



FLORIDA'S FREIGHT MOBILITY & TRADE PLAN

Regional Freight Forum Series

District 5 – June 12, 2023



- Welcome
- The Statewide Freight Plan
- The Regional Perspective
- Breakout Session
- Concluding Remarks

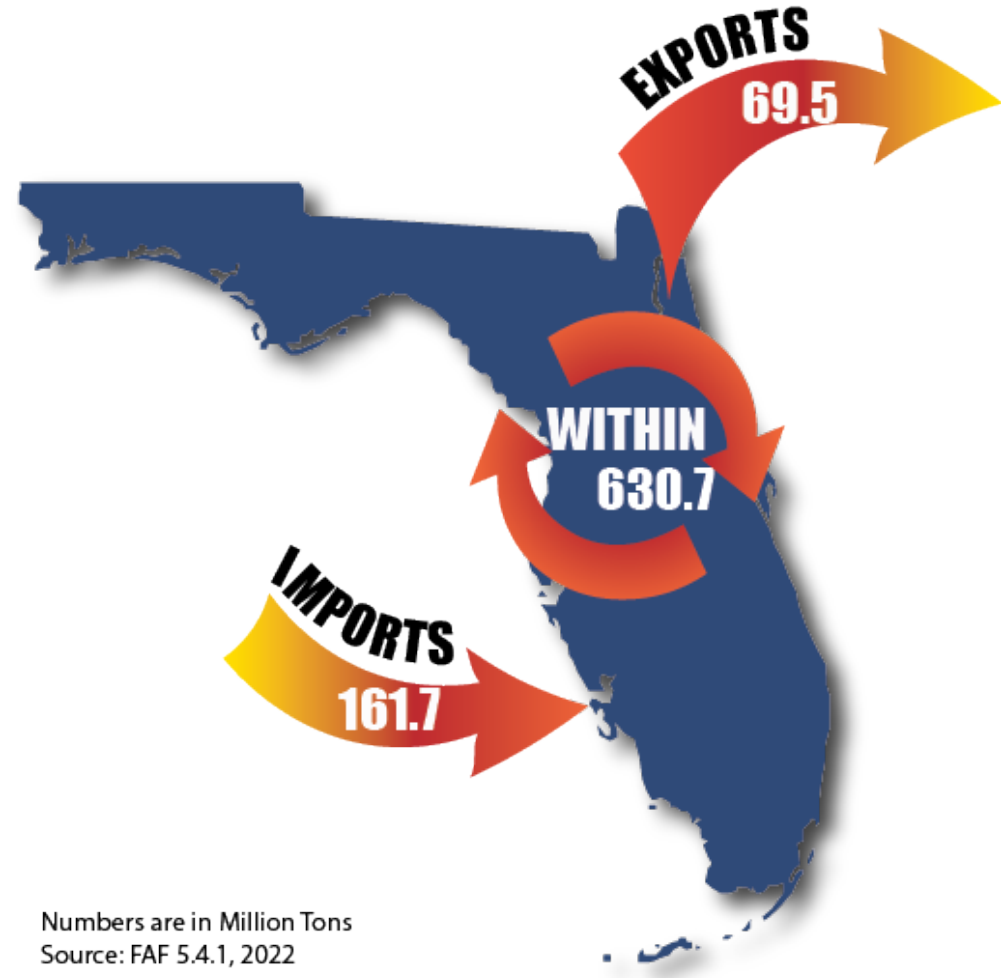
AGENDA

THE STATEWIDE FREIGHT PLAN



The Importance of Freight

- Freight impacts your everyday life
- Florida's freight system is critical to the economic vitality of the state
- As the third most populous state in the U.S., Florida consumes a significant amount of goods and commodities
- Florida is strategically positioned as a regional and national gateway



Numbers are in Million Tons
Source: FAF 5.4.1, 2022

Why Plan for Freight?

Purpose

- Identify freight mobility issues and needs
- Develop policies, programs and projects
- Support economic development and commercial trade
- Fulfill federal regulations

Characteristics

- Multimodal – all freight modes
- Intermodal connectivity
- Understandable & pragmatic
- Implementable plan
- Supports on-going planning
- Prioritization: Highest needs matched with project selection

Cohesion

- Supports LRTP
- Aligns with modal plans: Rail, Highway, Maritime, Space and Air
- Supports federal freight goals
- Provides support & guidance for local freight planning/District plans

What is the FMTP?

- A comprehensive plan that focuses on the movement of goods in, out, and around Florida
- Identifies freight transportation facilities critical to the state's economic growth and guides multimodal freight investments in the state
- Required to receive funding under the National Highway Freight Program



A Brief History

2012

MAP-21 established national freight policy and goals and a formal national freight network. Florida's House Bill 599 directed the State to create a freight plan.

2013/14

Florida published its first Statewide Freight Plan



2015

The FAST Act created a National Multimodal Freight Network and dedicated freight funding through the National Highway Freight Program.

2017

A freight office was established within FDOT.

2020

Florida published its second FMTP.



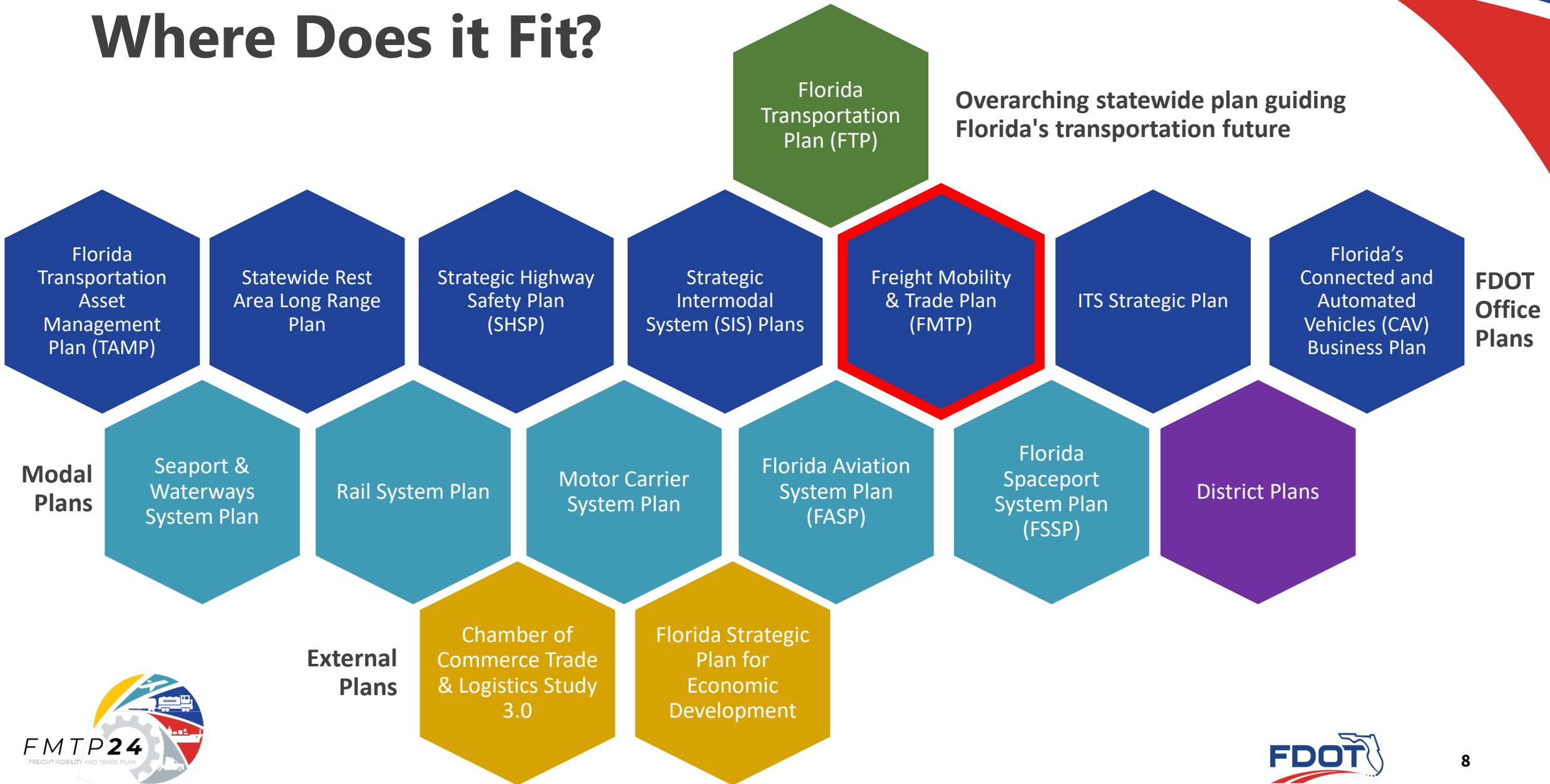
2021

The IIJA was passed, creating the opportunity for substantial investments in freight infrastructure.

2023

FDOT is working on Florida's third Statewide Freight Plan.

Where Does it Fit?



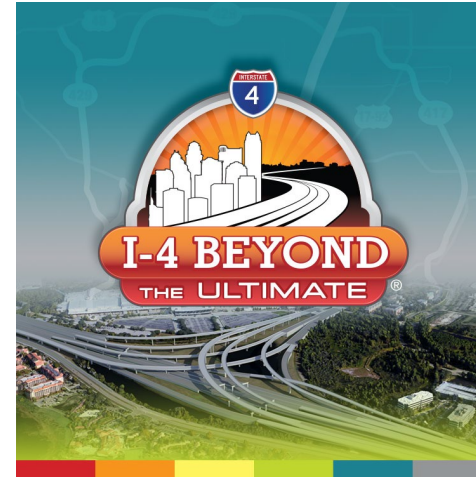
Who Benefits, and How?

General Public	to understand freight's contribution to every day life
Local Government	to measure progress using plan metrics, leverage grants, apply for funding
Elected Officials (Local/Legislature)	to understand freight's role in economy, manufacturing, jobs
Local Chambers of Commerce	to explore freight's share of economy, logistics efficiency, economic strengths, challenges
Manufacturers	to see freight infrastructure availability, logistics efficiency, what places are pro-business
News Outlets and Trade/Business Media	to witness freight's role in daily life and the economy



National Highway Freight Program (NHFP)

- The FMTP helps to determine which projects submitted from around the state will receive funding from the NHFP
- Expected funding amount per FY is ~\$65M
 - Totals finalized in yearly approval process
- This does not increase with the Bipartisan Infrastructure Law

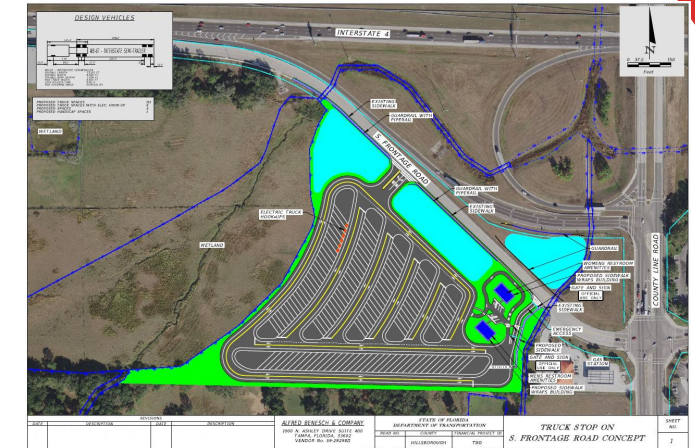


Title:

SR 400 (I-4) 1 Mile of SR 434 to E of SR 15/600 (US17/92) 242592-4 (I-4 Beyond the Ultimate)

NHFP Funds:

\$15,000,000



Title:

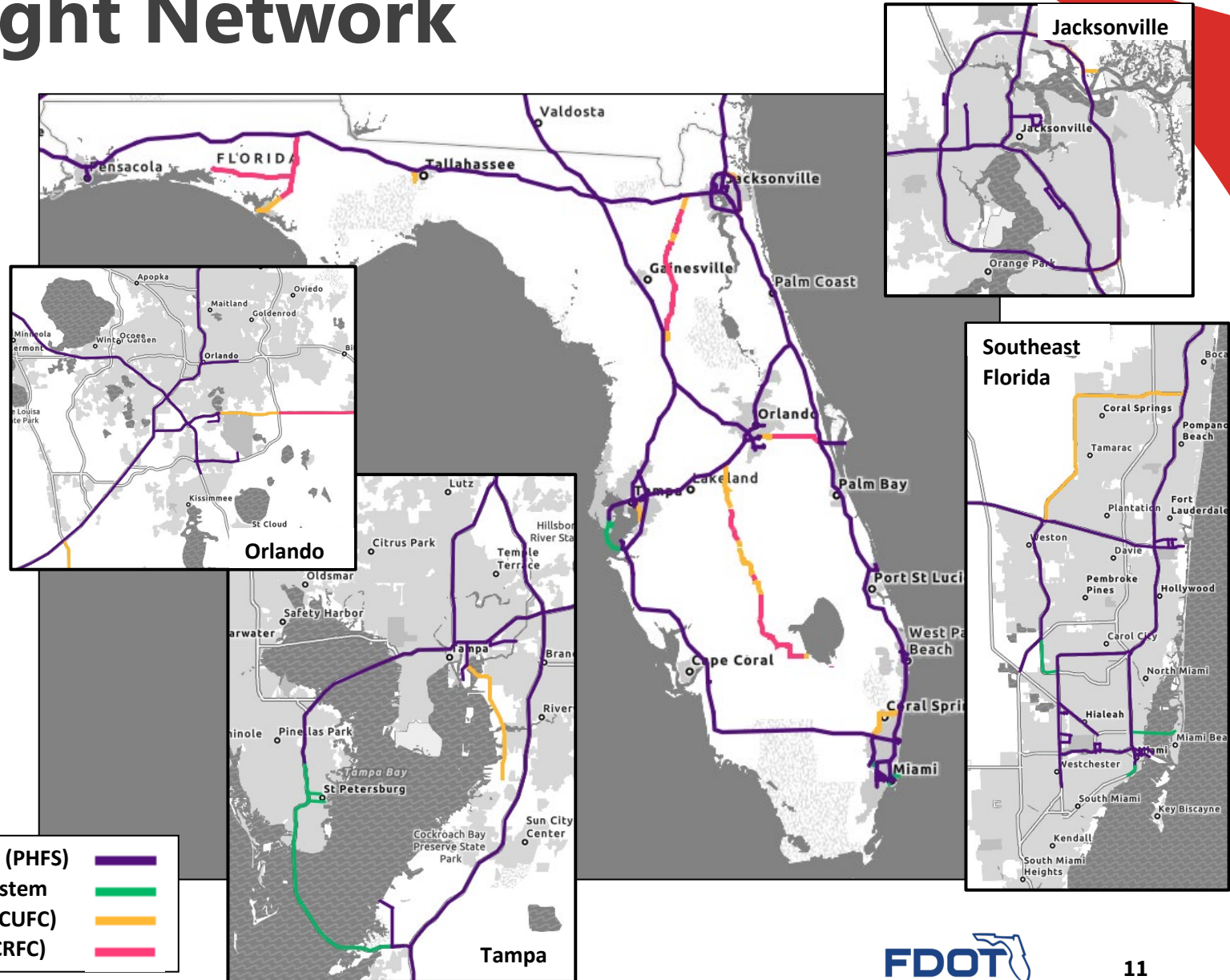
I-4 Truck Parking Facility 448698-1-52-01

