



**FMTTP24**  
FREIGHT MOBILITY AND TRADE PLAN

# FLORIDA'S FREIGHT MOBILITY & TRADE PLAN

**Regional Freight Forum Series**  
District 2 – June 15, 2023



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

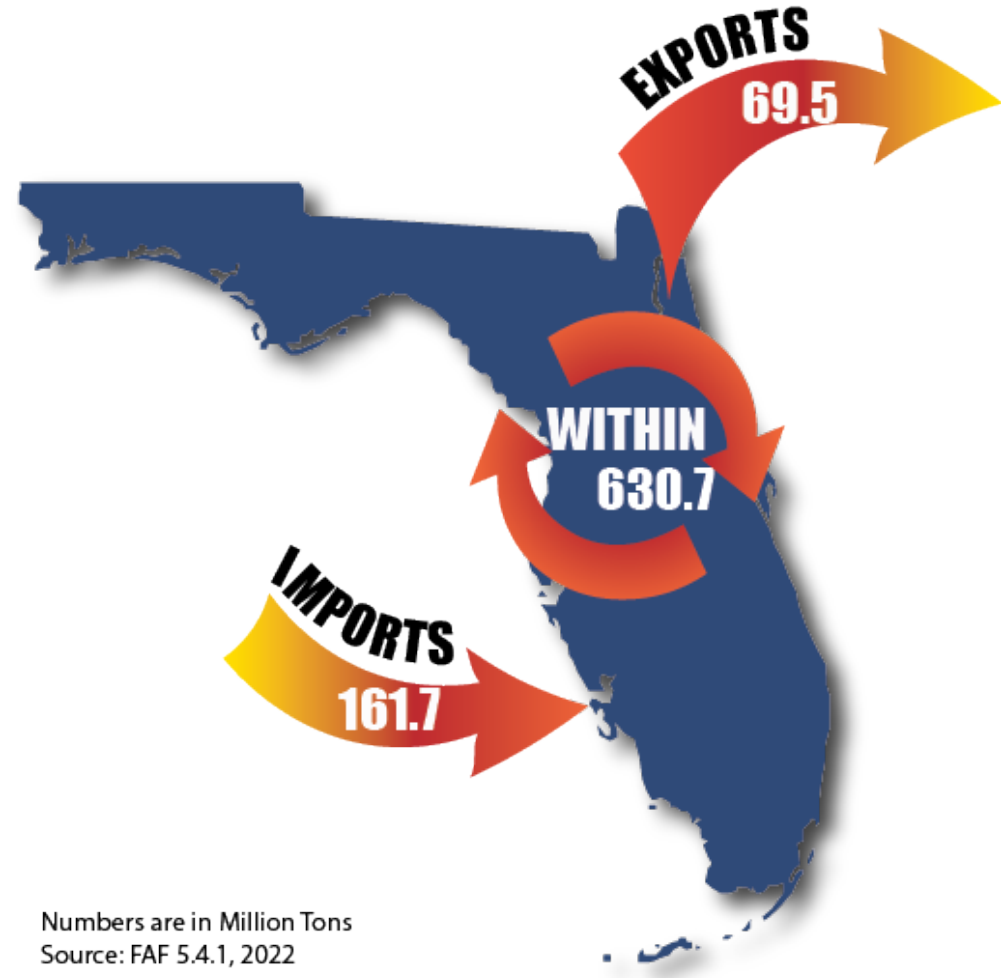
# AGENDA

# 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.



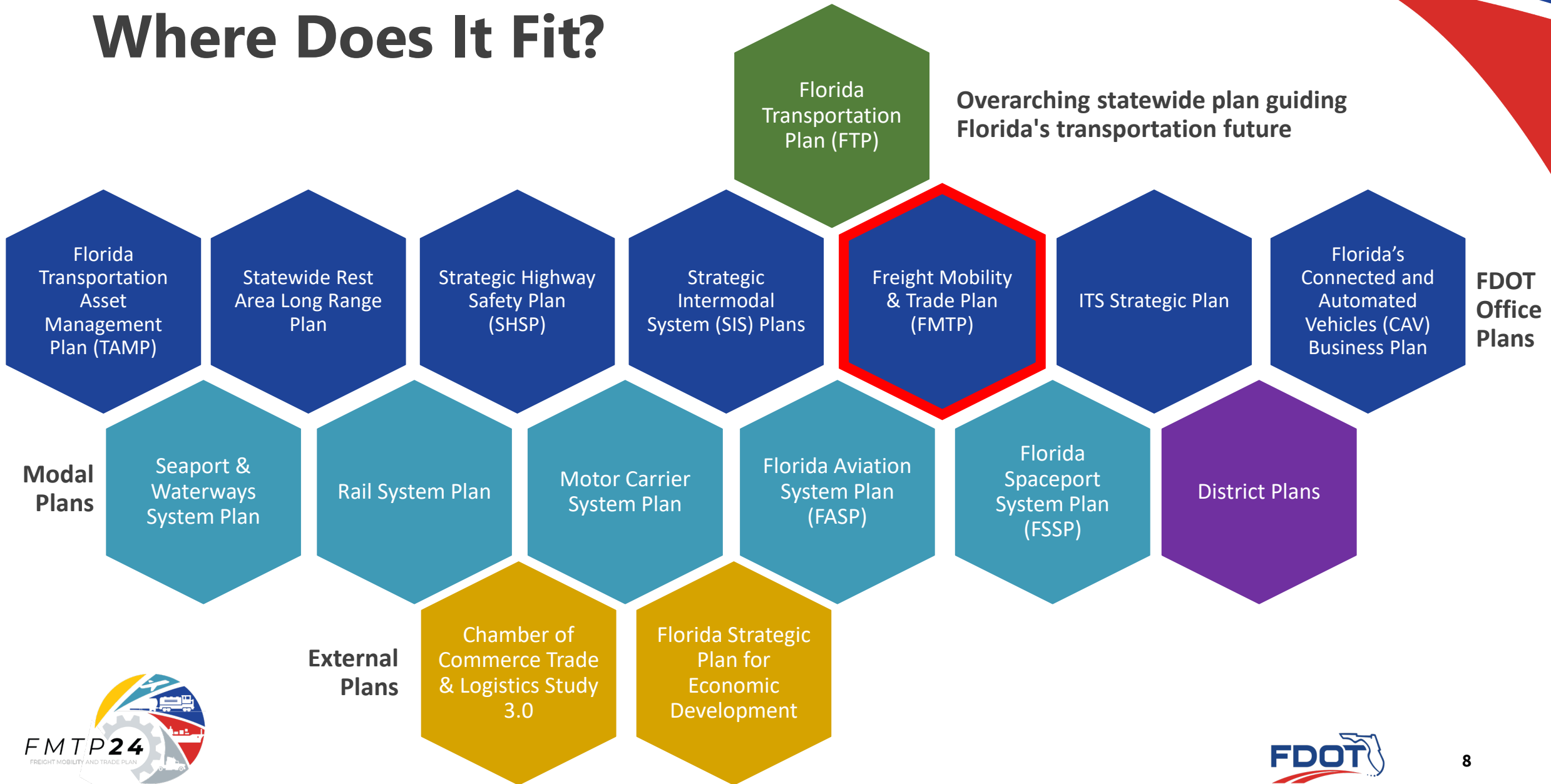
2021

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?





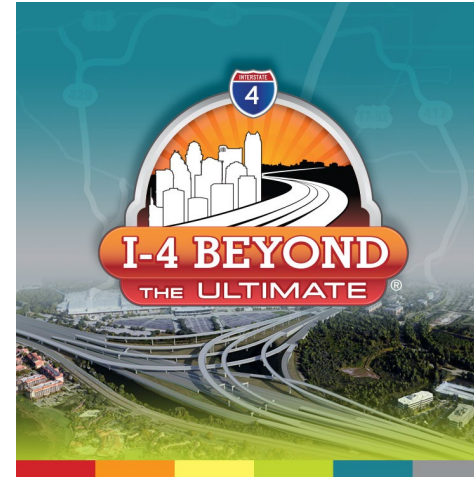
# Who Benefits, and How?

