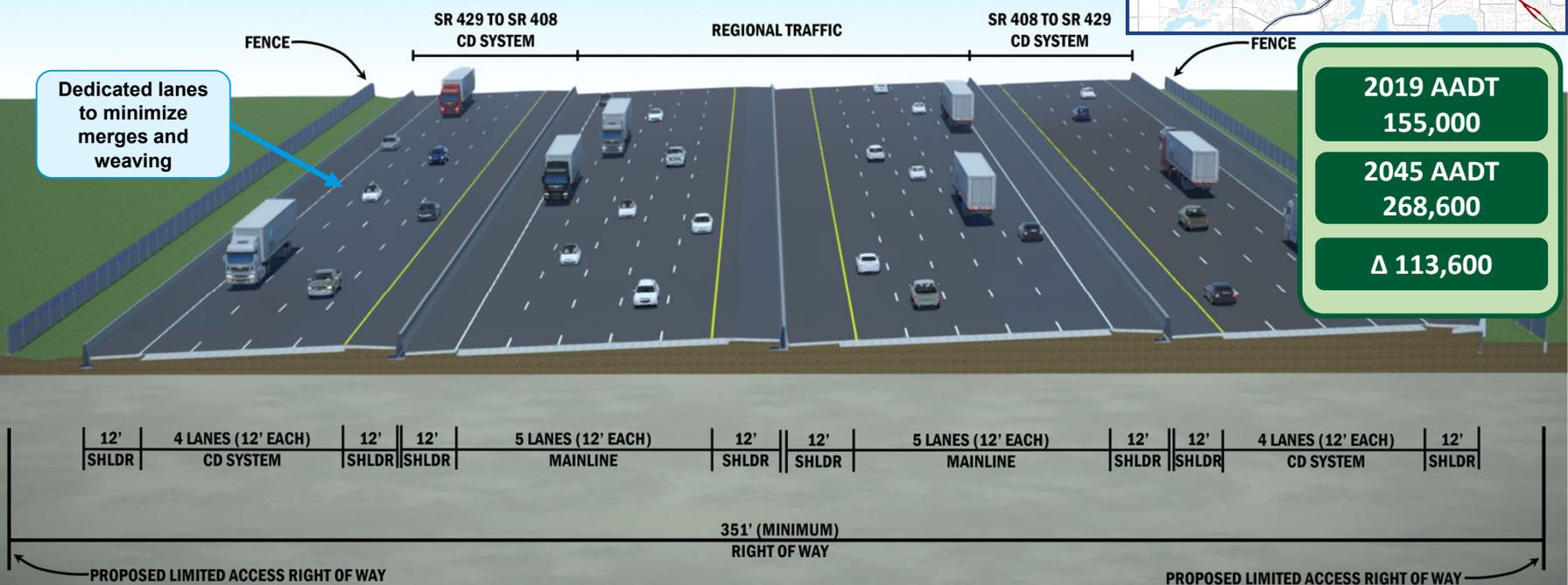
April 22 – May 11, 2022

www.Turnpike408to50.com

Preferred Alternative

Turnpike Widening – SR 408 to SR 429

Proposed Typical Section



April 22 – May 11, 2022

www.Turnpike408to50.com

Preferred Alternative

Turnpike Widening – SR 429 to SR 50



April 22 – May 11, 2022

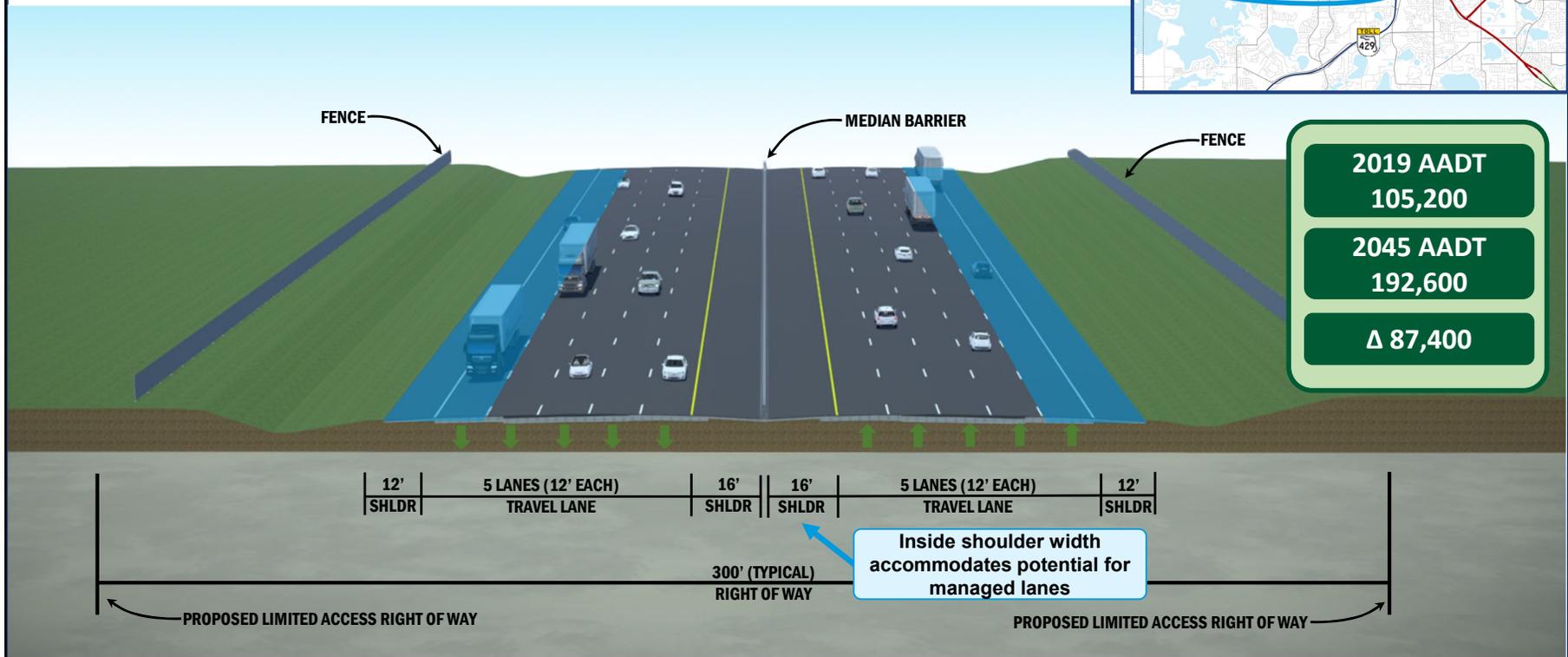
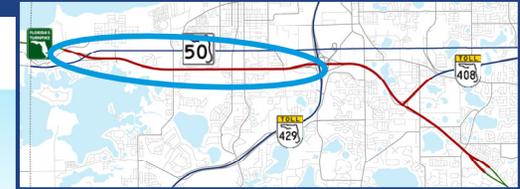
www.Turnpike408to50.com



Preferred Alternative

Turnpike Widening – SR 429 to SR 50

Proposed Typical Section



2019 AADT 105,200
2045 AADT 192,600
Δ 87,400

April 22 – May 11, 2022

www.Turnpike408to50.com

Preferred Alternative

Interchanges



Preferred Interchange Alternatives

- SR 408 Interchange
- SR 429 Interchange
- SR 50 (Ocoee / Winter Garden)
- SR 50 (Oakland / Clermont)

Preferred Alternative

SR 408 Interchange

SR 408 Interchange

Objectives

- Increase interchange capacity
- Improve safety characteristics
- Accommodate CD system

Characteristics

- Maintains SR 408 to SB Turnpike
- New connections to/from NB Turnpike
- Fits within Turnpike right of way