NHFP Funds:

\$1,311,404

Relation to the Freight Network

- The National Highway Freight Network (NHFN) helps strategically direct resources toward improved system performance for efficient movement of freight on highways
- Projects submitted for NHFP funding must be on the NHFN or prove that they benefit the NHFN



The 2020 FMTP

8 Technical Memorandums

- TM 1: Policies & Strategies
- TM 2: Systems & Assets
- TM 3: Conditions & Performance
- TM 4: Trends
 - Scenario Planning
- TM 5: Needs & Issues
 - SWOT Analysis
- TM 6: Prioritization & Selection
- **TM 7: Investment & Improvement**
 - Funding
- TM 8: Implementation



10 Chapter Visual Plan

- Chapter 1: Approach
- Chapter 2: Outreach
- Chapter 3: Assets & Conditions
- Chapter 4: Trends
- Chapter 5: Issues & Needs
- Chapter 6: Scenario Planning
- Chapter 7: Prioritization
- Chapter 8: Investment
- Chapter 9: Recommendations
- Chapter 10: Implementation

Updated annually

2020 Objectives



- 1** Leverage multisource data and technology to improve freight system safety and security
- 2** Create a more resilient multimodal freight system
- 3** Ensure the Florida freight system is in a state of good repair
- 4** Drive innovation to reduce congestion, bottlenecks and improve travel time reliability
- 5** Remove institutional, policy and funding bottlenecks to improve operational efficiencies and reduce costs in supply chains
- 6** Improve last mile connectivity for all freight modes
- 7** Continue to forge partnerships between the public and private sectors to improve trade and logistics
- 8** Capitalize on emerging freight trends to promote economic development
- 9** Increase freight-related regional and local transportation planning and land use coordination
- 10** Promote and support the shift to alternatively fueled freight vehicles



Changes Since Last Plan

- Modal Development Office transition
- The COVID-19 pandemic and the challenges with the global supply chain
- New federal requirements & funding through the Bipartisan Infrastructure Law (BIL)
- A new group of FLFAC members
- A new Florida Transportation Plan
- New FDOT focus areas



BIL Changes to Freight Planning



Increases investment in multimodal freight infrastructure

- More formula dollars
- New and enhanced competitive programs



Strengthens policy and programming that guide investments

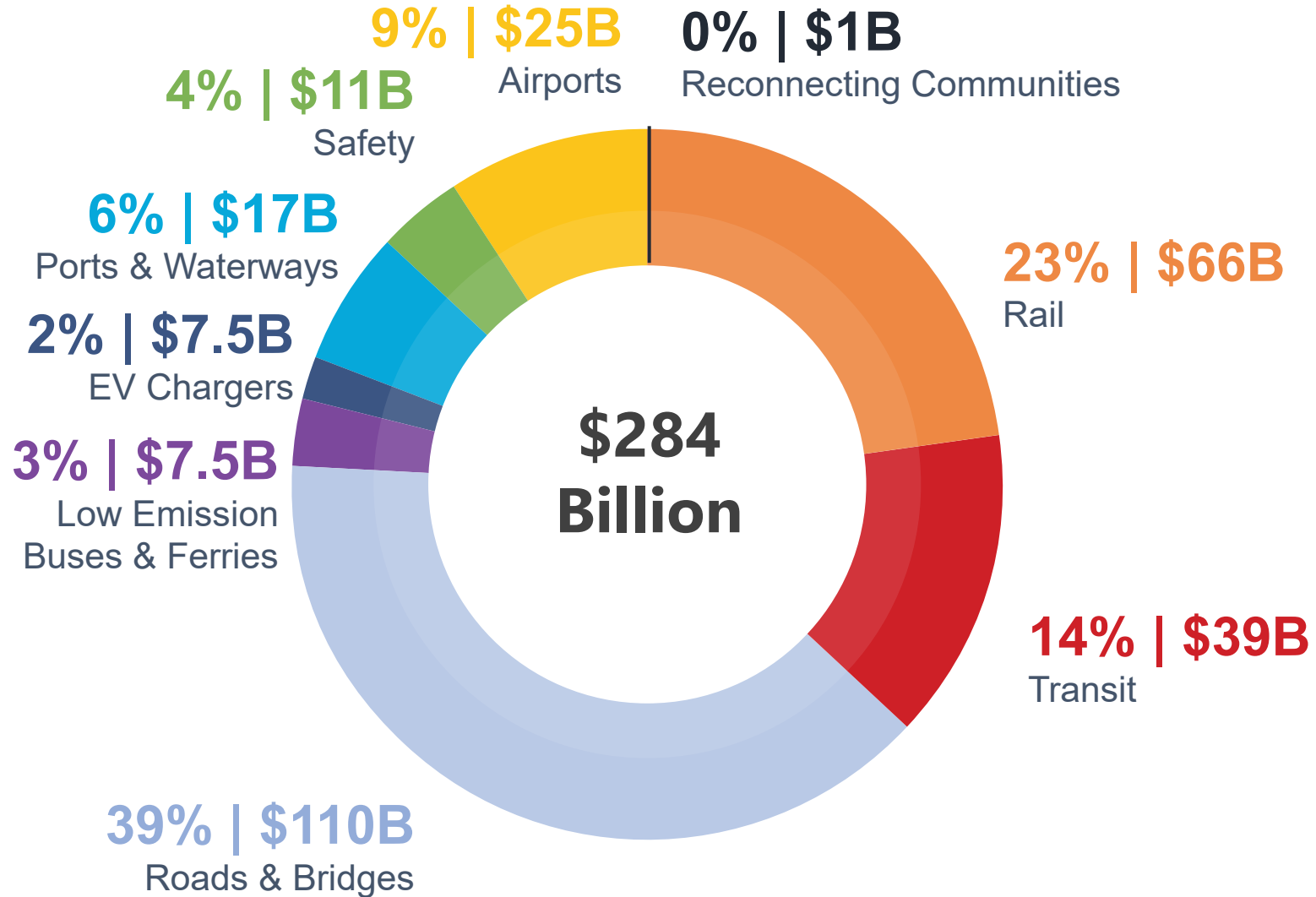
- Expanded eligibility
- Increases critical freight corridors



Establishes Office of Multimodal Freight Infrastructure and Policy within USDOT



New Transportation Investments (Nationally)



Freight Funding Opportunities in IIJA

PROGRAMS	TYPE	FUNDED AMOUNT
National Highway Freight Program	Formula	\$7.2 Billion
National Infrastructure Project Assistance Program ("Mega-projects") (NEW)	Competitive	\$5 Billion
INFRA Program	Competitive	\$8 Billion
RAISE Program	Competitive	\$7.5 Billion
Reduction of Truck Emissions at Port Facilities Program (NEW)	Competitive	\$400 Million

New State Freight Plan Requirements

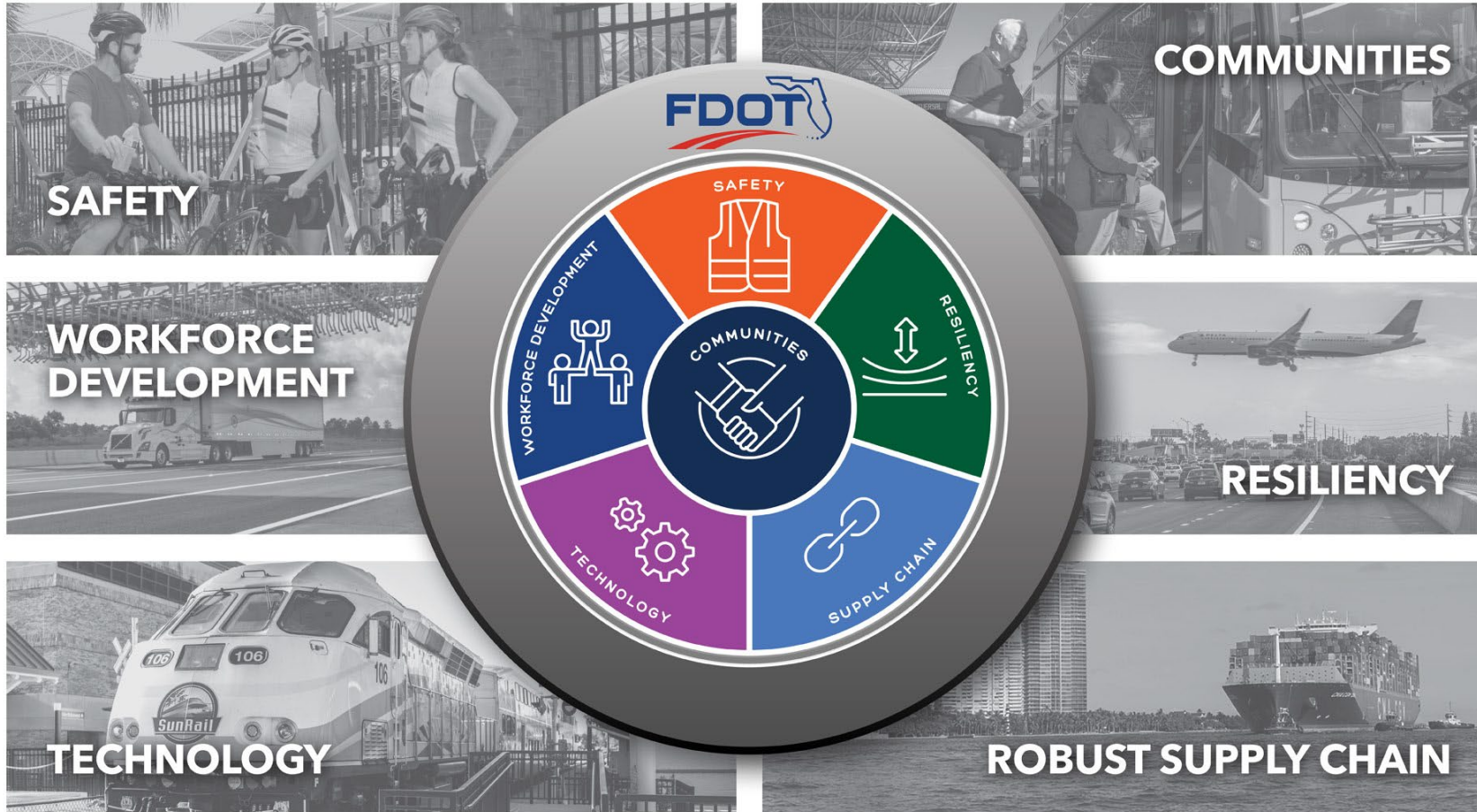
- Must be updated every four years instead of five
- Must include:
 - Supply chain cargo flows
 - Inventory of commercial ports
 - Impacts of e-commerce on freight infrastructure
 - Consideration of military freight
 - Assessment of truck parking facilities in the state
 - Strategies and goals to decrease:
 - The severity of impacts of extreme weather and natural disasters on freight mobility
 - The impacts of freight movement on local air pollution
 - The impacts of freight movement on flooding and stormwater runoff
 - The impacts of freight movement on wildlife habitat loss

FMTP24 Plan Themes

- Innovative**
 - Make data available and interactive
 - Leverage industry best practices & FDOT efforts
- Visual**
 - Incorporate new office branding with a fresh look
 - Build on modular approach to remain concise & digestible
- Strategic**
 - Capture the true freight needs of the state
 - Align projects with funding (both discretionary & grant programs)
- Relevant**
 - Focus areas:
 - Supply chain
 - Resiliency
 - E-commerce
 - Truck parking



FDOT Focus Areas



REGIONAL PERSPECTIVE





FDOT DISTRICT FIVE REGIONAL PERSPECTIVE



District Five

Freight in District Five:

What sets us apart?