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

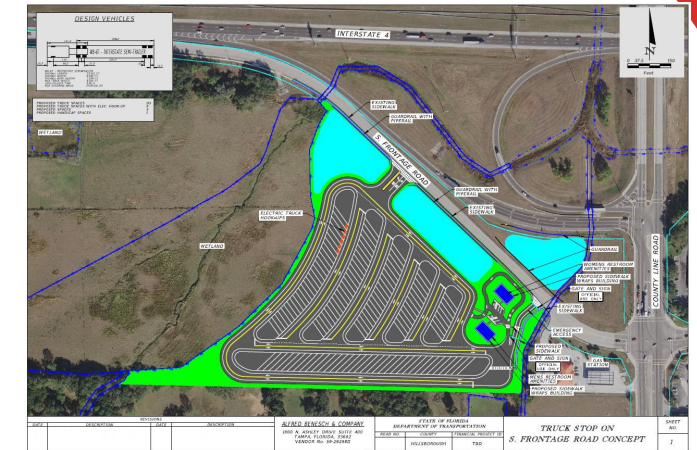


## Title:

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:

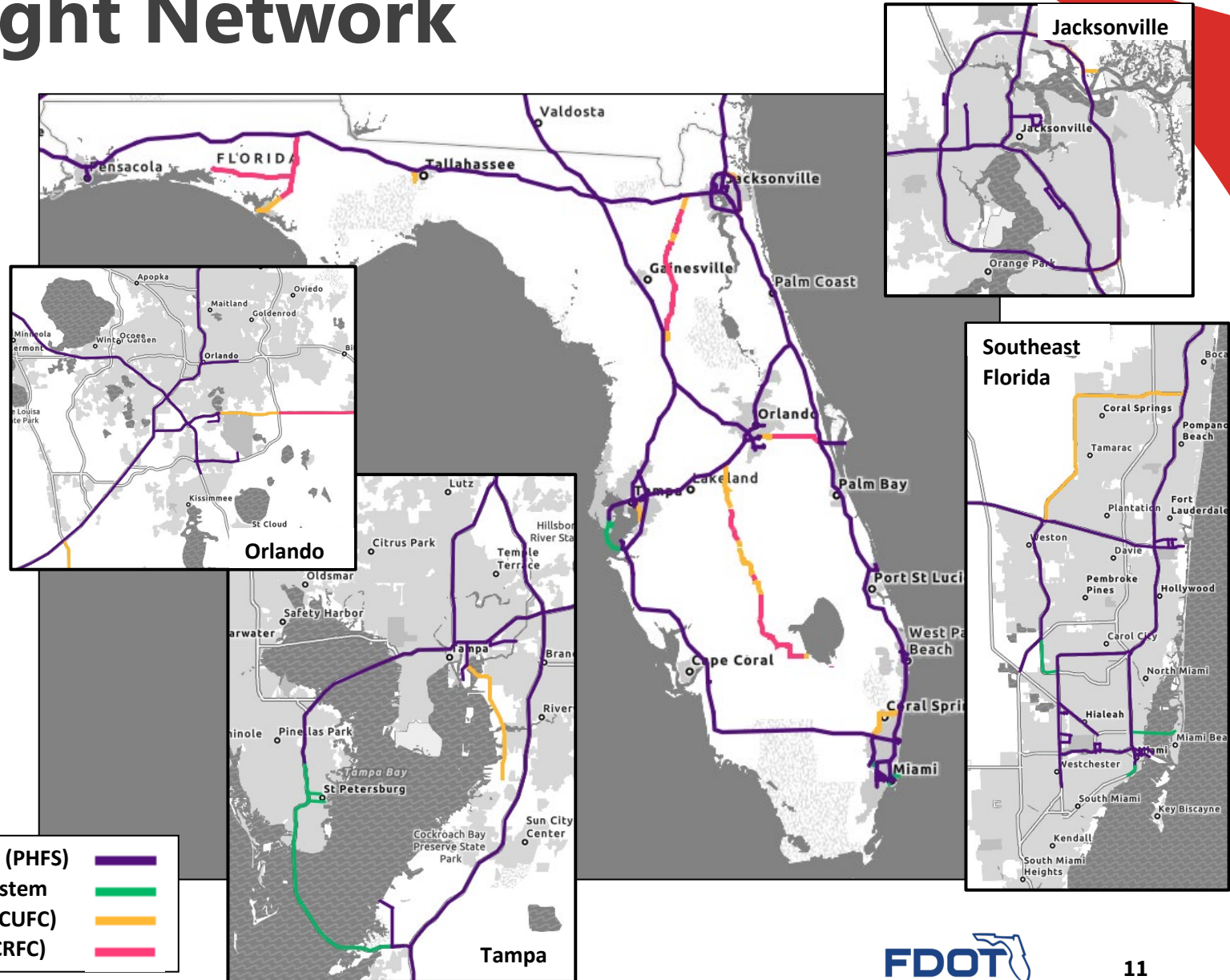
I-4 Truck Parking Facility 448698-1-52-01

## 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 IJA
- 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**

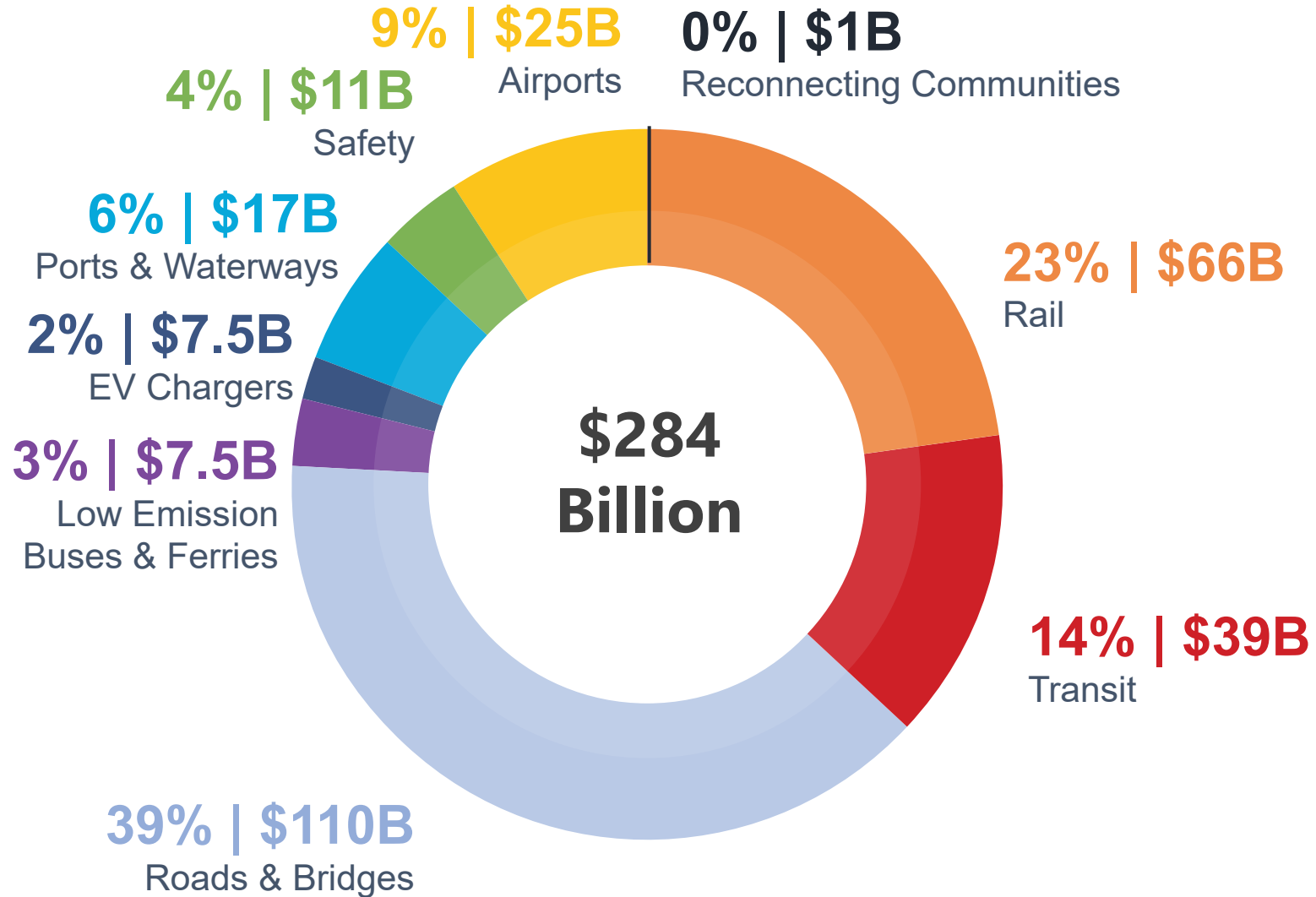
- Expanded eligibility
- Increases critical freight corridors



## **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") <b>(NEW)</b>	Competitive	\$5 Billion
INFRA Program	Competitive	\$8 Billion
RAISE Program	Competitive	\$7.5 Billion
Reduction of Truck Emissions at Port Facilities Program <b>(NEW)</b>	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