Preferred Alternative

SR 429 Interchange

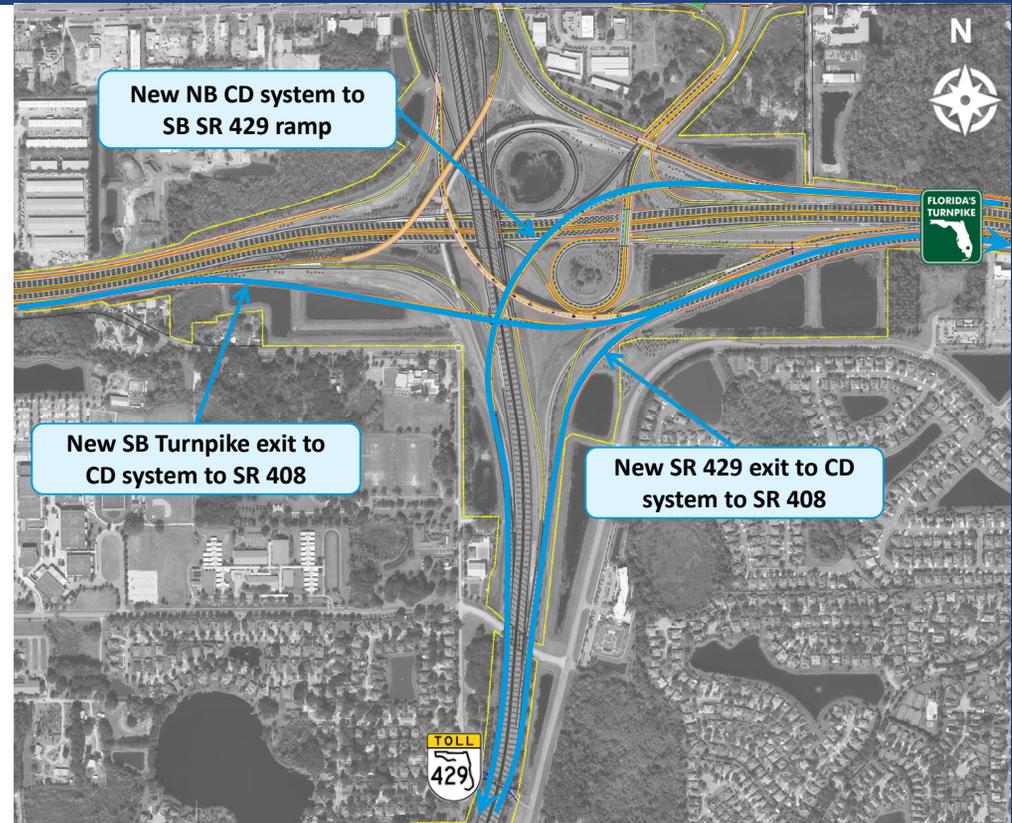
SR 429 Interchange

Objectives

- Increase interchange capacity
- Improve safety characteristics
- Accommodate CD system

Characteristics

- Replaces Northbound Turnpike to Southbound SR 429 ramp
- Modifications fit within Turnpike right of way



Preferred Alternative

SR 50 (Ocoee / Winter Garden)

SR 50 (Ocoee / Winter Garden)

Objectives

- Improve operations and safety at eastbound SR 50 / Marshall Farms Road intersection

Characteristics

- New dedicated eastbound SR 50 right turn lane
- Revise Turnpike to eastbound SR 50 ramp
- Actuated signal to control ramp / SR 50 right turn movements only
- Provide eastbound SR 50 bike / ped facilities consistent with existing



Preferred Alternative

SR 50 (Oakland / Clermont)

SR 50 (Oakland / Clermont)

Objectives

- Improve operations and safety

Characteristics

- Modified Diverging Diamond Interchange
- Maximizes the length of the at-grade northbound exit
- Reduces traffic signal phases
- Enhances bike / ped facilities along SR 50



Effects Evaluation

Effects evaluations will be documented in the State Environmental Impact Report

- **Social**
 - Community Resources
 - Parks & Recreational Resources
 - Potential Relocations
- **Cultural**
 - Historic Resources
 - Archaeological Resources
- **Physical**
 - Air Quality
 - Contamination
 - Noise
- **Natural**
 - Wetlands
 - Wildlife & Habitat
 - Water Quality
 - Floodplains



State Environmental Impact Report

Turnpike (SR 91) Widening Project Development and Environment (PD&E) Study

from South of SR 408 to SR 50 (MP 263 to 273)
Orange County, Florida

Financial Project ID (FPID) No. 444007-1-22-01
ETDM No.: 14378



Draft – June 2022

- **Studies Done in Accordance with:**
 - Executive Order 11988 *Floodplain Management*
 - Executive Order 11990 *Protection of Wetlands*