POPULATION

4M

Residents



VISITORS

74M

...and counting



EMPLOYMENT

2M

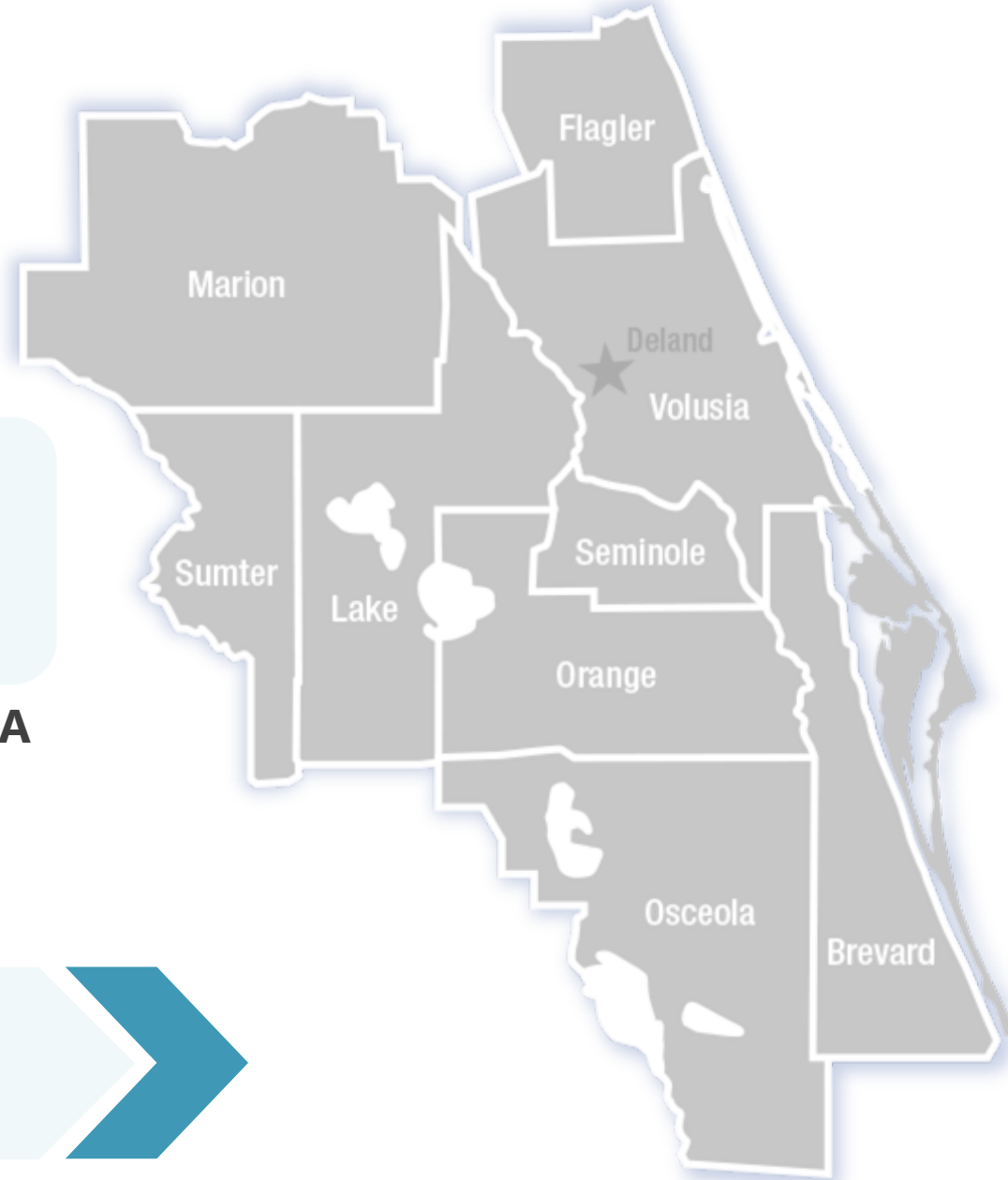
jobs



LAND AREA

9,000

sq. miles



By 2040 freight demand is expected to grow between **35%-61%**

Freight Profile

MAJOR INDUSTRIES BY REVENUE

\$56B

Retail Trade

\$30B

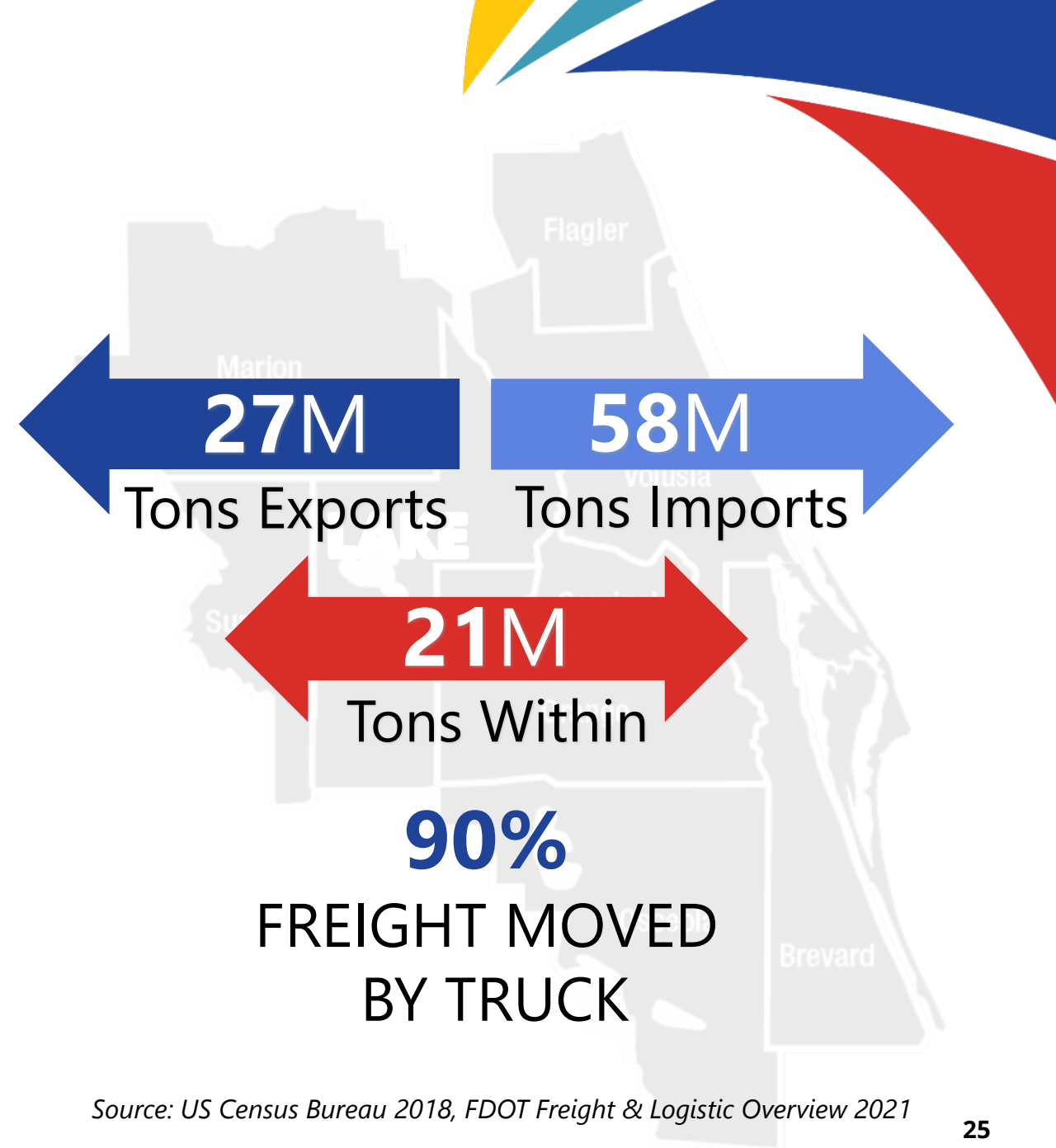
Wholesale Trade

\$42B

Healthcare & Social Assistance

\$24B

Professional, Scientific, and Technical Services



Source: US Census Bureau 2018, FDOT Freight & Logistic Overview 2021

Transportation Infrastructure

2,131 MILES OF STATE HIGHWAY

69M DAILY VEHICLE MILES ON STATE HIGHWAY

160

PUBLIC AND PRIVATE USE AIRPORTS

01

DEEP WATER SEAPORT

02

SPACEPORTS

04

FREIGHT RAIL LINES

01

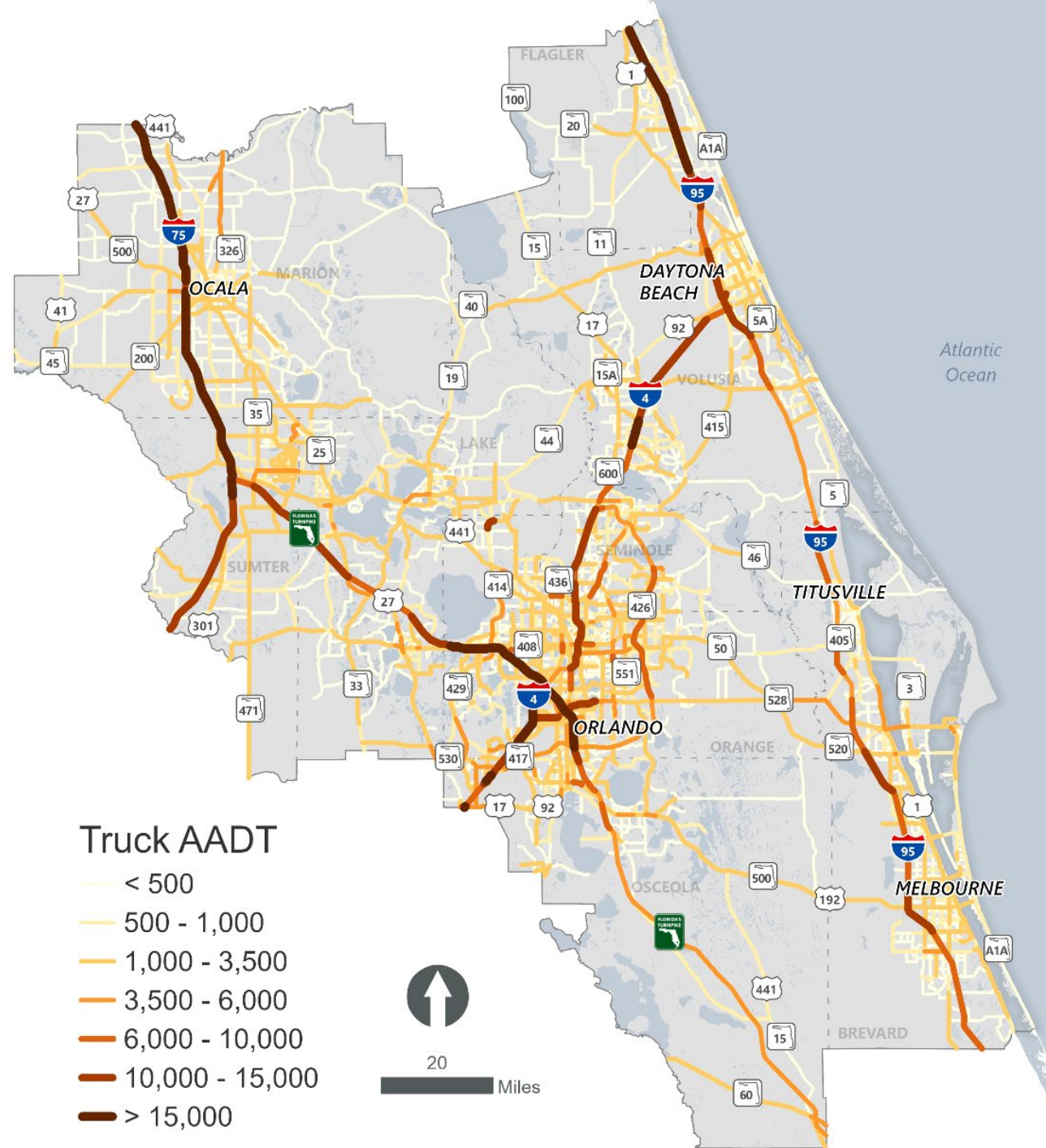
PASSENGER RAIL LINE



Heavily Traveled Truck Corridors



Corridors with Highest Truck Volumes



Critical Facilities



**Orlando Int'l
Airport**

251K

TONS OF CARGO



**KSC
Spaceport**

57

ANNUAL AVERAGE
LAUNCHES



**Port
Canaveral**

7M

TONS OF CARGO

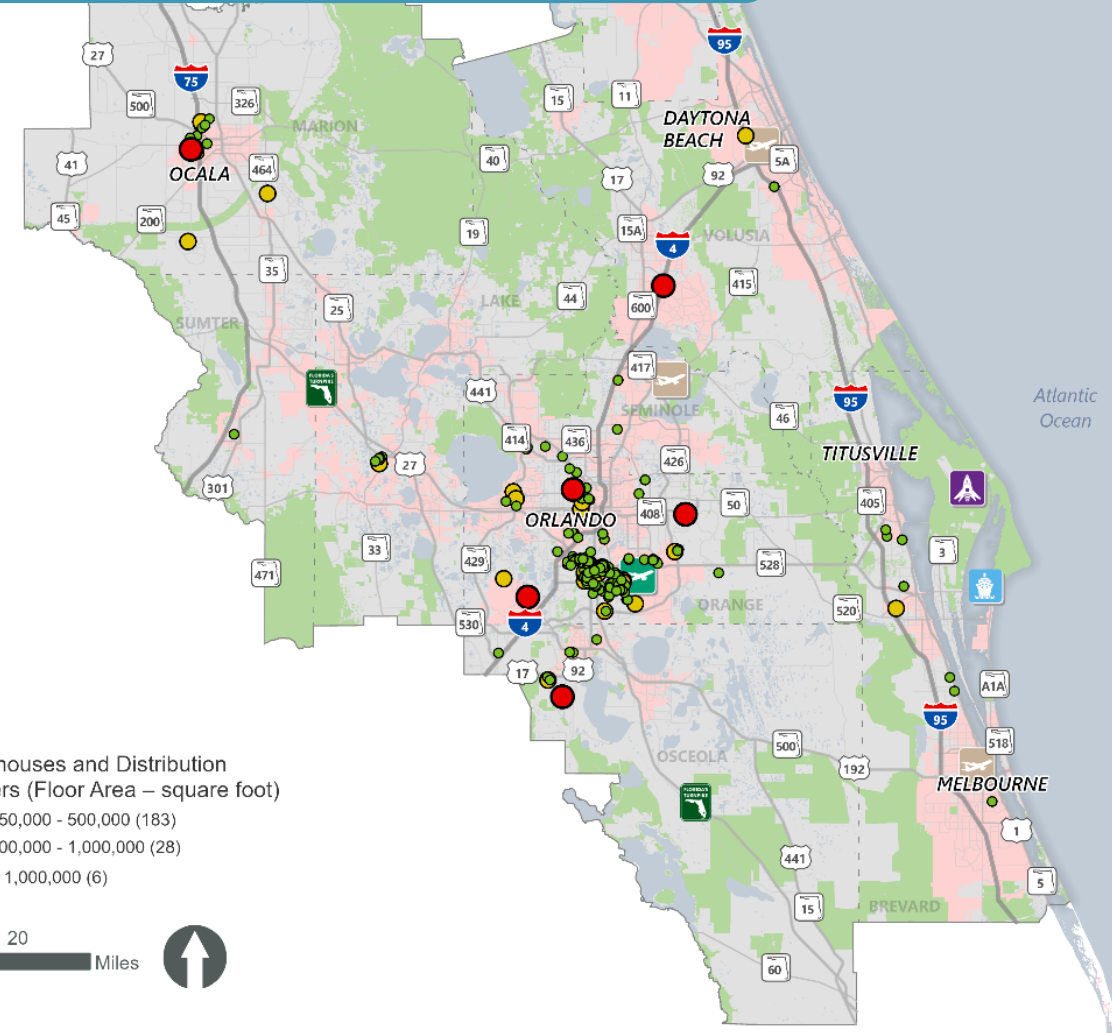


E-commerce

20+

FACILITIES

DISTRICT FIVE FREIGHT AREAS



**CENTRAL FLORIDA IS A GROWING HUB FOR
WAREHOUSE & DISTRIBUTION CENTERS**

Modal & Planning Partners

Working in
Concert
With our
Region



Lake~
Sumter
MPO



MetroPlan
Orlando



Ocala
Marion
TPO



River to
Sea TPO



Space
Coast TPO



ECFRPC



Brevard
County



Flagler
County



Lake
County



Marion
County



Orange
County



Osceola
County



Seminole
County



Sumter
County



Volusia
County



Cape
Canaveral



CSX



FEC



Florida
Trucking
Association



Daytona Beach
International
Airport



Melbourne-
Orlando
International
Airport



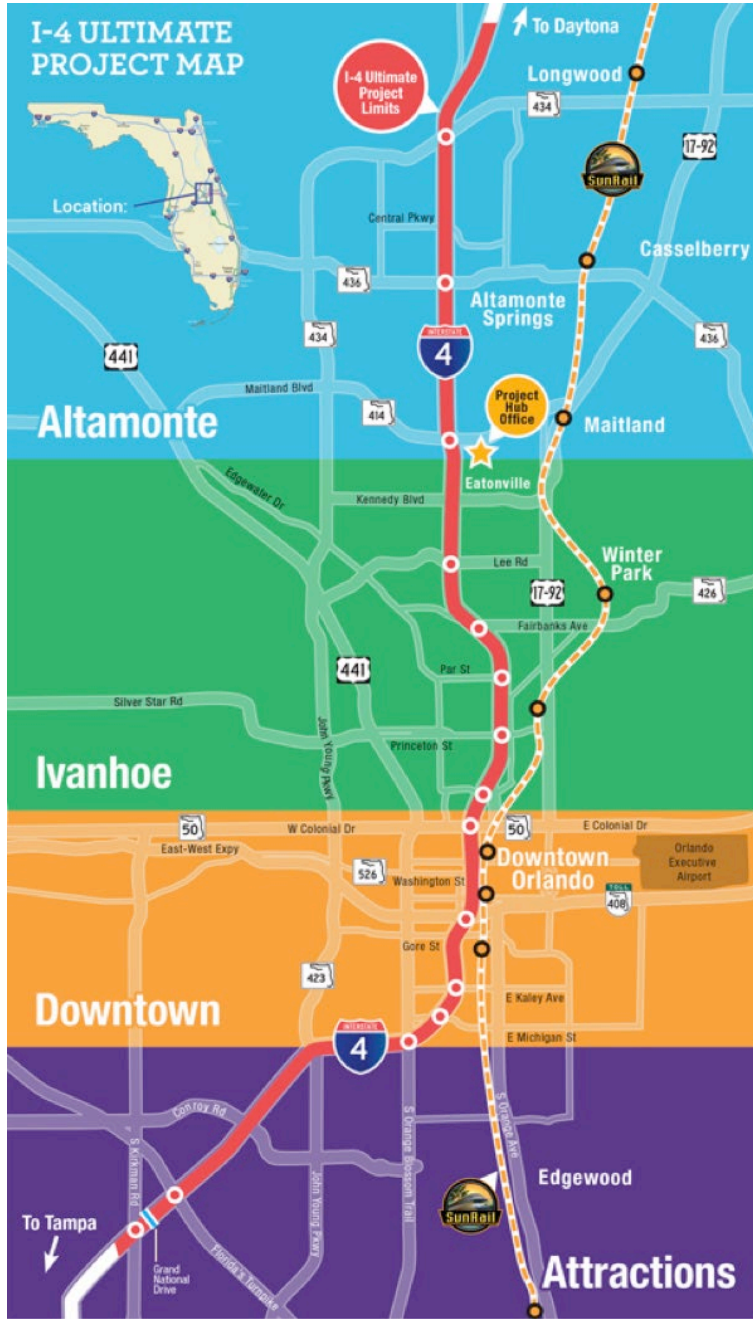