# Freight Data

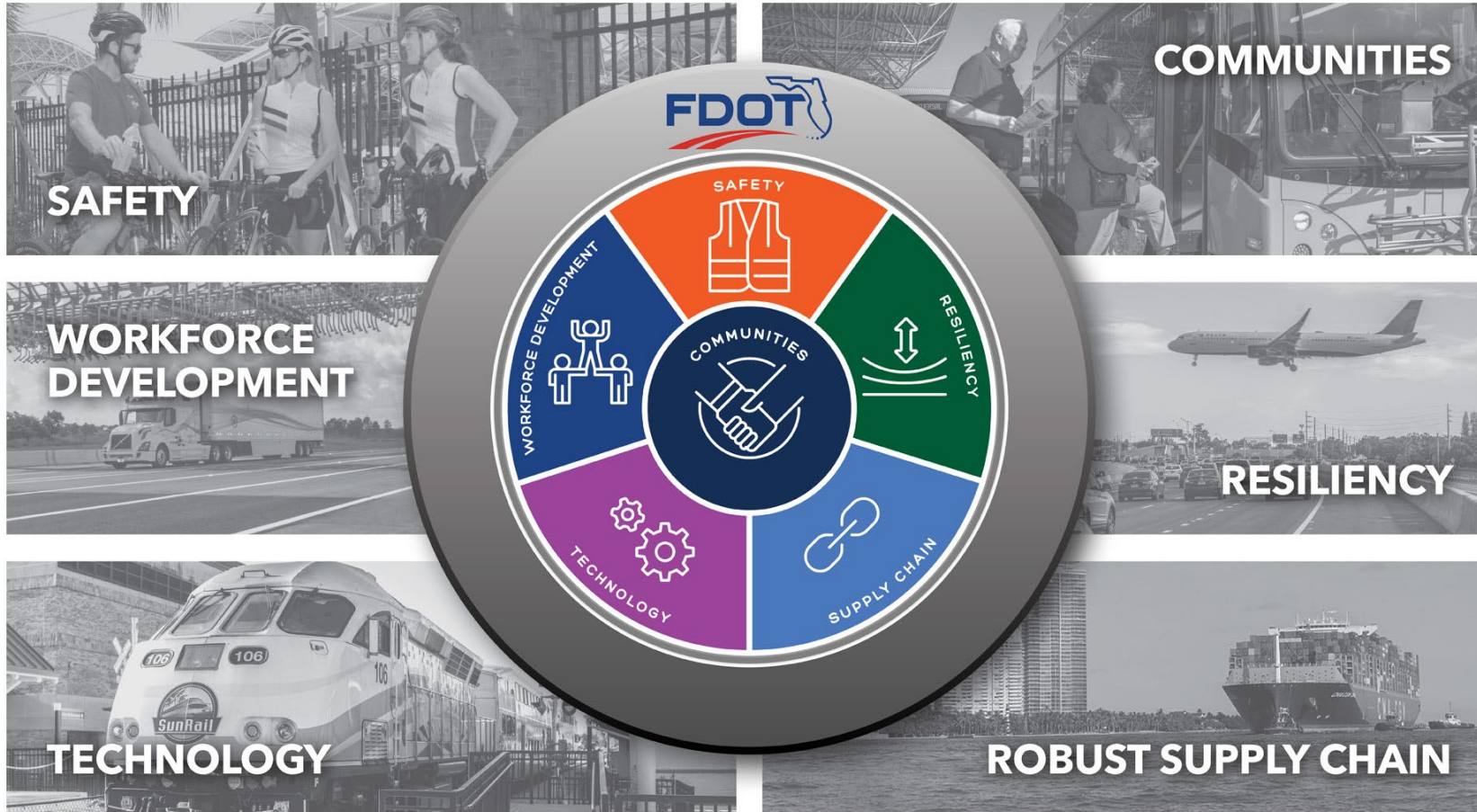
Requirement	Possible Data Source	Data Gap
Commercial motor vehicle parking facilities assessment	Truck parking surveys	-
Areas with a shortage of adequate parking and underlying causes	Truck Parking Development Handbook Truck GPS data	
Supply chain cargo flows by mode of transportation	Freight Analysis Framework (FAF)	-
Commercial ports	U.S. Army Corps of Engineers Waterborne Commerce Statistics	-
E-commerce	-	E-commerce impacts on demand and delivery
Military freight	Strategic Highway Network (STRAHNET)	-
Impacts of extreme weather and natural disasters on freight mobility	Federal Emergency Management Agency (FEMA) After Action Reports	-
Impacts of freight movement on local air pollution	Environmental Protection Agency (EPA) Motor Vehicle Emission Simulator (MOVES)	-
Impacts of freight movement on flooding and stormwater runoff	-	Hydrology impacts of freight infrastructure
Impacts of freight movement on wildlife habitat loss	-	Wildlife data

# 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





# 5-Year Work Program



# FMTP Guides Freight Investments



## Freight Mobility & Trade Plan

20-Year Plan for State's  
Freight Infrastructure.

Updated every 4 years.

Helps identify  
immediate needs and  
long-term needs.

+

5-Year Funding Plan for  
State's Infrastructure.

Updated every year.

Project process seems  
long but allows  
thorough planning and  
community inputs.

## 5-Year Work Program



# District Two

 **DISTRICT 2 | 18 Counties**



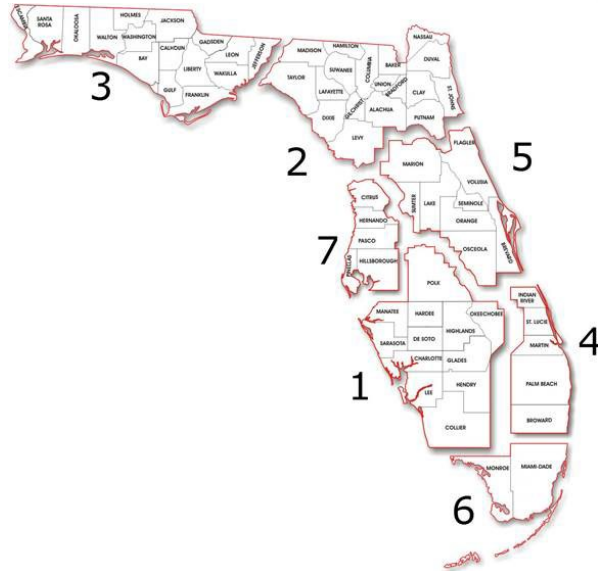
**LAND AREA**  
**11,904**  
sq. miles



**POPULATION**  
**2.2M**  
Residents



**EMPLOYMENT**  
**0.95M**  
jobs

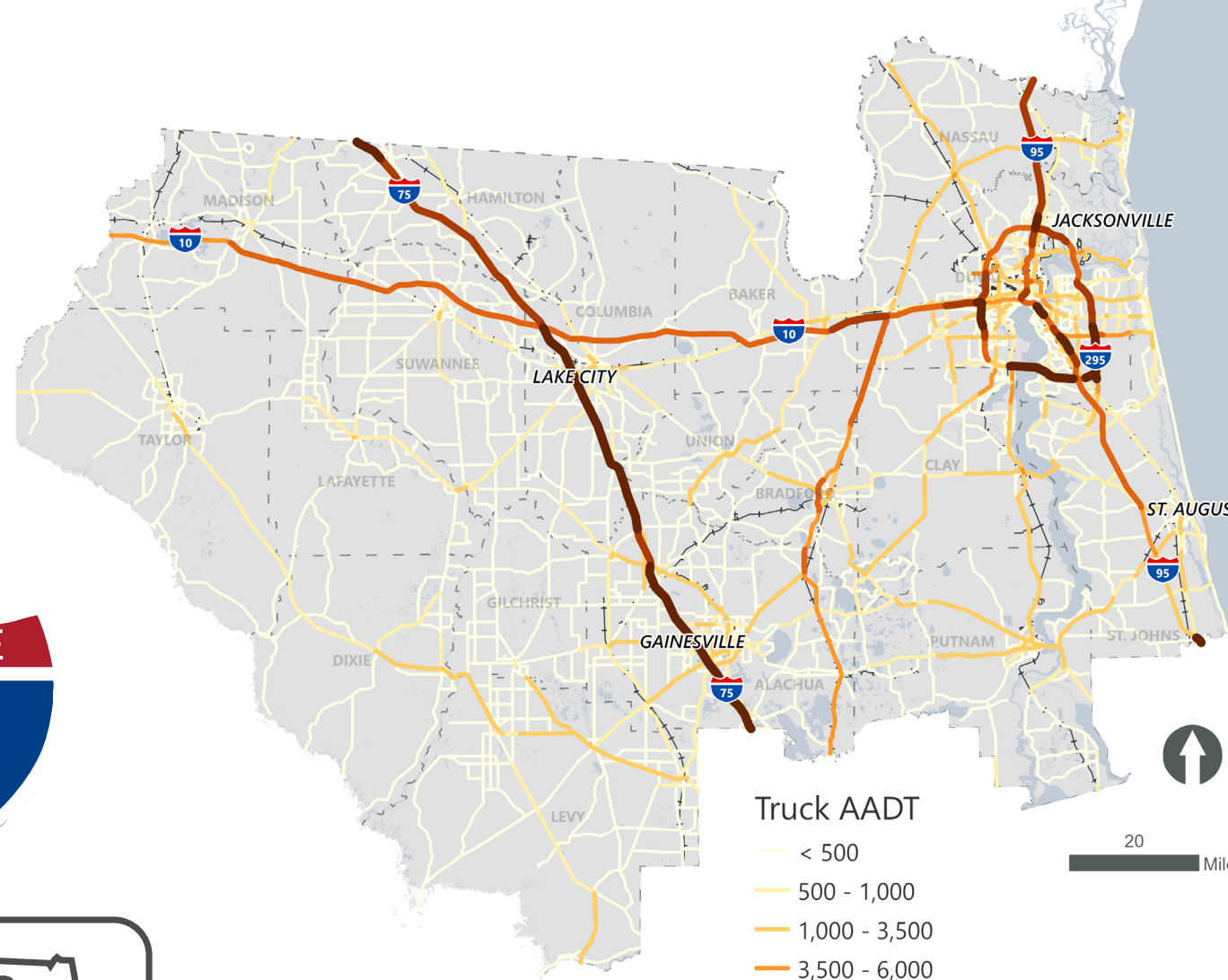


**15% Population Increase**  
1.9M (2010) 2.2M (2020)

# Heavily Traveled Truck Corridors



Corridors with Highest Truck Volumes



Truck AADT

- < 500
- 500 - 1,000
- 1,000 - 3,500
- 3,500 - 6,000
- 6,000 - 10,000
- 10,000 - 15,000
- > 15,000