No-Build Alternative

- Advantages

- No additional social, cultural, physical or natural environmental impacts
- No additional right of way
- No capital costs

- Disadvantages

- Increased peak period congestion on Turnpike, SR 429, SR 408 and SR 50 mainlines and at interchanges
- Slower emergency response times
- Inefficient emergency evacuation
- Does not accommodate future growth or economic development
- Does not satisfy Purpose and Need



2045 Traffic Benefits of Preferred Alternative

 Reduced Congestion and Delay in Study Area

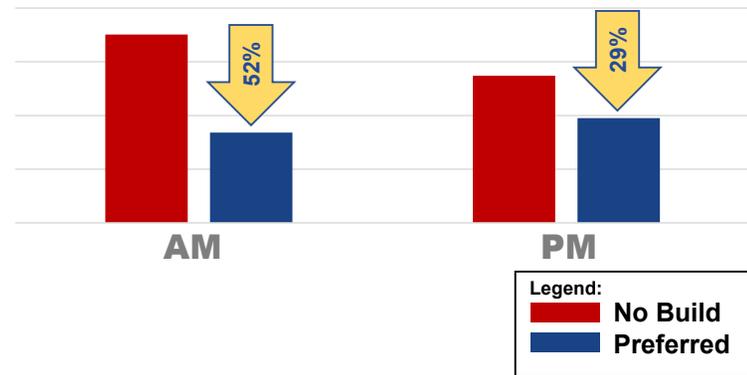
NO BUILD 

PREFERRED 

 Improve Safety in Study Area

 Reduced Travel Time in Study Area

AM = 52% Reduction **PM = 29% Reduction**



Agency Coordination



Public Outreach Schedule



- Multiple participation options for July 19, 2022 Public Hearing:
 - In-person
 - Virtual / Online
 - By Telephone in listen-only mode

VIII. Presentations / Status Reports

B. Presentation on Tracking the Trends report



Tracking the Trends

A Regional Indicators Report

Semiannual Update - May 2022



Why do we track the trends?

- It's the law...
 - Performance Based Planning
 - Congestion Management Process
- Investment Insights
- Considerations
 - Availability
 - Frequency
 - Coverage
 - Resolution
 - Format