Orlando Sanford
International
Airport



GOAA



Space
Florida



MAJOR PROJECTS

I-4 Ultimate

COMPLETED 2021

\$3 Billion Investment

21-miles of I-4: from west of Kirkman Road in Orange County to east of State Road 434 in Seminole County

140

Bridges Replaced, Widened, or Built

15

Major Interchange reconstructions

4

Express Lanes – Two in Each Direction

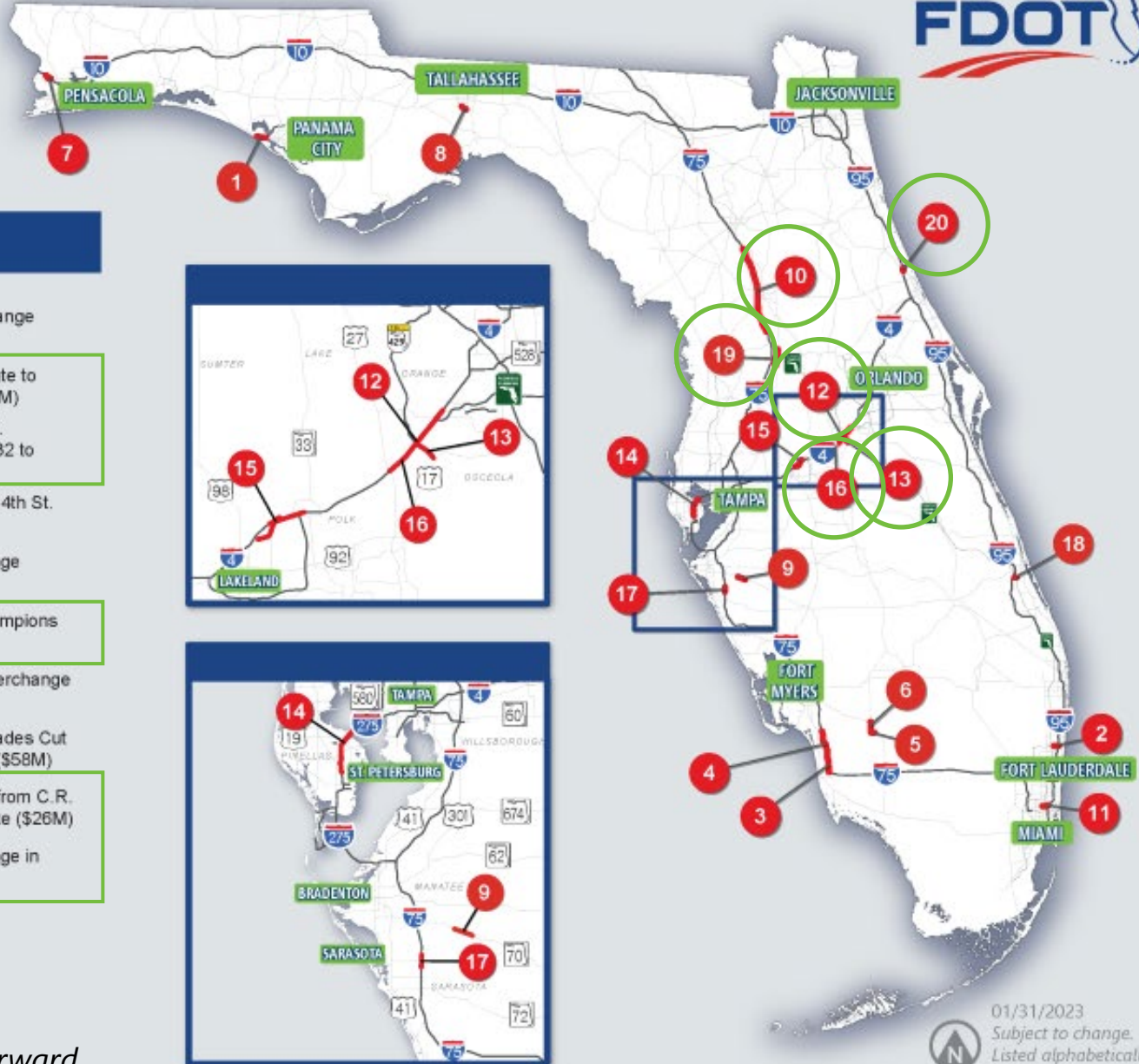
MOVING FLORIDA FORWARD

Infrastructure Initiative



CONGESTION RELIEF PROJECTS (FUNDING)

- | | |
|---|--|
| 1 U.S. 98 from R. Jackson Blvd. to Hathaway Bridge (\$98M) | 11 Golden Glades Interchange (\$150M) |
| 2 SW 10th St. (\$178M) | 12 I-4 from Champions Gate to Osceola Pkwy. (\$1,451M) |
| 3 I-75 at Pine Ridge Rd. Interchange (\$23M) | 13 Poinciana Parkway Ext. Connector from C.R. 532 to S.R. 429 (\$1,318M) |
| 4 I-75 from Golden Gate Pkwy. to Corkscrew Rd. (\$578M) | 14 I-275 from 38th Ave. to 4th St. (\$354M) |
| 5 S.R. 29 from C.R. 846 E to New Market Rd. (\$85M) | 15 I-4 at S.R. 33 Interchange (\$197M) |
| 6 S.R. 29 from New Market Rd. to S.R. 82 (\$44M) | 16 I-4 from U.S. 27 to Champions Gate (\$635M) |
| 7 I-10 from Eastbound weigh station to Nine Mile Rd. (\$162M) | 17 I-75 at Fruitville Rd. Interchange (\$192M) |
| 8 S.R. 263 from S.R. 61 to C.R. 2203 (\$90M) | 18 W Midway Rd. from Glades Cut Off Rd. to Jenkins Rd. (\$58M) |
| 9 S.R. 70 from Bourside Blvd. to Waterbury Rd. (\$53M) | 19 U.S. 301 Realignment from C.R. 470 to Florida's Turnpike (\$26M) |
| 10 I-75 Auxiliary Lanes from S.R. 44 to S.R. 326 (\$479M) | 20 I-95 at U.S. 1 Interchange in Volusia Co. (\$340M) |



@MyFDOT
@MyFDOT

fdot.gov/movingfloridaforward



01/31/2023
Subject to change.
Listed alphabetically
by county.