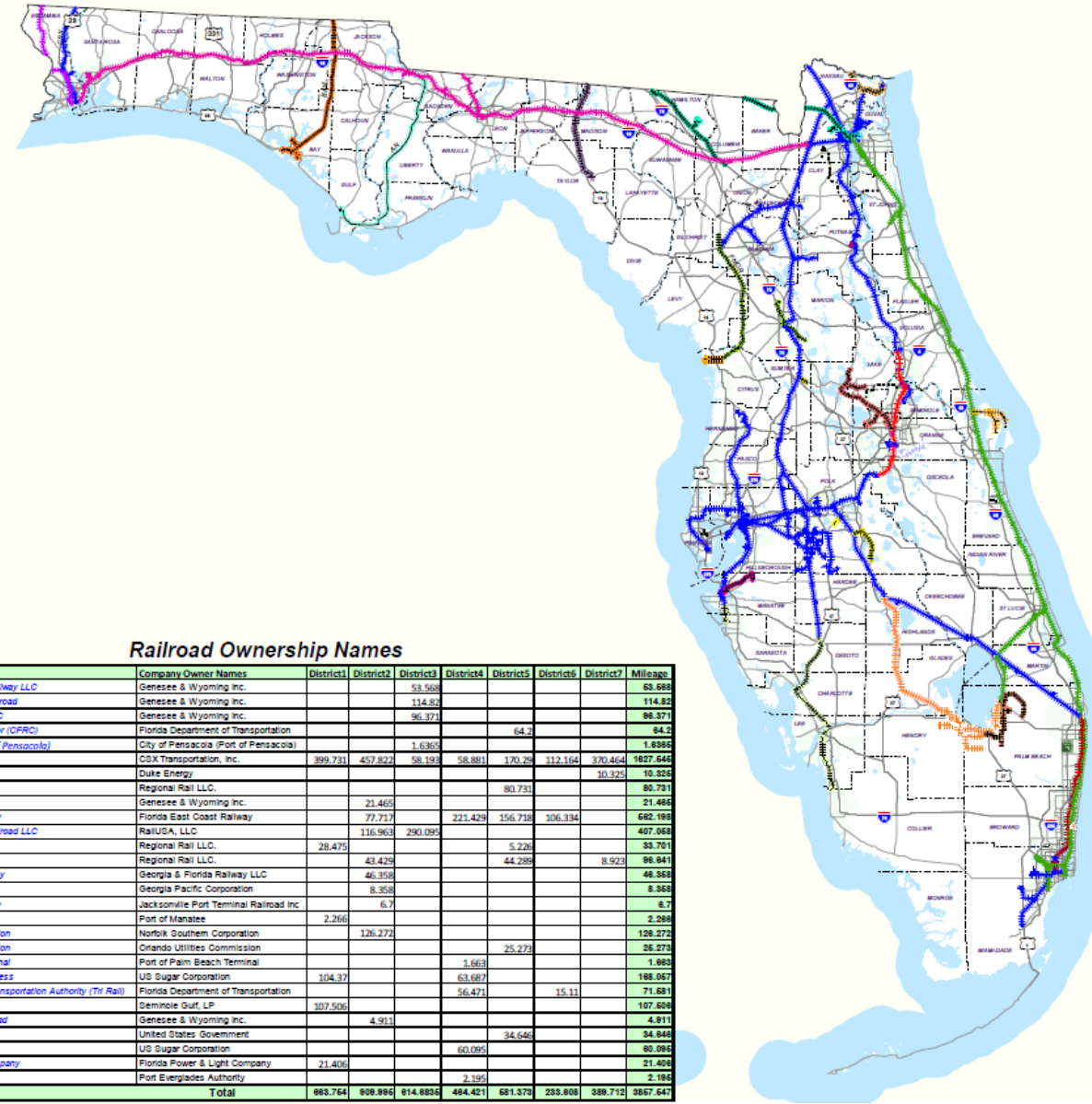
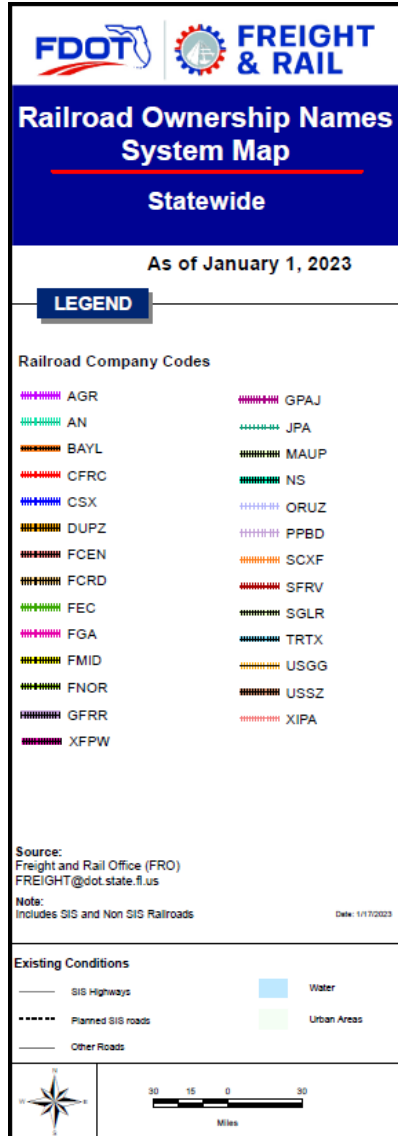
# Railroad Infrastructure