Contents

Area Profile

Asset Inventory

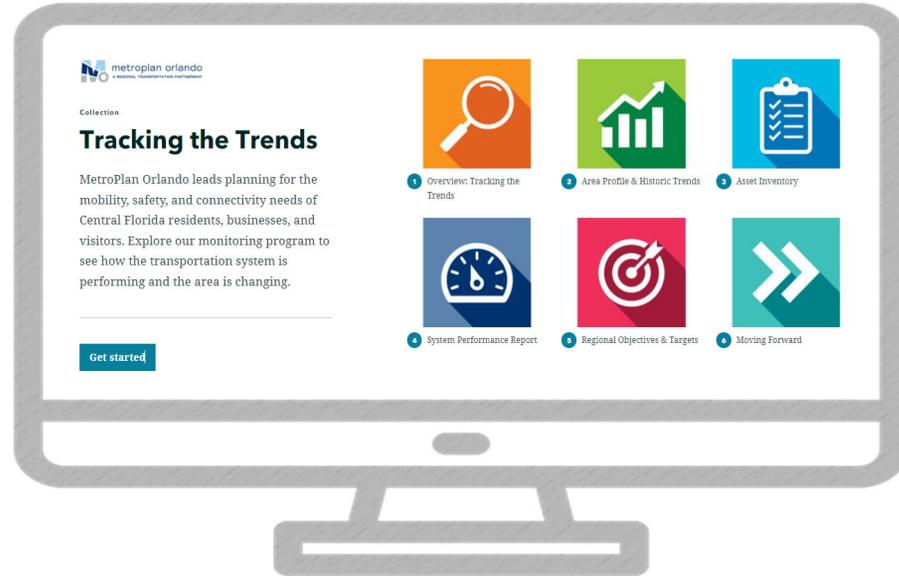
System Performance Report

Regional Objectives & Targets





www.MetroPlanOrlando.org/Trends



100+
Indicators

5 - 20
Years of Trend Data

8,028
Roadway Centerline Miles