CURRENT PROJECTS

I-4 Truck Parking Study

TRUCK PARKING NEED ALONG I-4

36

Available
Spaces

481

Existing
Demand

883

Year 2040
Demand

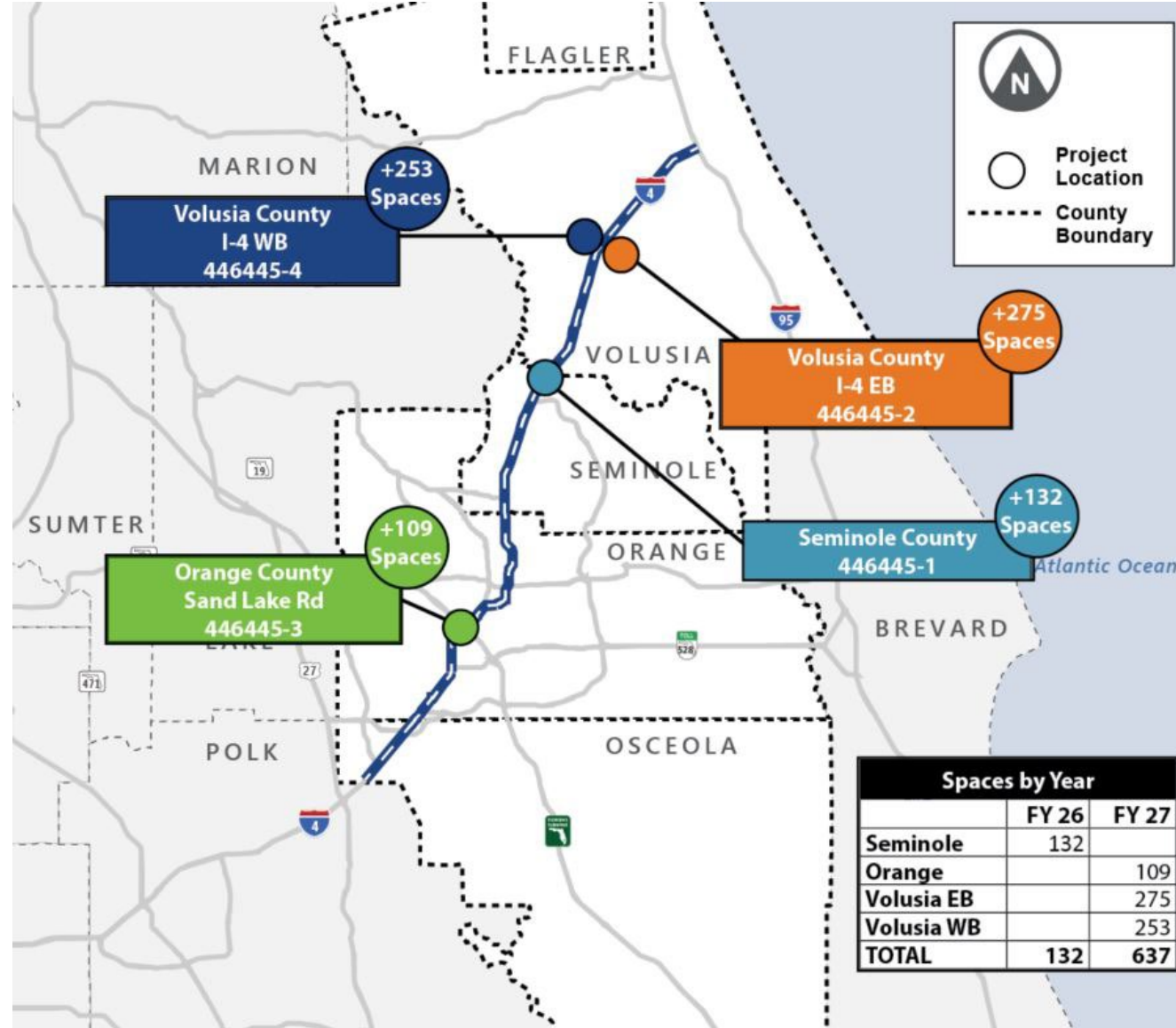
TRUCK PARKING SOLUTION

4

Priority Sites Along
75 Miles of the
Corridor

637

Spaces Are Planned
to be Added Along
the Corridor



COMPLETED PROJECTS

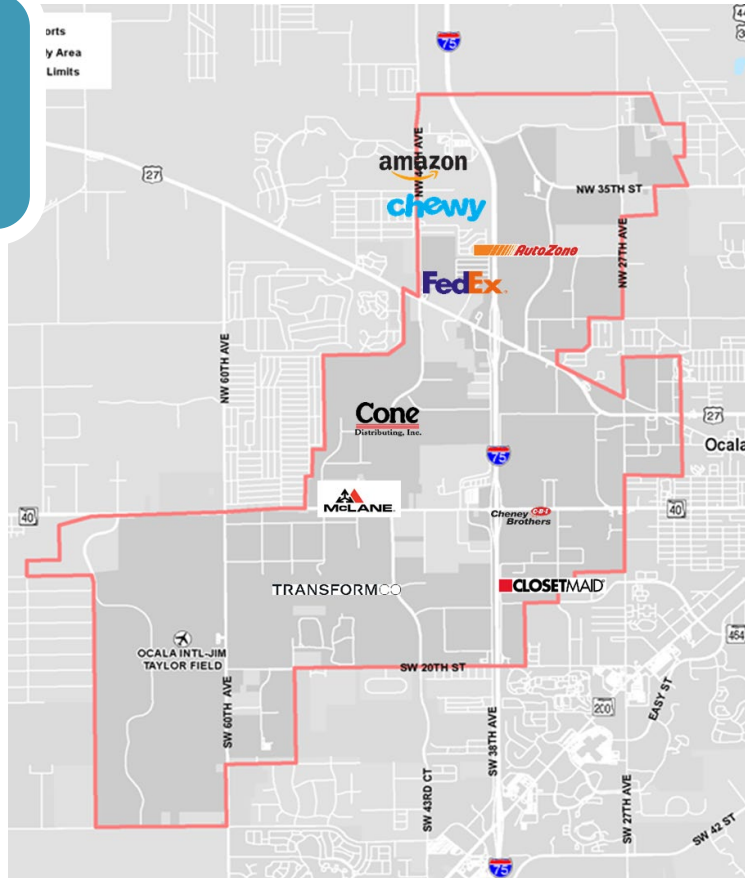
Sub-Area Freight Studies

OCALA SUB-AREA STUDY

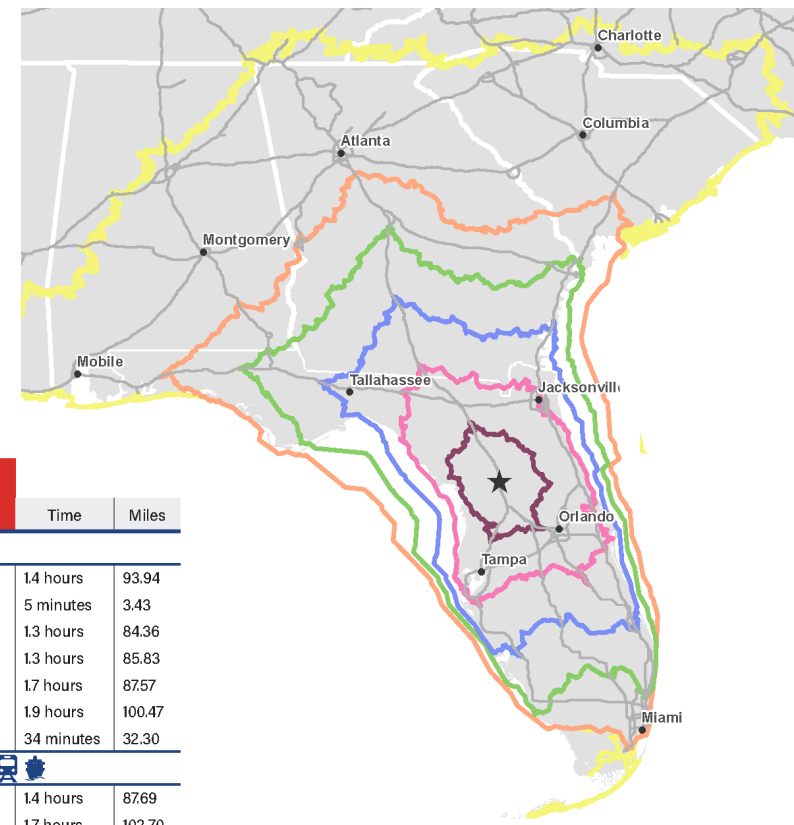
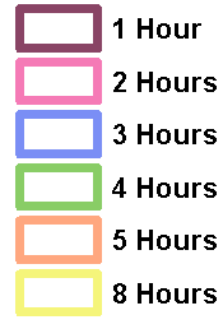


Recommendations

- Access Management Plan
- Improved ped-bike infrastructure
- Capacity improvement along SR-40 and US-27
- Improve and install lighting along SR 40



Drive Times



DRIVE TIME

	Time	Miles
Major Highways		
I-275	1.4 hours	93.94
I-75	5 minutes	3.43
I-4	1.3 hours	84.36
I-10	1.3 hours	85.83
I-95	1.7 hours	87.57
I-295	1.9 hours	100.47
FL Turnpike	34 minutes	32.30
Major Transportation Hubs		
Orlando Int'l Airport	1.4 hours	87.69
Tampa Int'l Airport	1.7 hours	102.70
Miami Int'l Airport	4.7 hours	303.48
Jacksonville Int'l Airport	2 hours	115.72
Ocala Int'l - Jim Taylor Field	8 minutes	3.75
Tampa CSX Uceta Intermodal Terminal	1.6 hours	98.8
Winter Haven Intermodal Freight Terminal	2 hours	104.68
Jacksonville FEC Intermodal Terminal	2 hours	112.40
Port Tampa Bay - Hookers Point	1.6 hours	99.4
JAXPORT - Talleyrand	2 hours	110.30
Charleston, SC	5.7 hours	342.64
Port Canaveral	2 hours	131.59
Major Cities		
Atlanta, GA	5.5 hours	363.07
Orlando, FL	1.3 hours	81.08
Mobile, AL	6.2 hours	422.28
Miami, FL	4.7 hours	303.33
Tampa, FL	1.5 hours	96.07
Jacksonville, FL	1.9 hours	105.24



Key Drive Time DEMOGRAPHICS

	1 hour	2 hours	5 hours	8 hours
Population	1,253,193	9,644,415	24,341,192	45,384,017
Households	524,278	3,773,052	9,496,615	17,542,868
Average Household Income	\$51,358	\$57,033	\$57,286	\$57,890
Employees	414,347	3,850,149	10,235,569	19,134,014
Business	39,460	363,416	1,052,223	1,754,114

COMPLETED PROJECTS

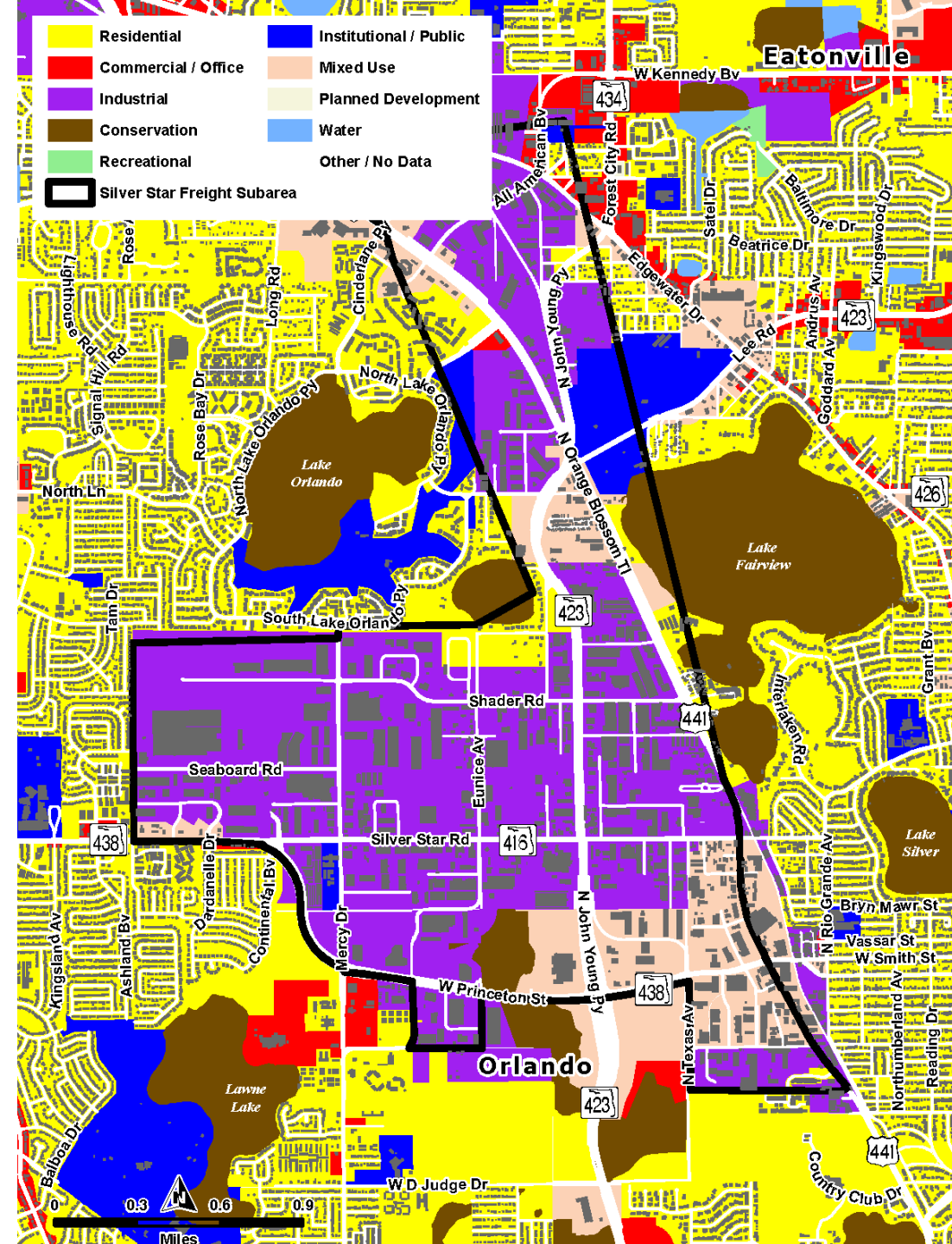
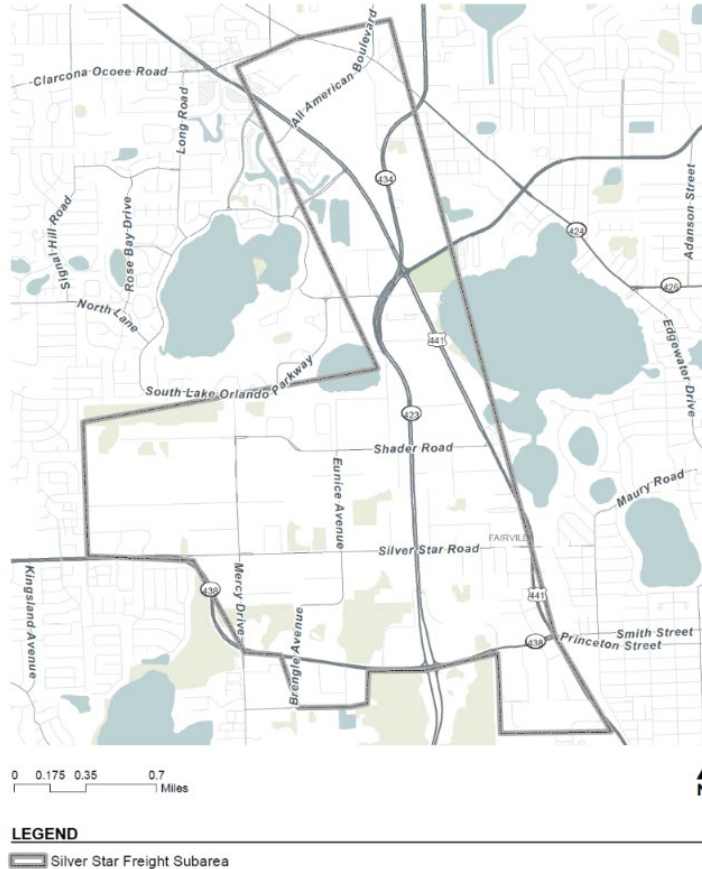
Sub-Area Freight Studies

SILVER STAR SUB-AREA STUDY



Recommendations

- Safety
- Signal Warrants
- At-Grade Rail-Highway Crossings
- Emerging Technology
- Geometric
- Multimodal Infrastructure



COMPLETED PROJECTS

Space Coast Super-Regional Freight Sub-Area Study

- Overall, **423 launches are forecast for the 2018-2027 decade**, averaging **42** commercial launches per year.
- Military officials forecast **87** launches from Florida's Space Coast in 2023.

*Non-Recurring
Congestion*

*Oversized
Overweight
Cargo*

*Recurring
Congestion*

*Limited East - West
River Crossings*

*Truck Crash
Hotspots*

*Bridge Height &
Weight Restrictions*



IN-PROGRESS PROJECTS

Sub-Area Freight Studies

SCOPE OF WORK

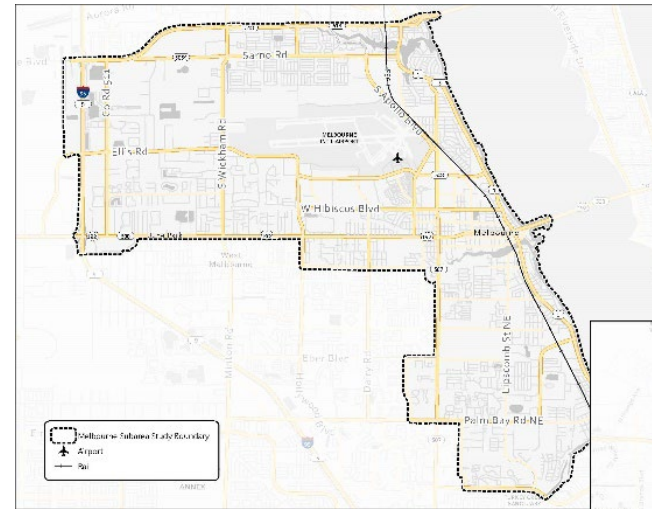


Assess Existing Conditions & Transportation System Needs with Data Analysis, Field Visits and Stakeholder Engagements