RAIL

670

Mainline Miles  
In District 2



Northeast Florida.....  
 RR Interchange Location for the State

# Transportation Infrastructure



JACKSONVILLE  
INT'L AIRPORT

**88K**

Tons of Cargo



JAXPORT

**18M**

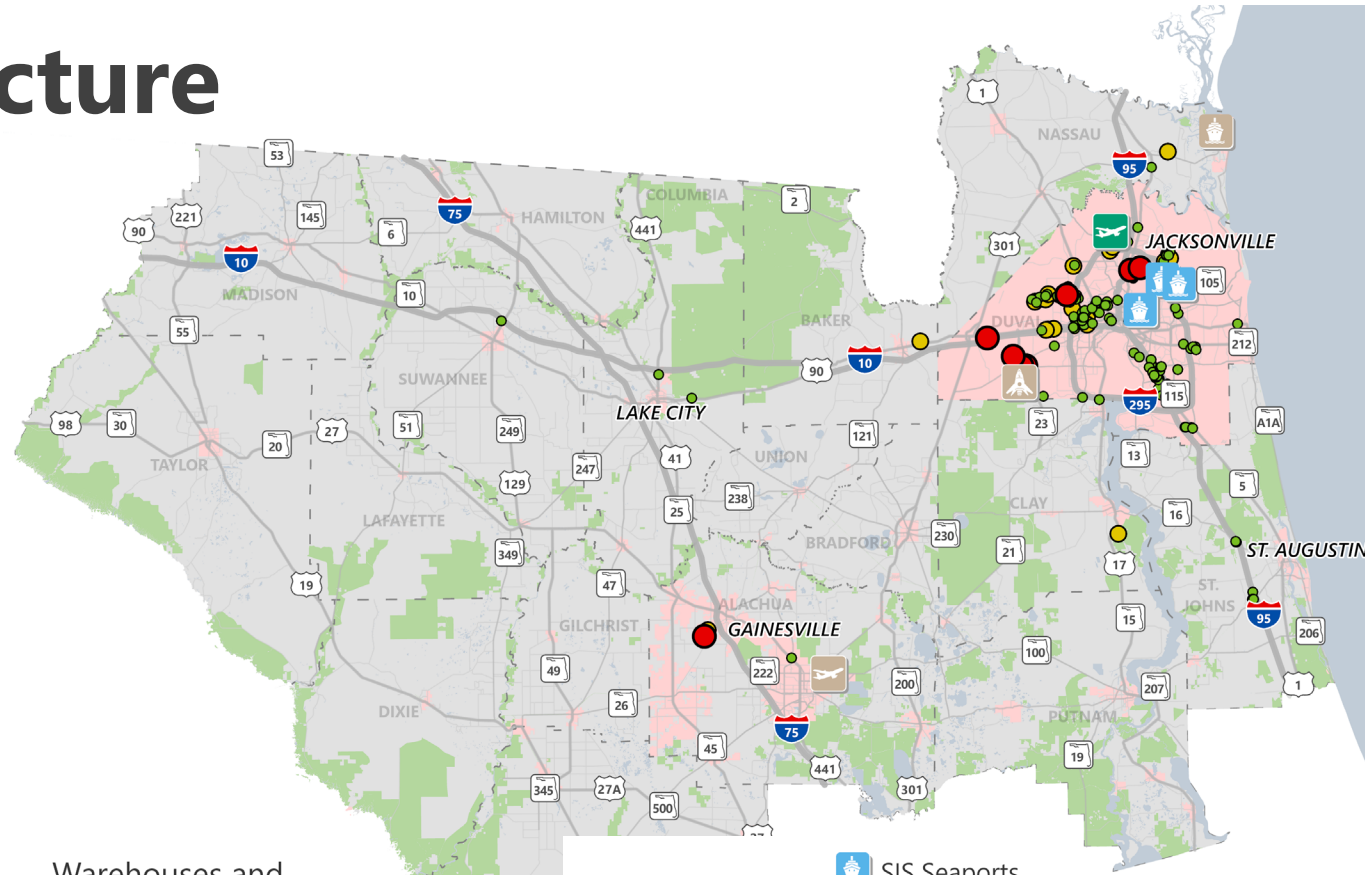
Tons of Cargo



STATE HIGHWAY  
SYSTEM

**2,576**

Miles



Warehouses and  
Distribution Centers  
(Floor Area – square foot)

- 150,000 - 500,000 (162)
- 500,000 - 1,000,000 (25)
- > 1,000,000 (8)



20 Miles

- SIS Seaports
- Strategic Growth Seaports
- SIS Airport
- Strategic Growth Airport
- Strategic Growth Spaceport

**Northeast Florida.....  
Gateway to the State**

# Freight Profile

TOP EXPORT AND IMPORT COMMODITIES  
By Tonnage

**19.8M**

Nonmetallic Minerals

**10.8M**

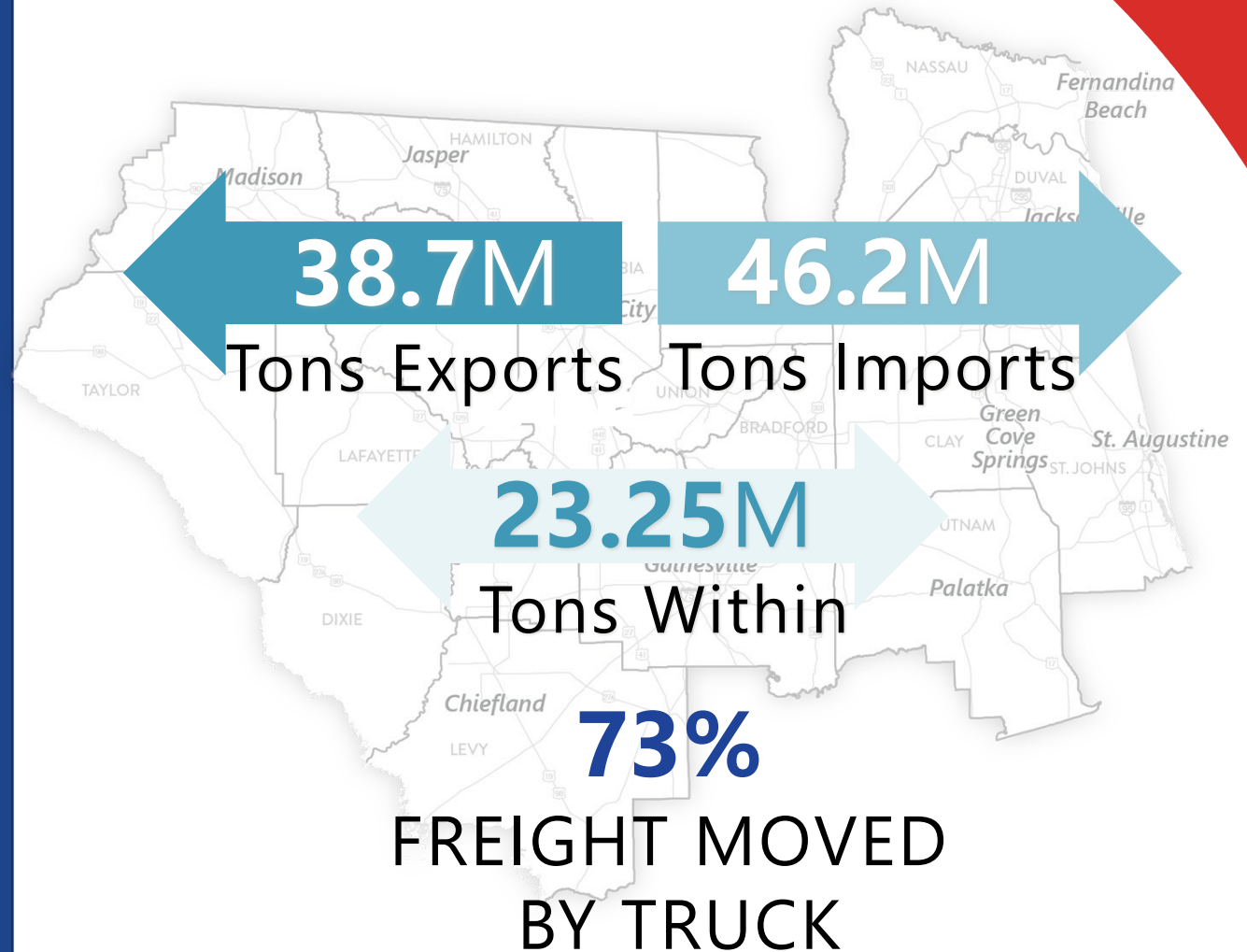
Petroleum or Coal Products

**7M**

Warehouse, DC& Drayage  
Movements

**5.5M**

Food or Kindred Products



Source: FDOT Freight & Logistic Overview 2021

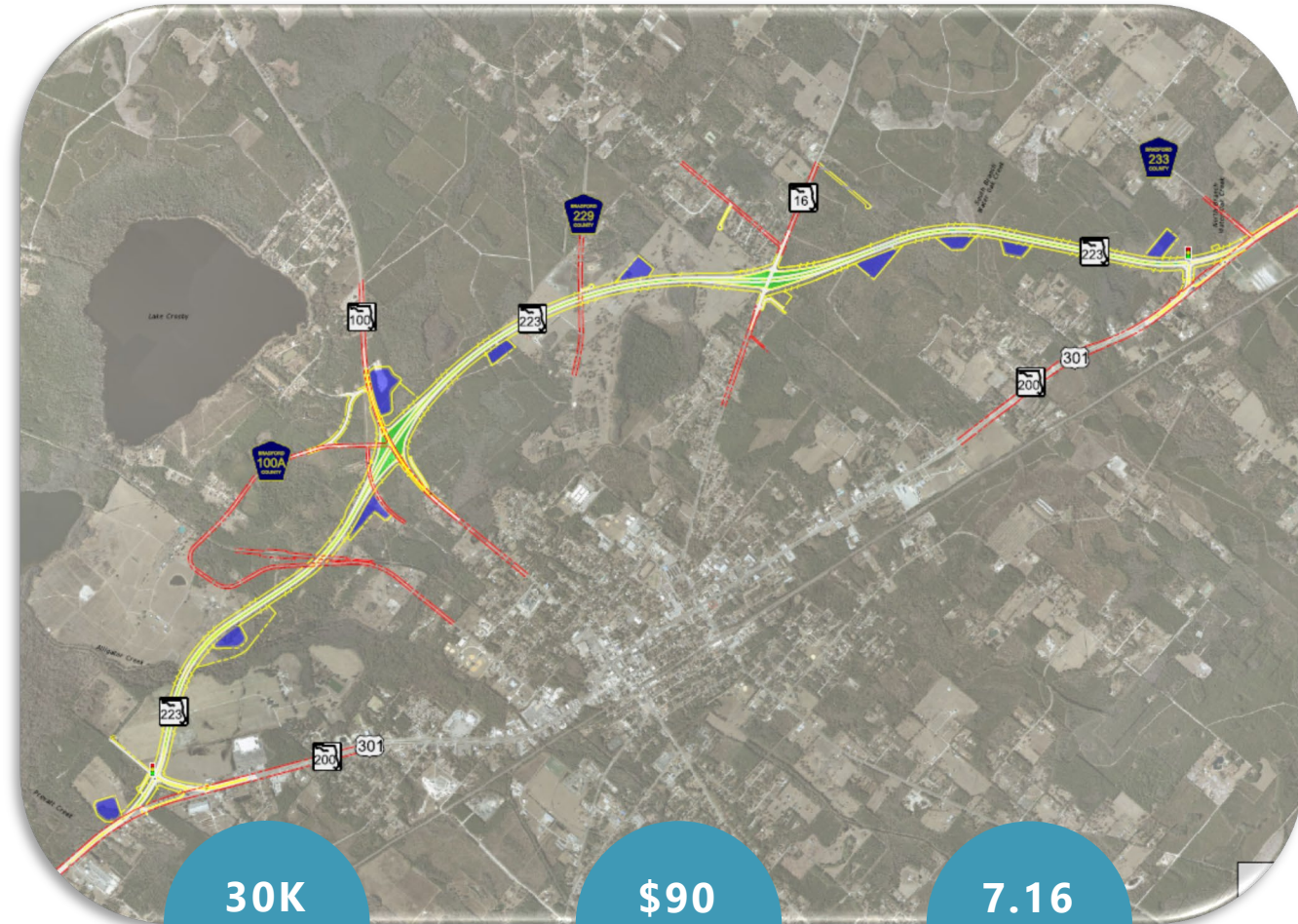
# Major Projects

## STARK TRUCK ROUTE



4-Lane Rural Facility  
Opened 2019

- U.S 301 **vital route** for Florida's trucking industry
- New road to **alleviate traffic** on the north and south ends of the U.S. 301 Starke route
- Truck **by-pass route** around the City of Starke
- **Reduction** in traffic congestion and heavy traffic