2,854
Square Miles of Study Area

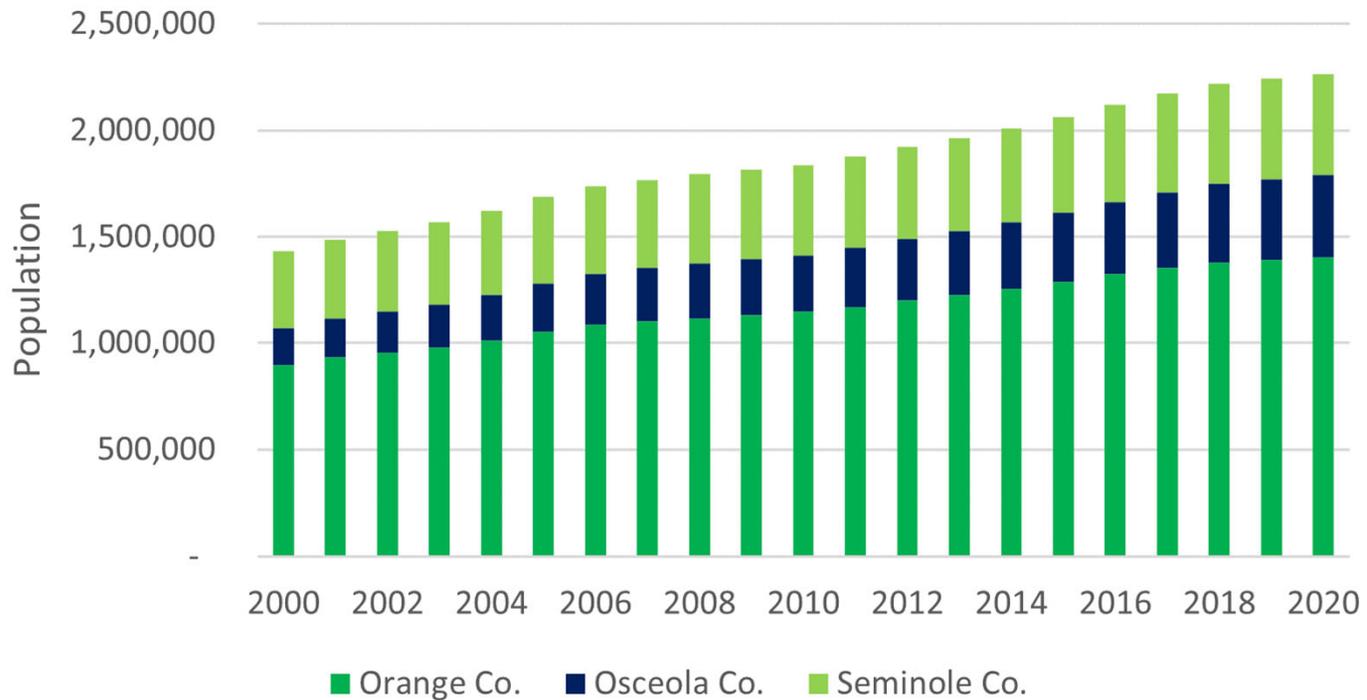
20
Interactive Maps

46
Regional Targets Reported

Population continues to grow



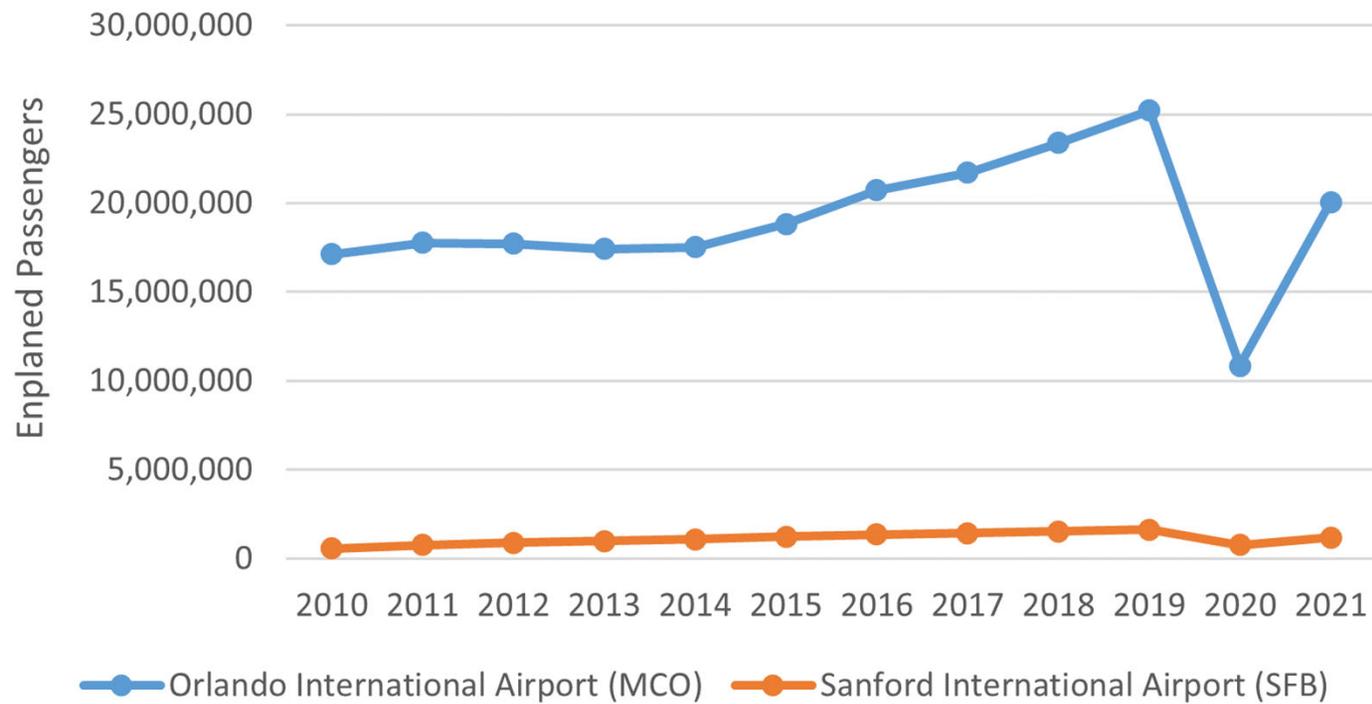
Historical Population - Metro Orlando (3-County)



