

# Florida Freight Advisory Committee

May 8, 2018



# Key Contacts



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# Call to Order



OFFICE OF FREIGHT, LOGISTICS & PASSENGER OPERATIONS

# Roll Call



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<b>Name</b>	<b>Organization</b>
<b>David Anderton</b>	<b>Port Everglades</b>
<b>Joe Arbona</b>	<b>Genesee &amp; Wyoming Railroad Services, Inc.</b>
<b>Mark Bontrager</b>	<b>Space Florida</b>
<b>Pete Coultas</b>	<b>A. Duda &amp; Sons, Inc.</b>
<b>Tony Cugno</b>	<b>Jacksonville Aviation Authority</b>
<b>John Dohm</b>	<b>Florida Transatlantic Holdings, LLC d/b/a Florida Transatlantic Consulting</b>
<b>Richard Dubin</b>	<b>Caribbean Ship Services Inc.</b>
<b>Scott Fernandez</b>	<b>Aqua Gulf Transport</b>
<b>Gary Goldfarb</b>	<b>Interport Logistics, LLC</b>
<b>Toy Keller</b>	<b>Florida Ports Council</b>
<b>Eric Lindstrom</b>	<b>Hillsborough County Economic Development Department</b>
<b>Robert Midgett</b>	<b>Walmart Logistics</b>
<b>Amy Miller</b>	<b>Port of Pensacola</b>
<b>Bob O'Malley</b>	<b>CSX</b>
<b>Stan Parkes</b>	<b>Crowley Logistics</b>
<b>Barbara Pimentel</b>	<b>Florida Customs Brokers &amp; Forwarders Association</b>
<b>Troy Post</b>	<b>North Brevard Economic Development Zone</b>
<b>Ryan Stoeger</b>	<b>Mosaic</b>
<b>Greg Stuart</b>	<b>Broward MPO</b>
<b>Jake Swab</b>	<b>Purina Animal Nutrition</b>
<b>Malcom Wade</b>	<b>US Sugar</b>
<b>Mary Beth Washnock</b>	<b>West Florida Regional Planning Council</b>

# Adoption of Previous Meeting Minutes (February 6, 2018)



# Opening Remarks/Meeting Objectives



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# Revisiting the Role of the FLFAC

The role of a State freight advisory committee is to—

- advise the State on freight-related priorities, issues, projects, and funding needs;
- serve as a forum for discussion for State transportation decisions affecting freight mobility;
- communicate and coordinate regional priorities with other organizations;
- promote the sharing of information between the private and public sectors on freight issues; and
- participate in the development of the freight plan of the State.

[49 U.S.C. 70201]