30K  
Vehicles

Travel this  
Segment Daily

\$90  
Million

Project  
Cost

7.16  
Miles

Project  
Length <sup>30</sup>



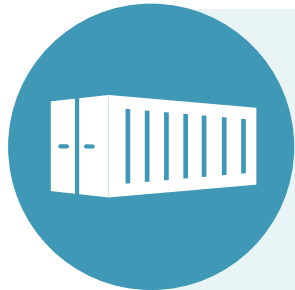
# Major Projects

## JAXPORT



### Harbor Deepening Project

Deepen shipping channel from 40 feet to 47 feet through Blount Island



### SSA Jacksonville Container Terminal (JCT) at Blount Island

\$ 100 million in berth enhancements



### Container Cranes

These cranes are equipped to service post-Panamax vessels



# Major Projects

## RAIL



### Rail Capacity Project

FM# 446827-2

### Jacksonville Freight Improvements

CSX, NS & FEC Interchange



### Starke RR Overpass From: US 301 to: East of CSX RR

FM#436558-1, work started in 2023





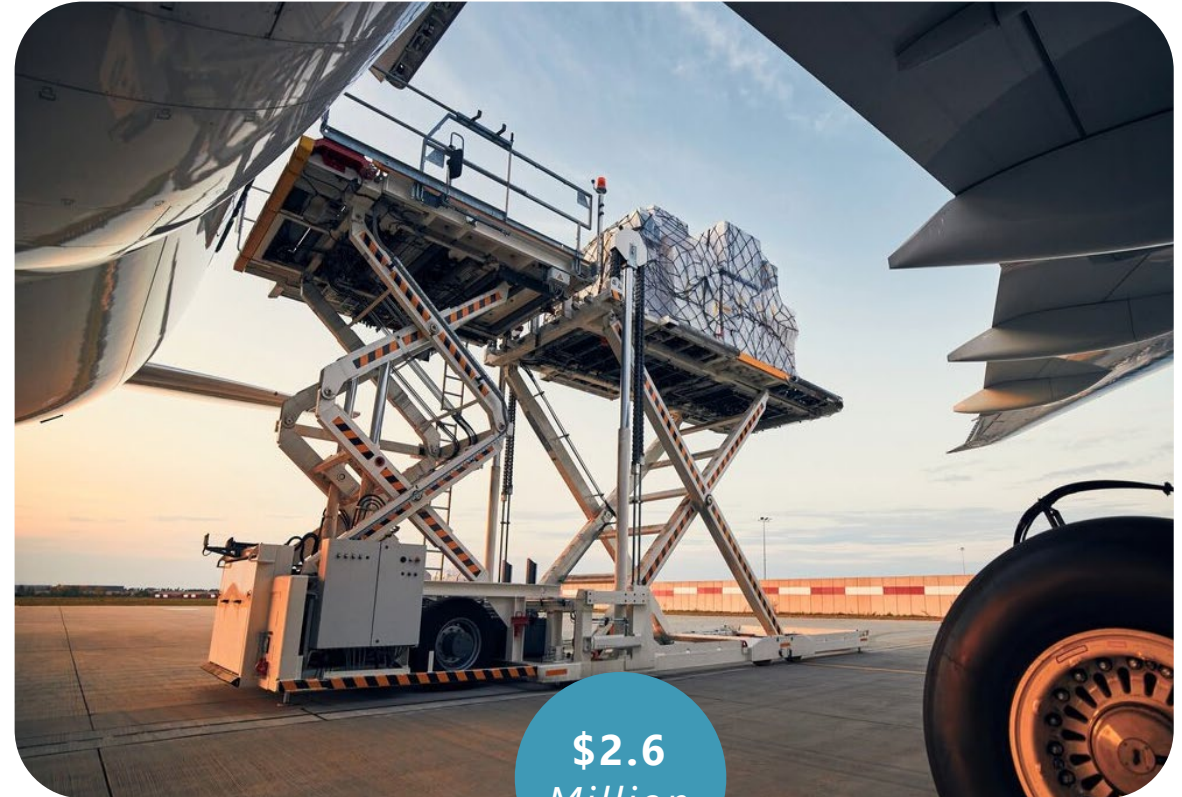
# Major Projects

## JAX INTL AIRPORT AIR CARGO RAMP EXPANSION



Completed 2019

- **FM#434876-1**
- Expanded the existing Air Cargo apron by adding **7000 square yards** of concrete to the southern side of the existing apron.
- The existing air cargo apron is located north of runway 14/32 and south of the terminal structure.



**\$2.6**  
*Million*

**Project  
Cost**

# Major Projects

## AIR CARGO 3 RAMP EXPANSION



Will begin 2023

- **FM#432640-2**
- Expands the existing apron near Air Cargo 3, which is located on the southeast end of the terminal and north of the approach end of Runway 32.
- The expansion will provide approximately **7,300** additional square yards of concrete south of the existing apron and will provide an additional parking spot and ADG IV taxilane access.