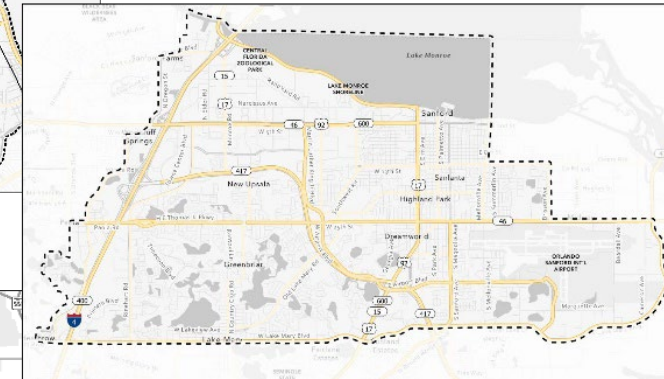


Develop Recommendations

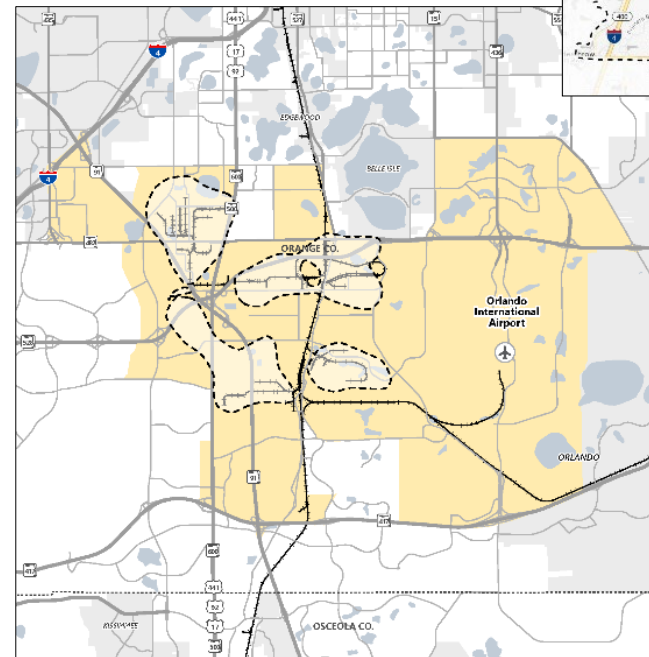
MELBOURNE



SANFORD



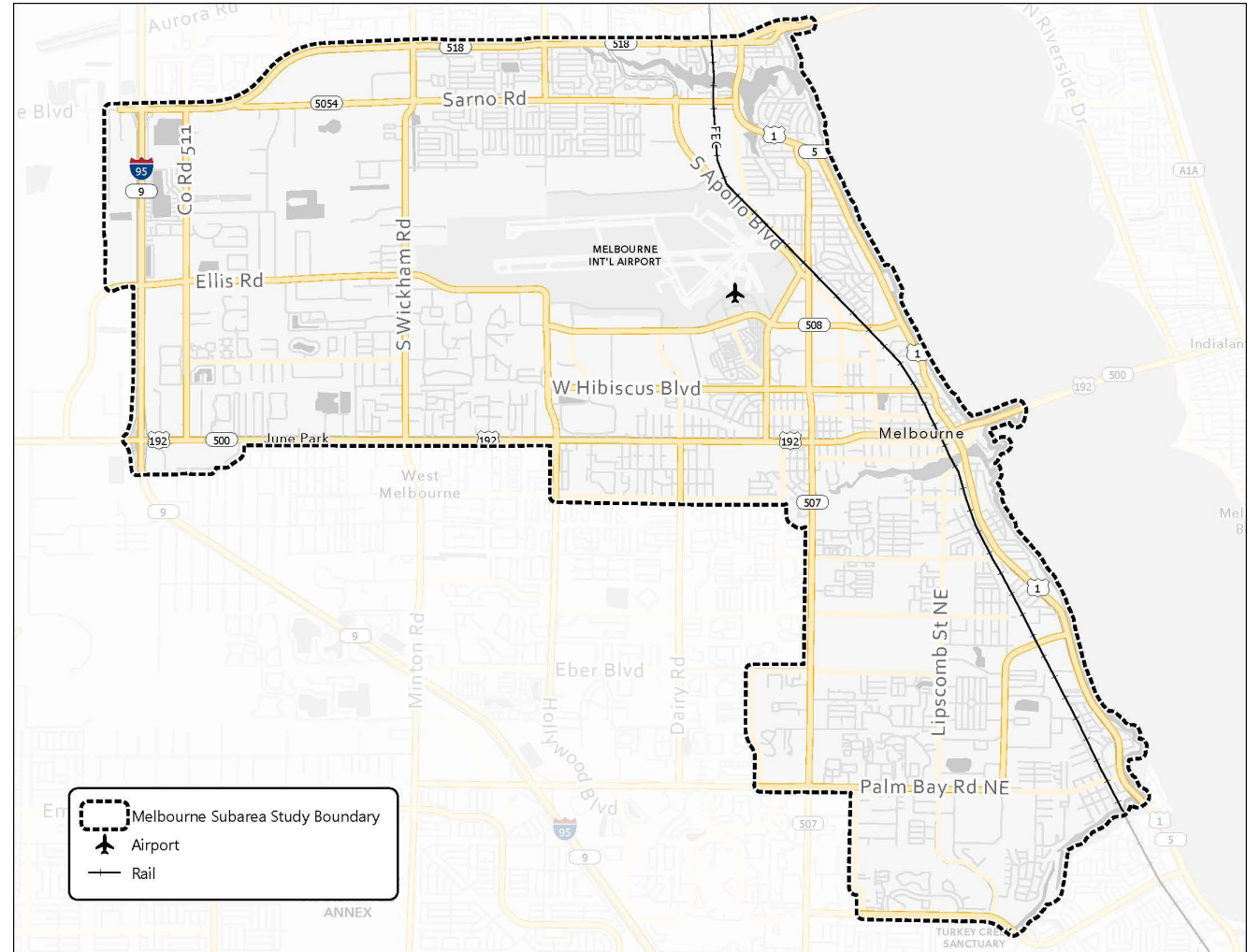
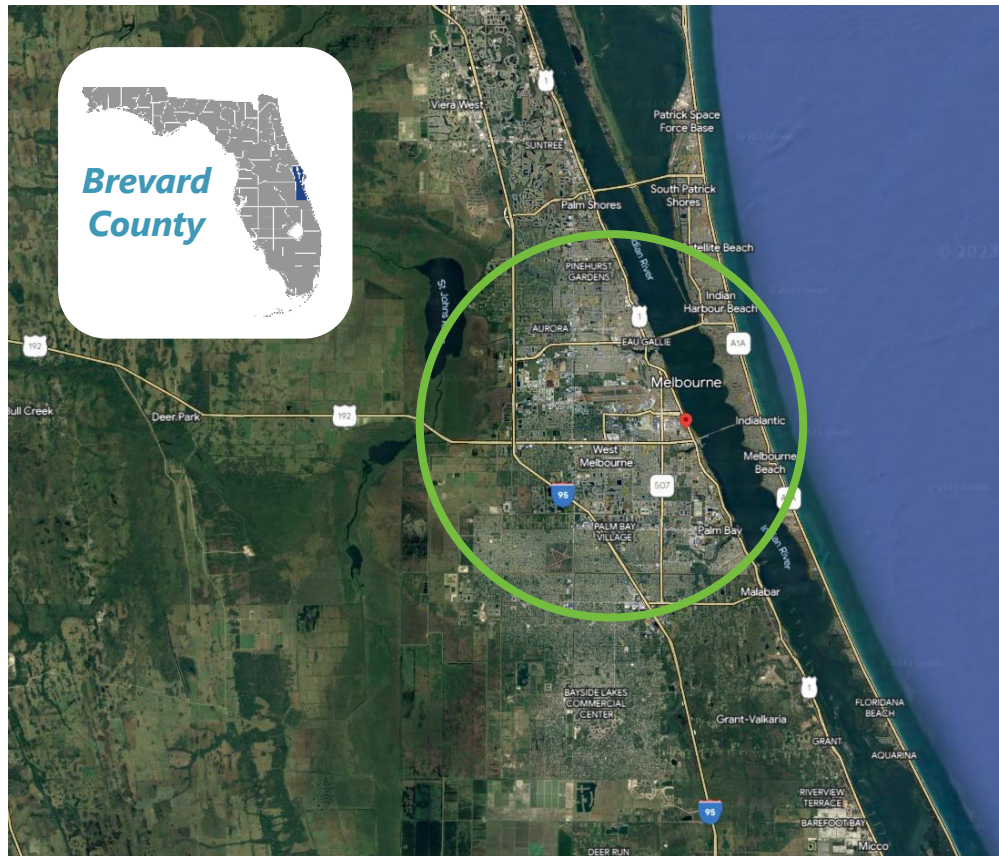
OIA



IN-PROGRESS PROJECTS

Sub-Area Freight Studies

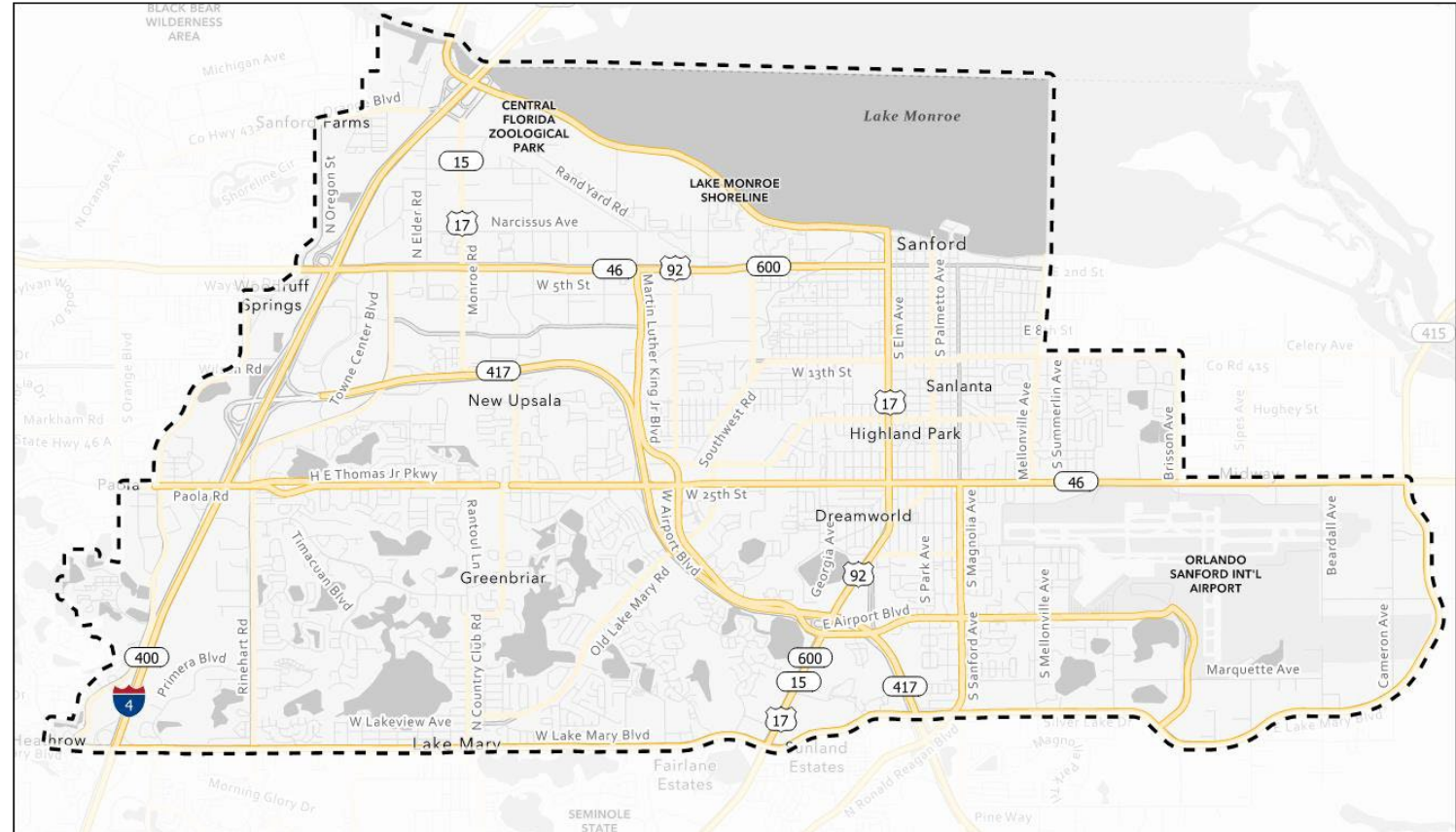
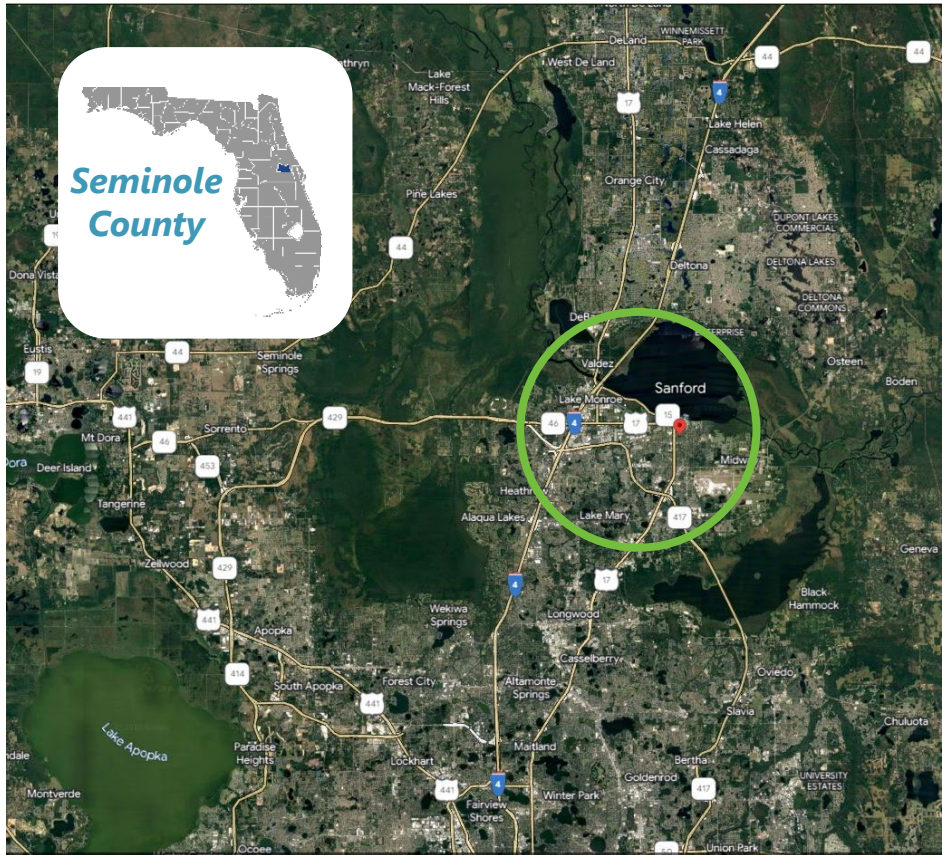
MELBOURNE SUB-AREA STUDY