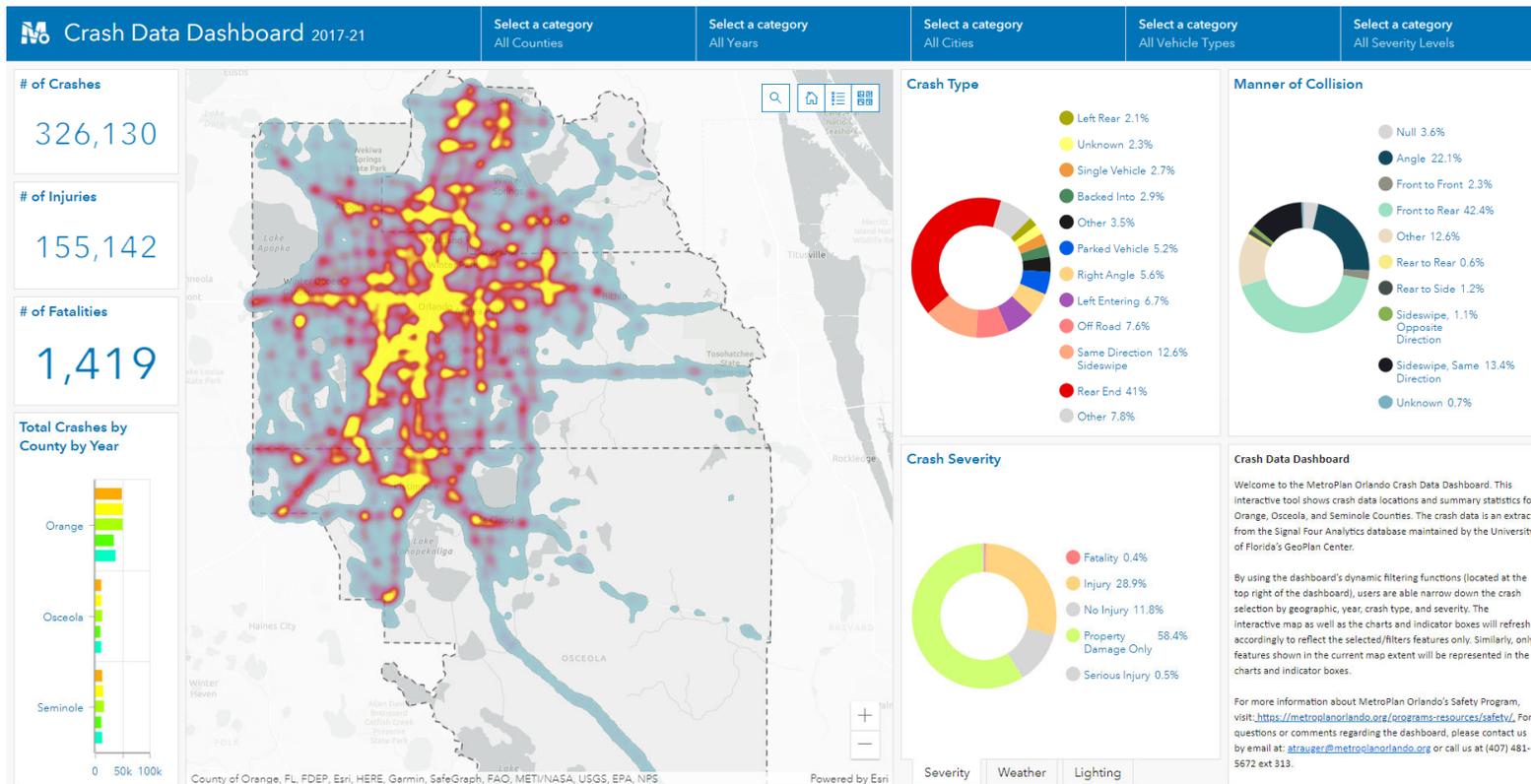
Visitation is rebounding



MCO and SFB Passengers



Safety is still a concern



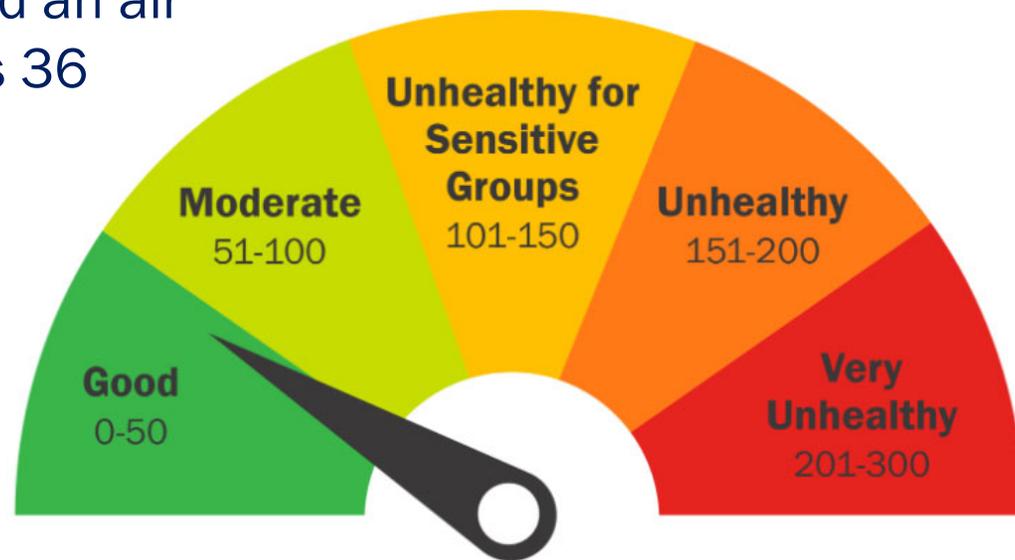
<https://metroplanorlando.org/maps-tools/crashdata/>

It's almost Air Quality season



Over the past 5 years, the region has experienced an air quality index as low as 36 and as high as 87.

5-Year Average = 50



Air Quality Index

What's next?

Updates to Prioritized Project List

Continued Monitoring & Reporting

Improvements to GIS Networks /
Geospatial Databases

More Visualization & Dashboards



Thank You

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