**\$5**  
*Million*

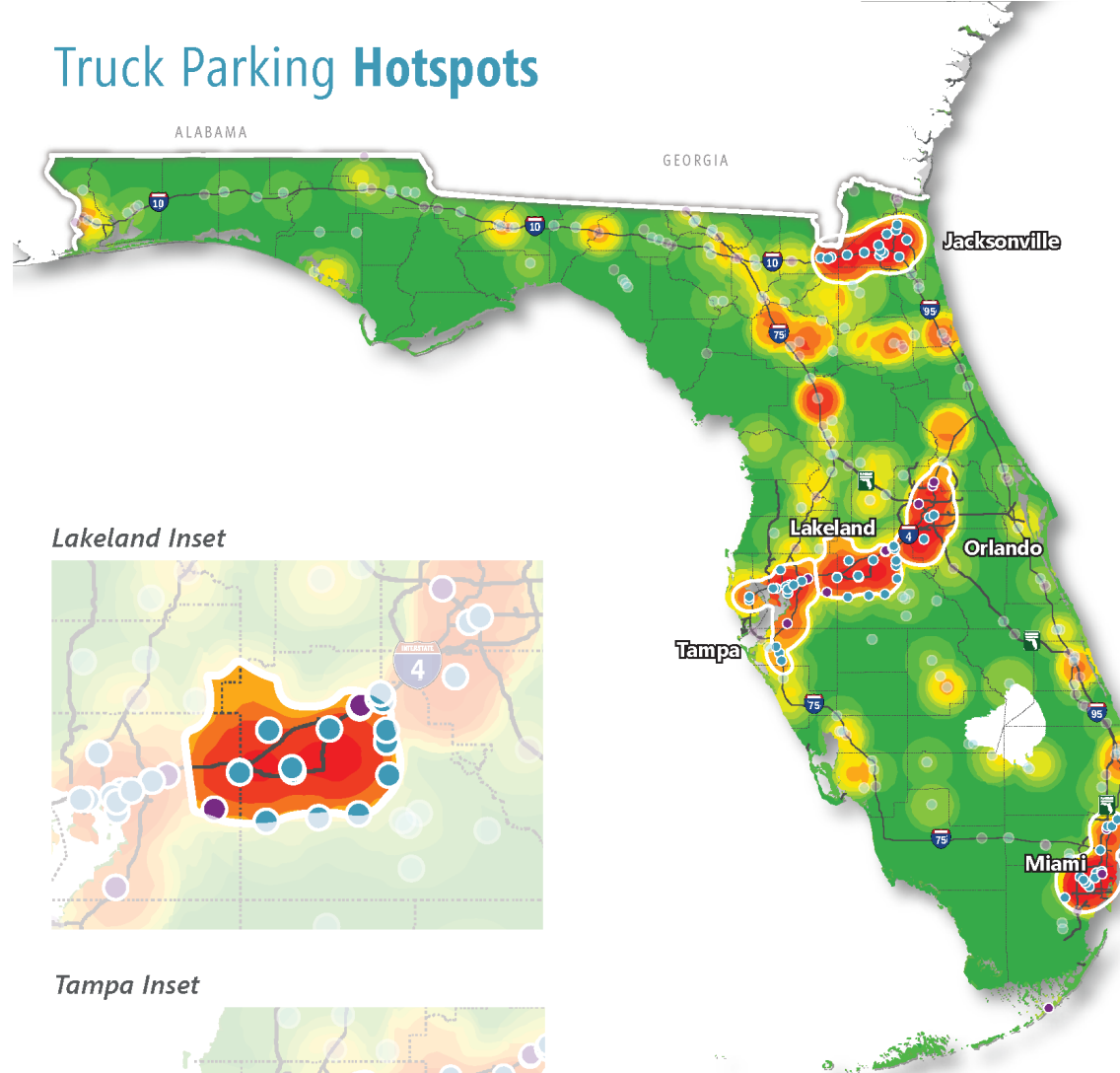
**Project  
Cost**

# North-East Florida Truck Parking Study

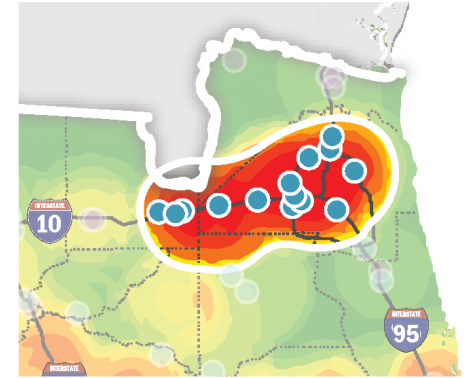


District Two has **31** public locations with **655** spaces.

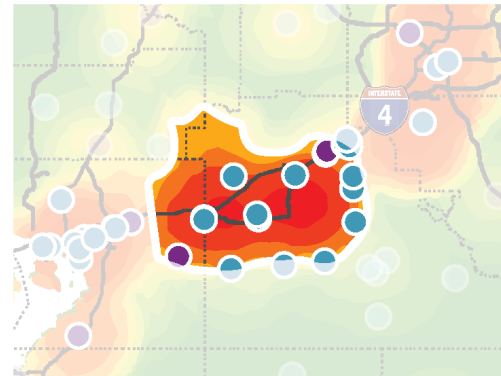
## Truck Parking Hotspots



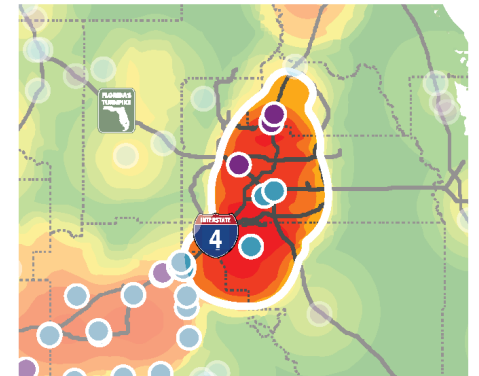
Jacksonville Inset



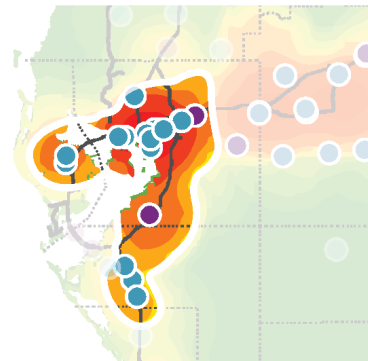
Lakeland Inset



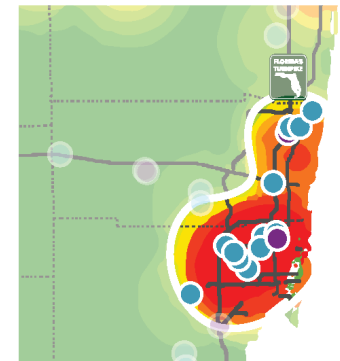
Orlando Inset



Tampa Inset



Miami Inset



### LEGEND

- Public Truck Parking
- Private Truck Parking
- High Utilization
- Low Utilization