IN-PROGRESS PROJECTS

Sub-Area Freight Studies

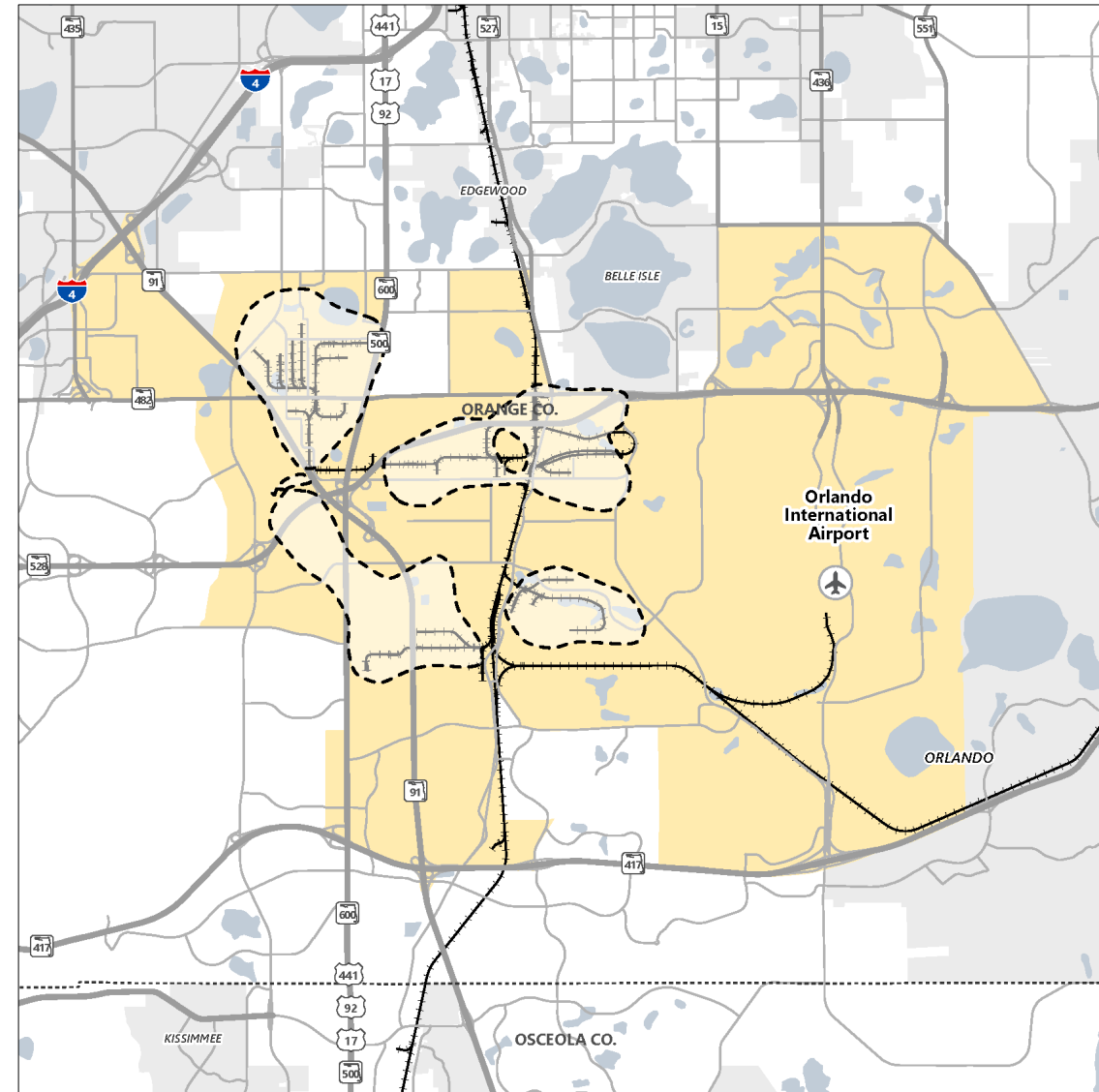
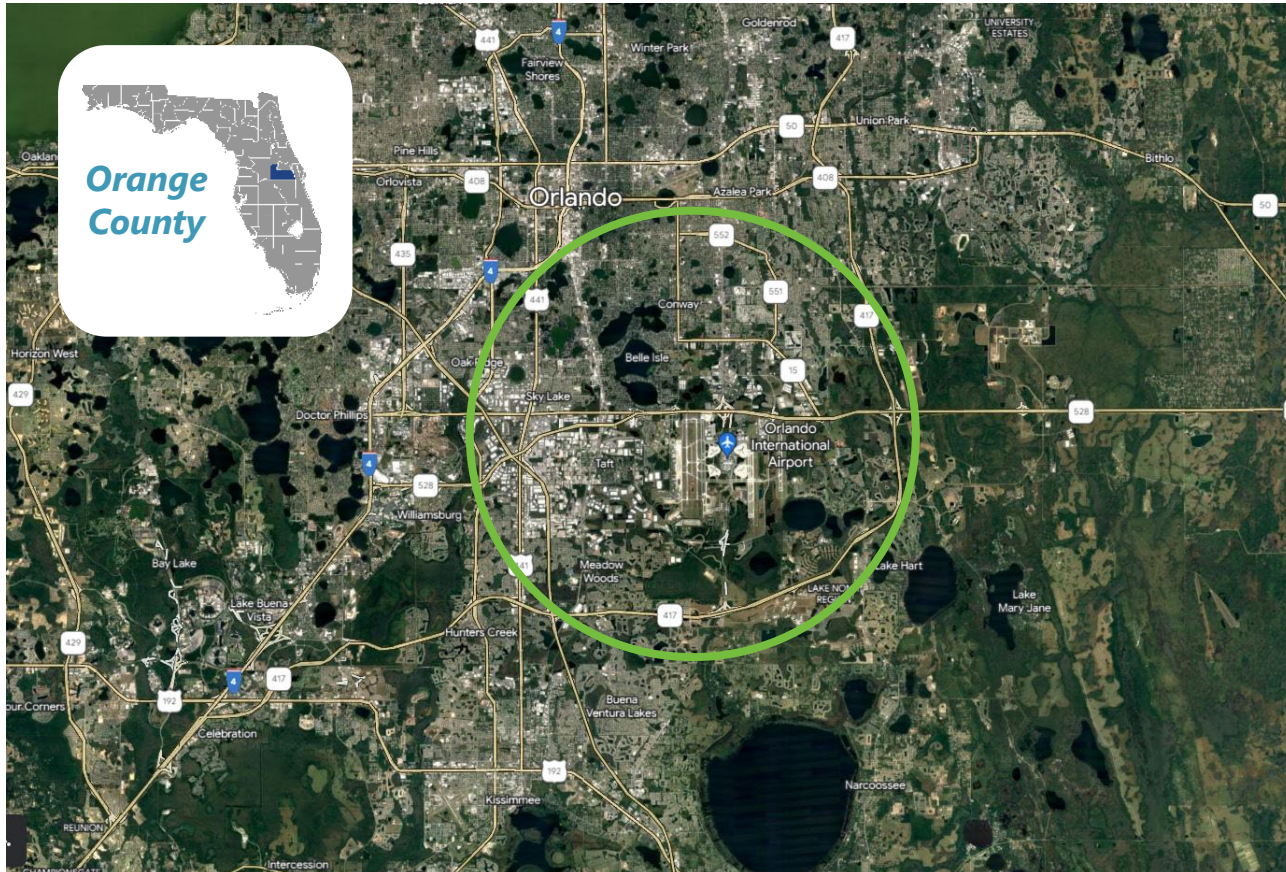
SANFORD SUB-AREA STUDY



IN-PROGRESS PROJECTS

Sub-Area Freight Studies

OIA SUB-AREA STUDY



COMPLETED PROJECTS

Emerging Freight Land Use Study

RECOMMENDATIONS



Enhance Coordination on E-commerce



Calibrate Trip Generation with Local Information



Mitigate Routing Impacts



Consider Potential Network Designations



Before/After Studies to Assess E-commerce Facilities Impact

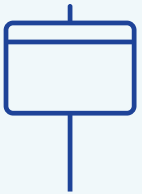


COMPLETED PROJECTS

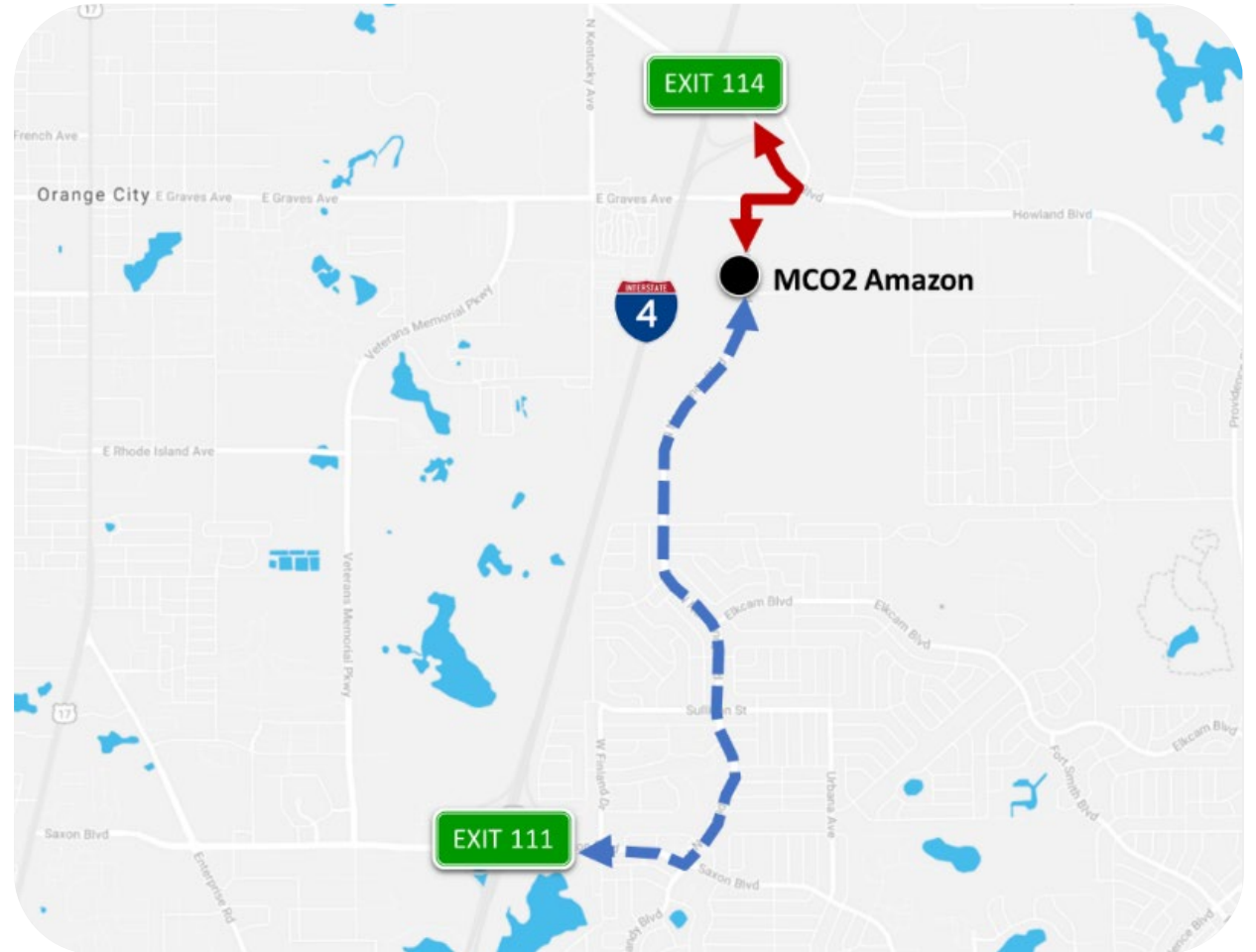
Amazon Fulfillment Center – Deltona (MCO2) Study



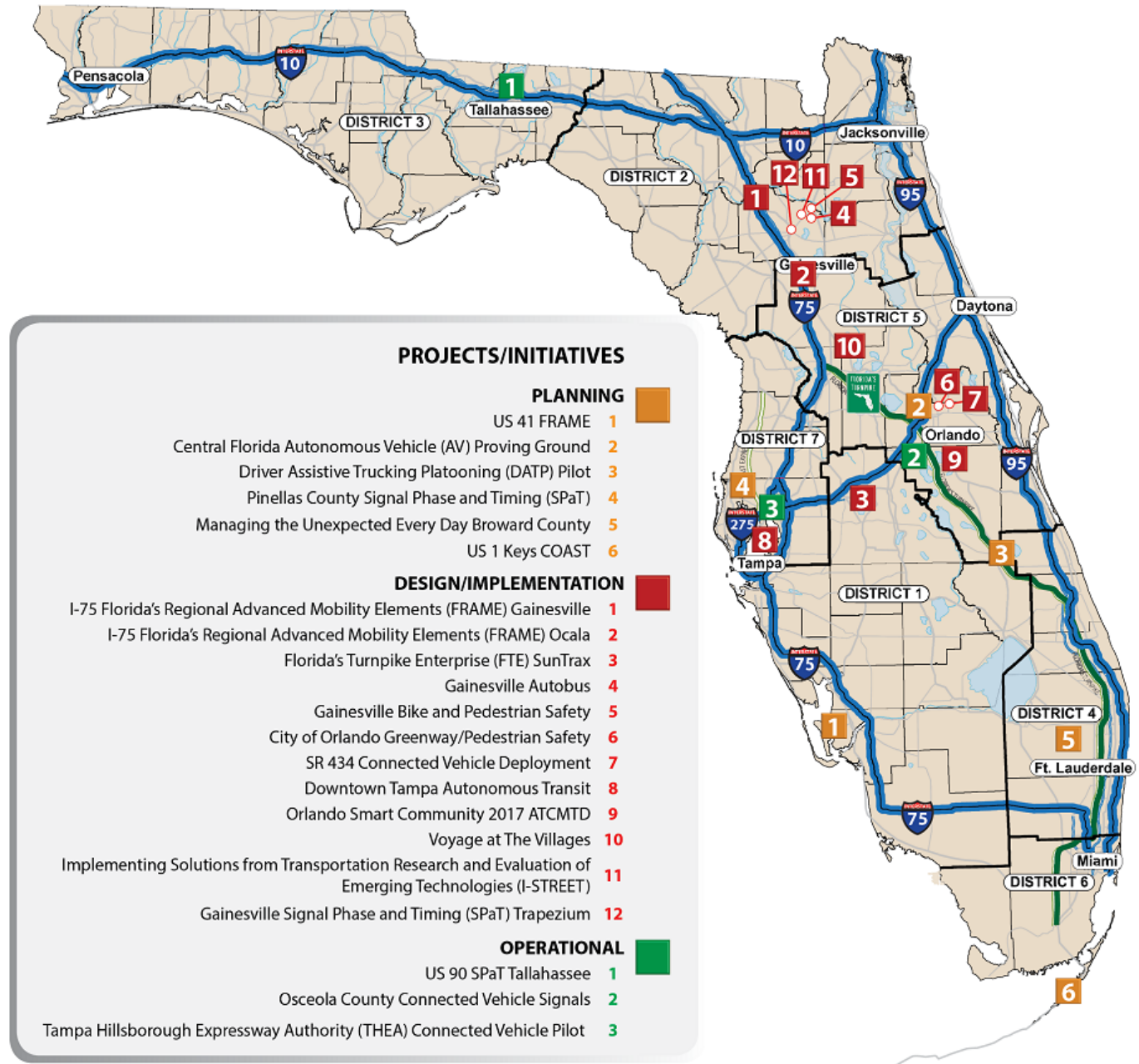
STRATEGY #1: Coordinate with Amazon and/or Mapping Services to Adjust GPS Routing.