# Looking Ahead FREIGHT IMBALANCE

142M  
Tons

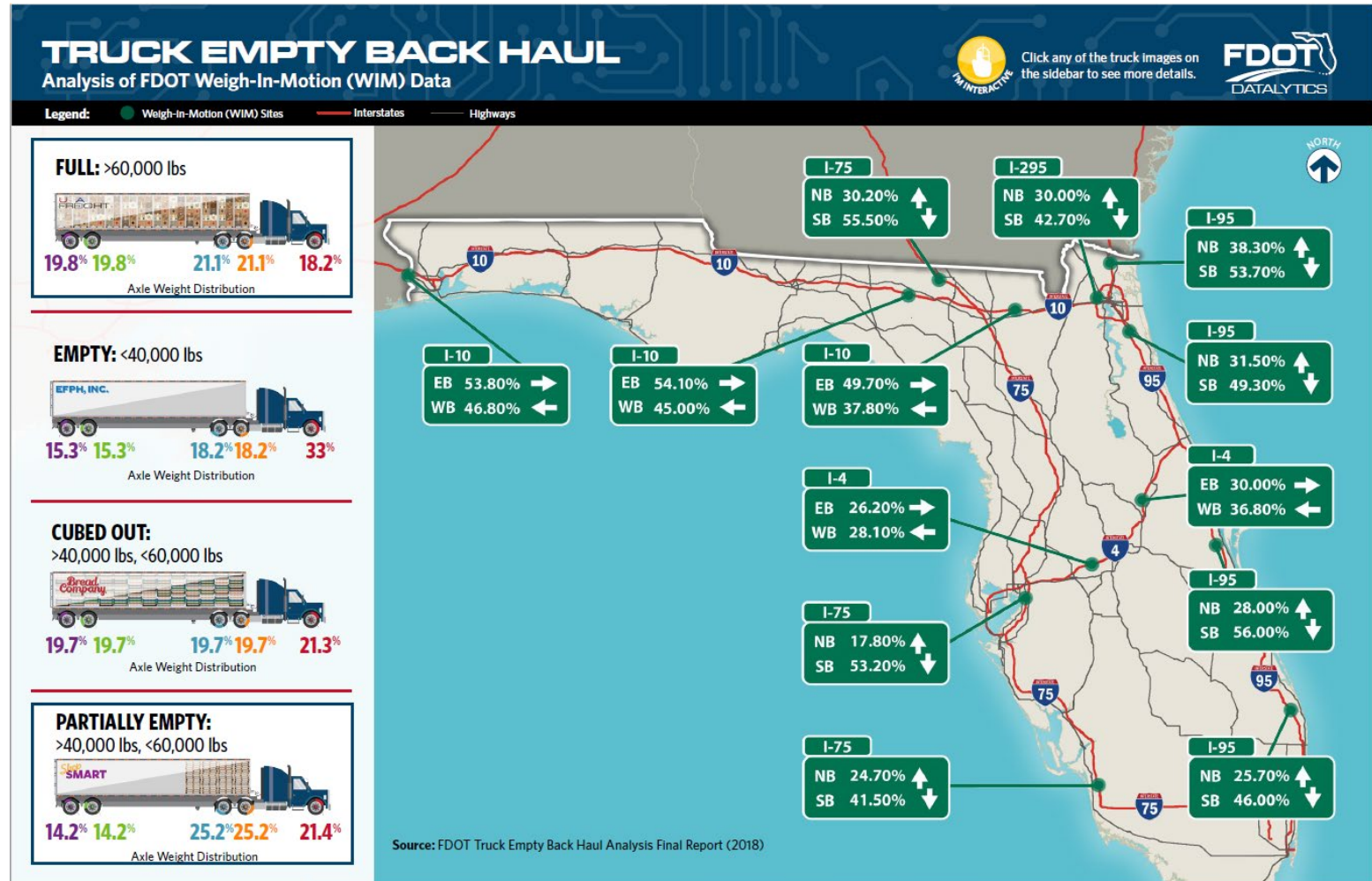
Inbound

57M  
Tons

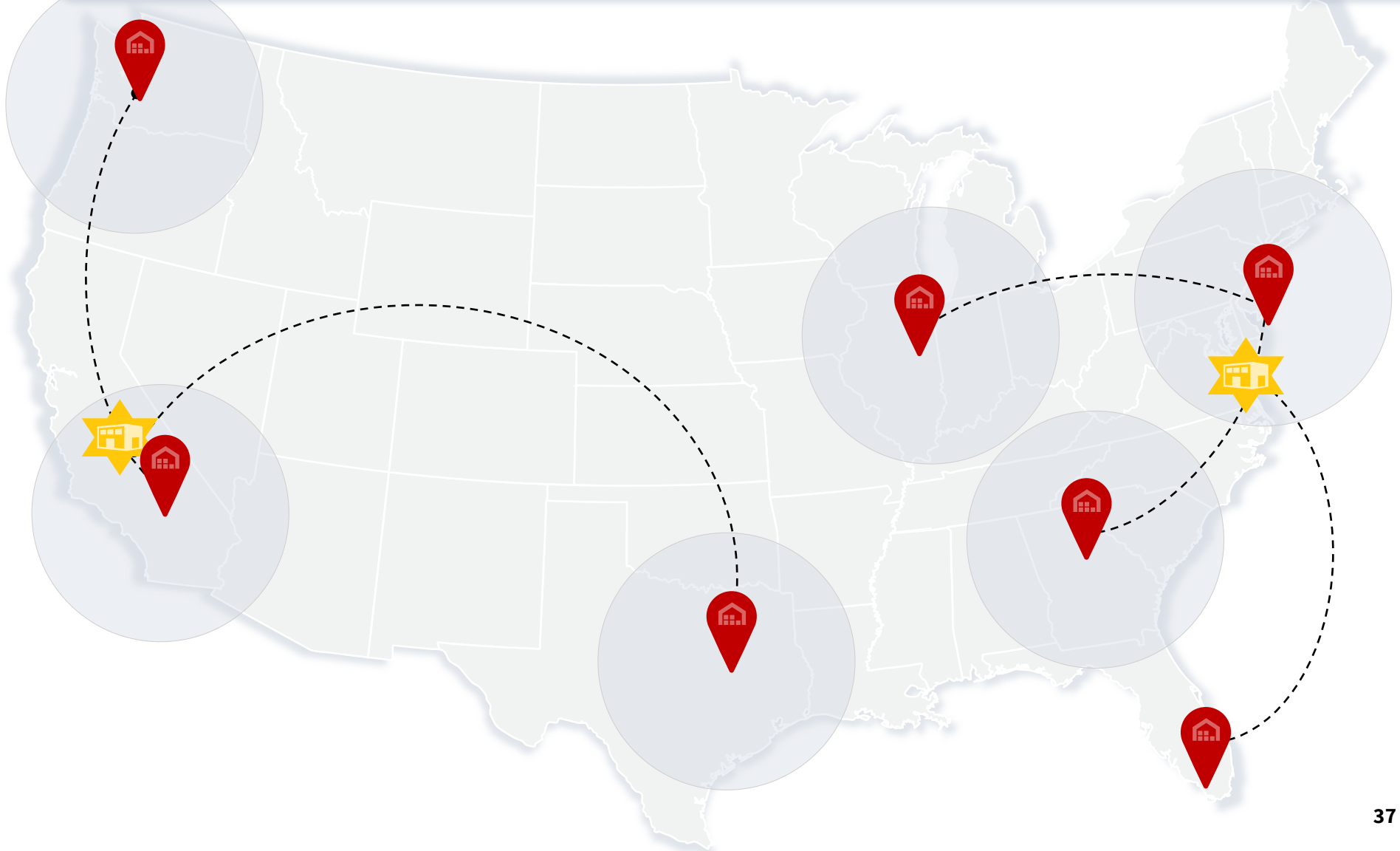
Outbound

656M  
Tons

Within



# Direct-to- **CONSUMER** 2016-ish



- Legend**
- - - - -> FTL ROUTE
  - PARCEL DELIVERY AREA
  - ★ CENTRAL DISTRIBUTION
  - 📍 REGIONAL DISTRIBUTION

# Direct-to- **CONSUMER** Current



- Legend**
- - - - -> FTL ROUTE
  - PARCEL DELIVERY AREA
  - ★ CENTRAL DISTRIBUTION
  - 📍 REGIONAL DISTRIBUTION



# *FMT***P24**

FREIGHT MOBILITY AND TRADE PLAN

## **Hunter Livingston**

FDOT District Two  
Freight, Seaport & Fleet  
[Hunter.Livingston@dot.state.fl.us](mailto:Hunter.Livingston@dot.state.fl.us)



# BREAKOUT SESSION





Go to  
[www.menti.com](https://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

**May 2023**

FMTTP Kickoff

**June 2023**

Regional Freight  
Forums

**October  
2023**

PAC 3 Meeting

**February  
2024**

Submit to FHWA  
for approval

**May  
2023**

PAC 1  
Meeting

**July  
2023**

PAC 2  
Meeting &  
FLFAC  
Meeting

**December  
2023**

PAC 4 Meeting  
& FLFAC  
Meeting



# 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](mailto:Amanda.Tyner@dot.state.fl.us)

## District 2 | Lake City

Hunter Livingston

[Hunter.Livingston@dot.state.fl.us](mailto:Hunter.Livingston@dot.state.fl.us)

## District 3 | Chipley

Ray Corbitt

[Ray.Corbitt@dot.state.fl.us](mailto:Ray.Corbitt@dot.state.fl.us)

## District 4 | Ft. Lauderdale

Justin Stroh

[Justin.Stroh@dot.state.fl.us](mailto:Justin.Stroh@dot.state.fl.us)

## District 5 | DeLand

Sarah Van Gundy

[Sarah.VanGundy@dot.state.fl.us](mailto:Sarah.VanGundy@dot.state.fl.us)

## District 6 | Miami

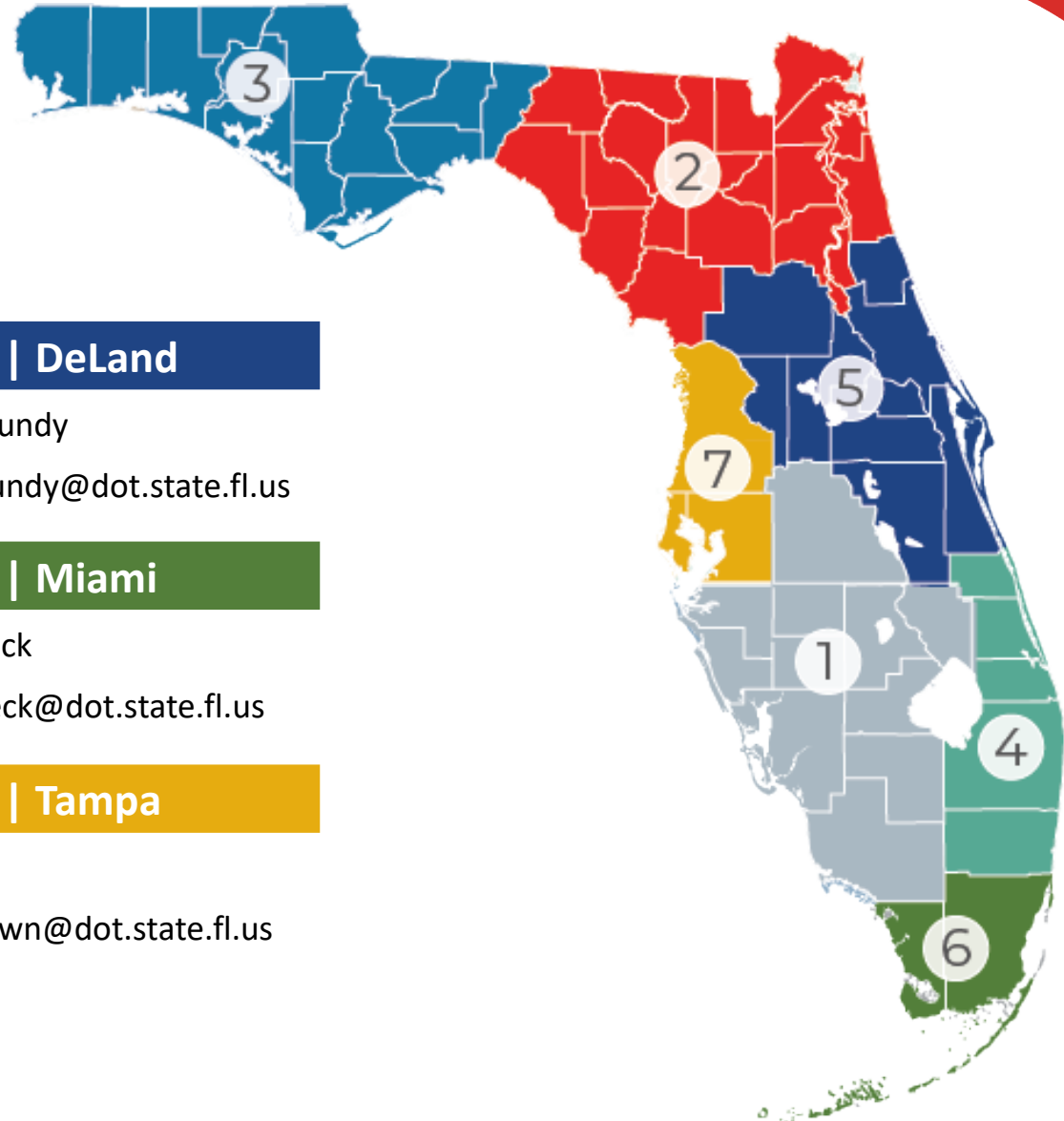
Daniel Lameck

[Daniel.Lameck@dot.state.fl.us](mailto:Daniel.Lameck@dot.state.fl.us)

## District 7 | Tampa

Mike Brown

[Michael.Brown@dot.state.fl.us](mailto: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](#)



# *FMT***P24**

FREIGHT MOBILITY AND TRADE PLAN

## THANK YOU

### **Holly Cohen**

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### **Eugene Jules**

Freight and Rail Planner – RXR  
Opening/Closure Program  
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**FREIGHT@dot.state.fl.us**