STRATEGY #2: Add Trailblazer Assembly Signage along Desired Route to I-4



Technology / Transportation Systems Management and Operations



Looking Ahead



Continue to plan for **steady growth** in the District



Prepare for emerging **urban freight delivery and logistics** trends



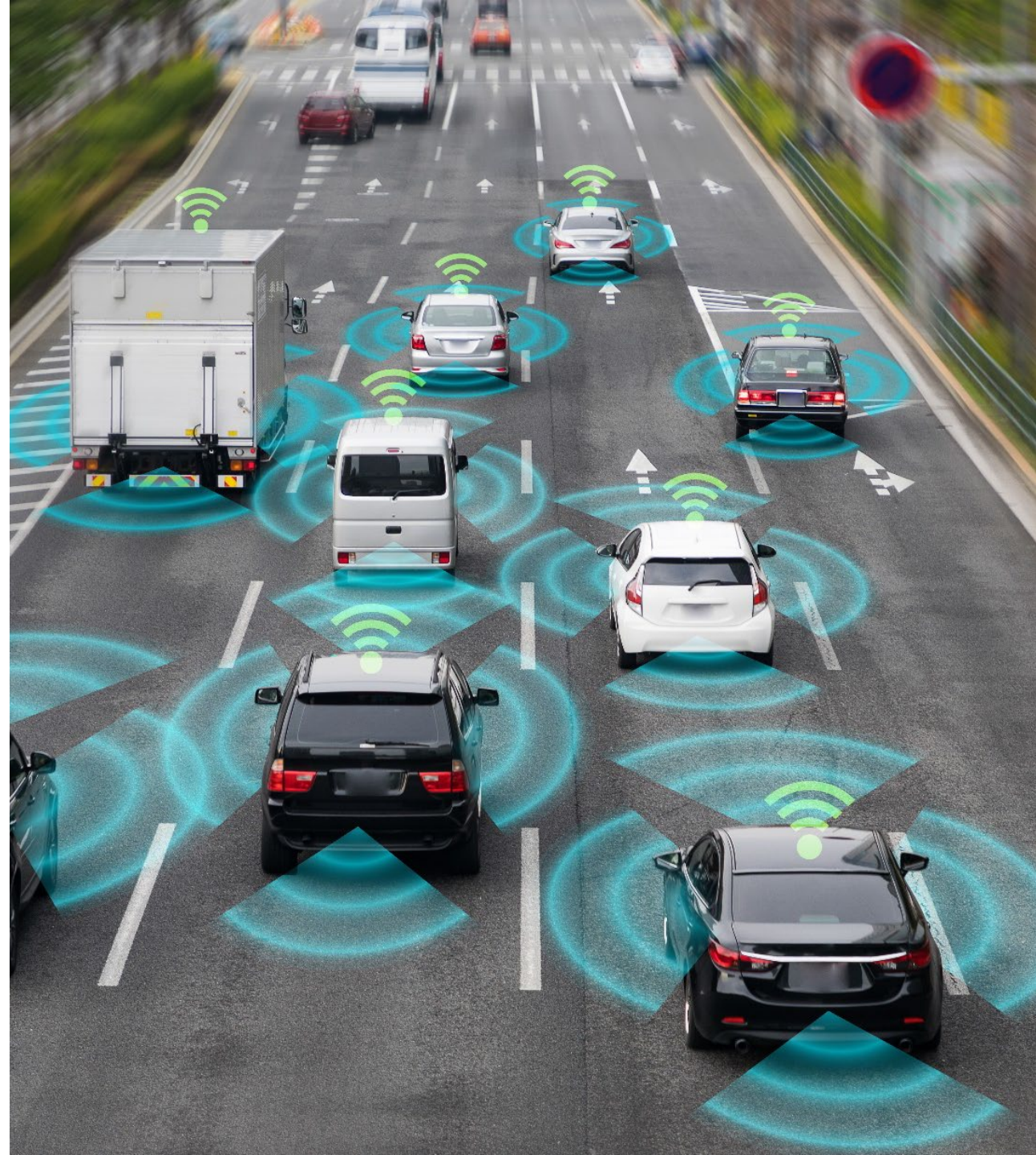
Implement **truck parking** solutions



Leverage **technological trends** to reduce congestion and improve safety



Enhance **supply chain resiliency**.



F M T P 24

FREIGHT MOBILITY AND TRADE PLAN

Sarah Van Gundy

District 5 Freight, Seaport and Spaceport Coordinator

Modal Development Office

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Email: Sarah.VanGundy@dot.state.fl.us

Allison D. McCuddy

District 5 Freight and Logistics Manager

Modal Development Office

Phone: 386-943-5041

Email: Allison.McCuddy@dot.state.fl.us



BREAKOUT SESSION



Go to
www.menti.com

Code
7552 8500



Breakout Instructions

- Break up into smaller groups
- Small group facilitated discussions on:
 - Biggest regional issues
 - Potential solutions
 - Strategies to address issues/achieve objectives
- Group leader from each breakout group will report on the group discussions

This is your chance to provide input! We want to hear from everyone!

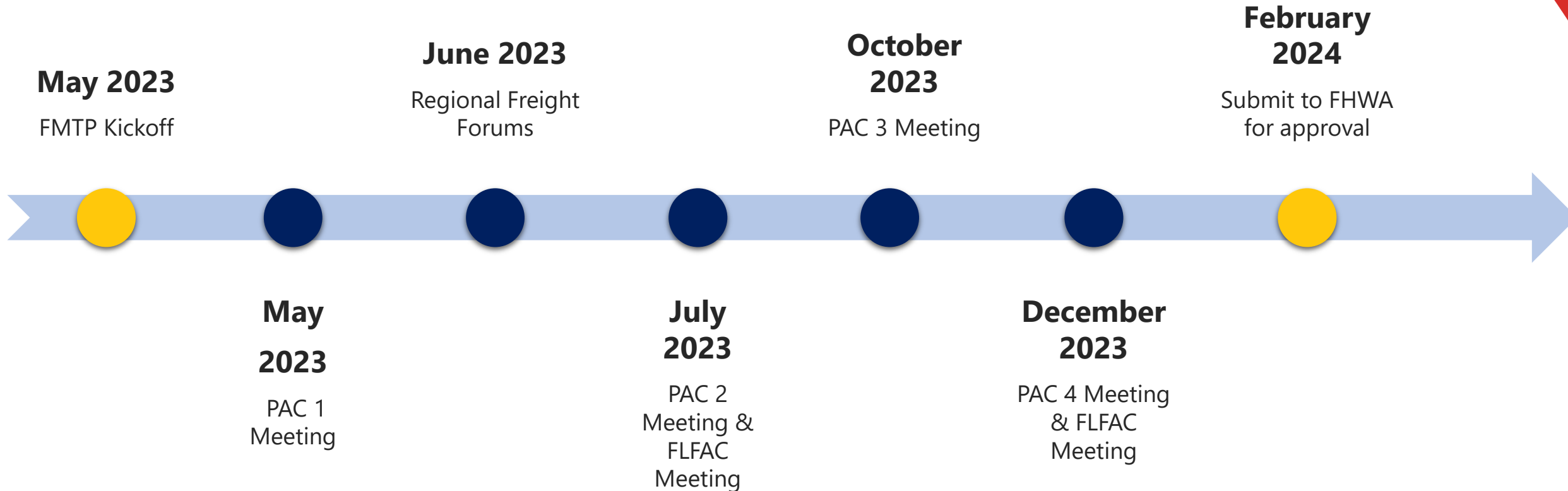
CONCLUDING REMARKS



FMTP Stakeholders/Outreach

	Florida Freight Advisory Committee (FLFAC)	Project Advisory Committee (PAC)	Regional Freight Forums	Public Comment
WHO	A representative cross-section of public and private sector freight stakeholders	Members from relevant FDOT Offices and District Freight Coordinators (DFCs)	Members of the public and freight stakeholders	Members of the public and freight stakeholders
WHAT	Advise on freight-related priorities, issues, projects, and funding needs; Promote the sharing of information between the private/public sectors	Provide project oversight and guidance; Share best practices and lessons learned	Help identify statewide or District-specific freight trends, challenges, needs, and solutions	Ensure the plan appropriately captures public input

Next Steps



Other Ways to Provide Input

- Post-meeting online survey/comment form
- Reach out to your District Freight Coordinator



Freight Coordinators

District 1 | Bartow

Amanda Tyner

Amanda.Tyner@dot.state.fl.us

District 2 | Lake City

Hunter Livingston

Hunter.Livingston@dot.state.fl.us

District 3 | Chipley

Ray Corbitt

Ray.Corbitt@dot.state.fl.us

District 4 | Ft. Lauderdale

Justin Stroh

Justin.Stroh@dot.state.fl.us

District 5 | DeLand

Sarah Van Gundy

Sarah.VanGundy@dot.state.fl.us

District 6 | Miami

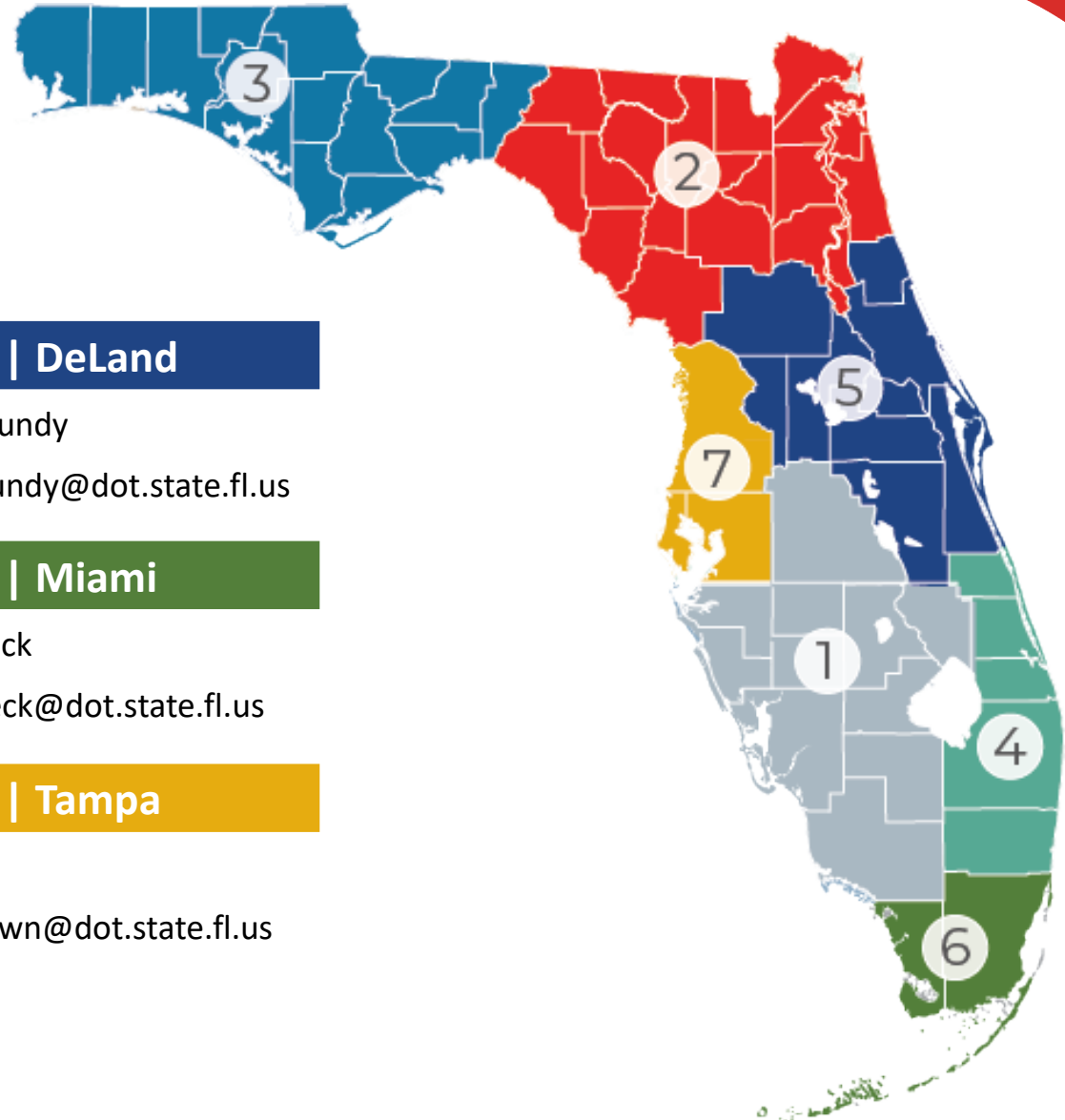
Daniel Lameck

Daniel.Lameck@dot.state.fl.us

District 7 | Tampa

Mike Brown

Michael.Brown@dot.state.fl.us



Regional Outreach Dates

CENTRAL FL– June 12, 2023 | 1PM-4PM

FDOT Deland - Cypress A&B Conference Room

719 South Woodland Blvd., Deland, FL 32720

SOUTHWEST FL– June 13, 2023 | 1PM-4PM

FDOT Southwest Area Office (SWAO) Conference Room

10041 Daniels Parkway, Ft. Myers, FL 33913

NORTHEAST FL– June 15, 2023 | 9AM-12PM

FDOT Jacksonville - Urban Office Training Center

2198 Edison Avenue, Jacksonville, FL 32204

WEST CENTRAL FL– June 19, 2023 | 1PM-4PM

FDOT District 1 HQ Conference Room

801 North Broadway Avenue, Bartow, FL 33830

NORTH FL– June 21, 2023 | 1PM-4PM

FDOT Central Office - Auditorium

605 Suwannee Street, Tallahassee, Florida 32399

SOUTH FL– June 29, 2023 | 1PM-4PM

Miami-Dade Public Library - Aventura Branch

2930 Aventura Blvd., Aventura, FL 33180

SOUTHEAST FL– June 30, 2023 | 1PM-4PM

FDOT Fort Lauderdale - Auditorium

3400 West Commercial Blvd., Ft. Lauderdale, FL 33309

VIRTUAL– July 12, 2023 | 9AM-12PM

GoToWebinar – Register Here:

[FMTP24 GoToWebinar Registration](#)

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FREIGHT MOBILITY AND TRADE PLAN

THANK YOU

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