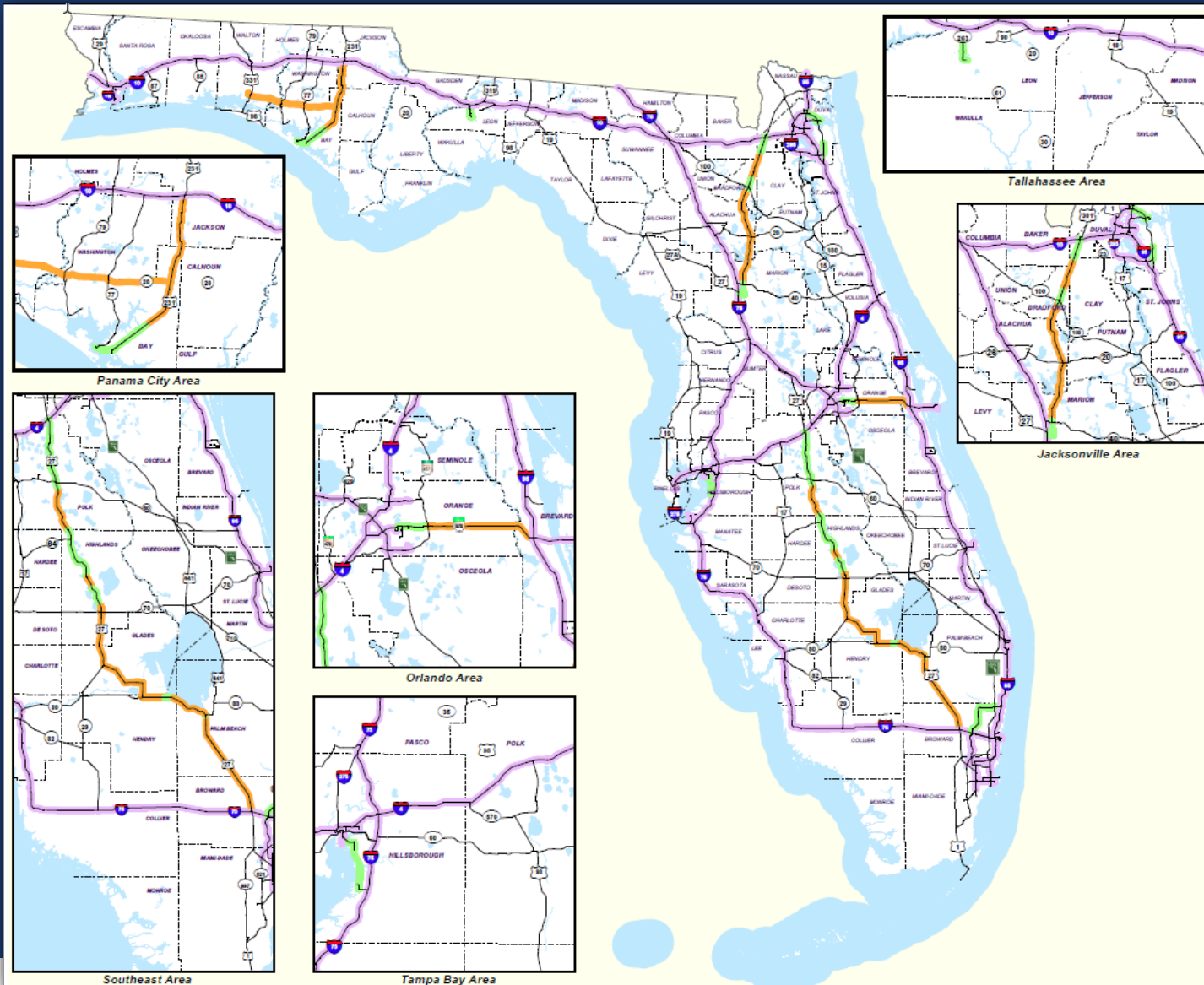


# Proposed National Highway Freight Network Changes & Committee Recommendation

*“Advise the State on freight-related priorities, issues, projects,  
and funding needs”*



# Florida Designation Components for Urban & Rural Corridors



FDOT INTERMODAL SYSTEMS DEVELOPMENT **FLP** OFFICE




## National Highway Freight Network (NHFN)

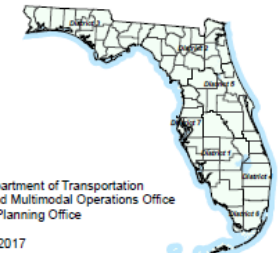
### Florida

Freight, Logistics and Passenger Operations Office

#### LEGEND

#### NHFN (National Highway Freight Network)




-  PHFS (Primary Highway Freight System)
-  CRFC (Critical Rural Freight Corridor)
-  CUFC (Critical Urban Freight Corridor)

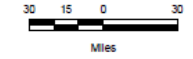


Source:  
Florida Department of Transportation  
- Freight and Multimodal Operations Office  
- Systems Planning Office

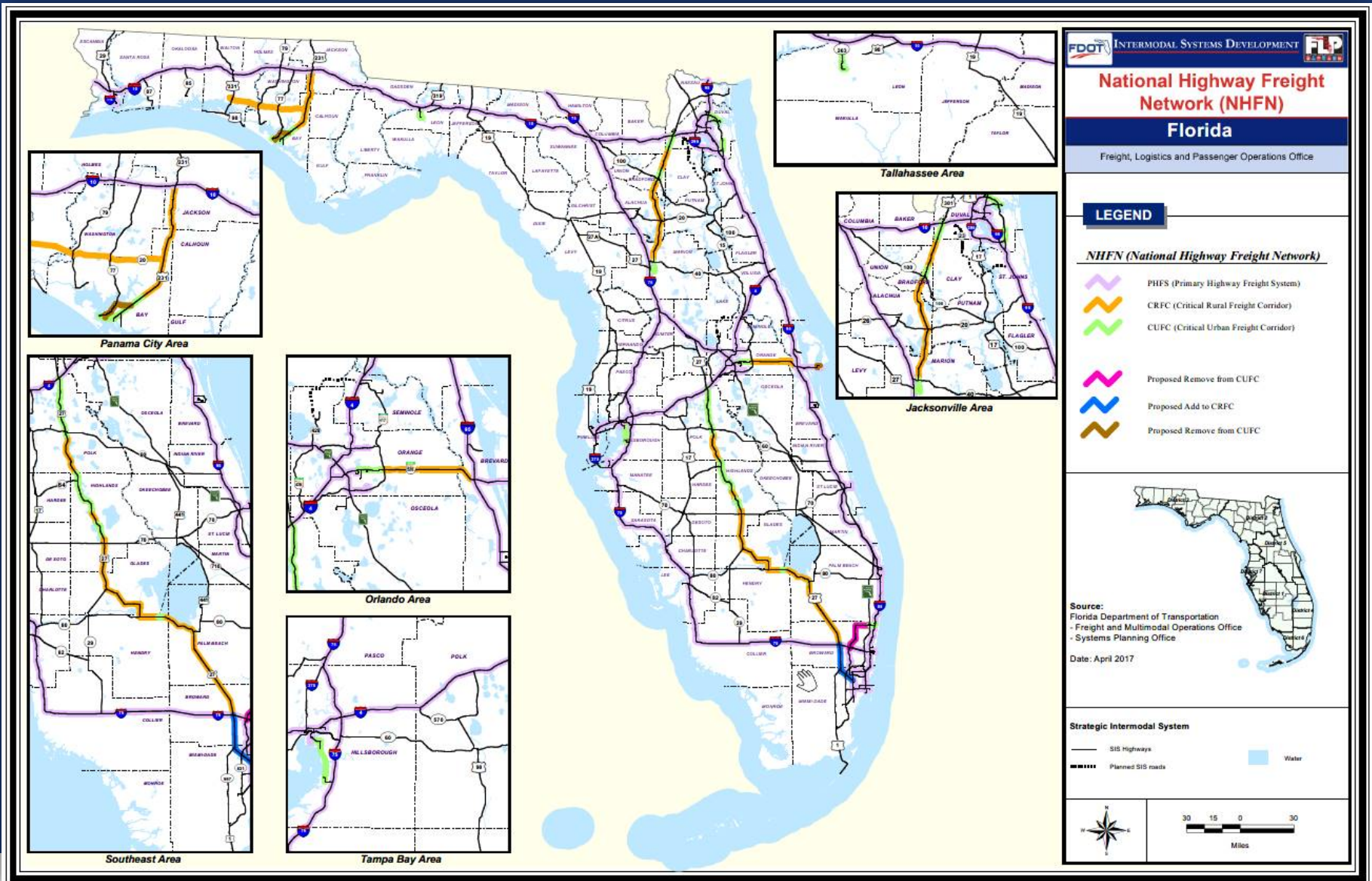
Date: April 2017

#### Strategic Intermodal System

-  SIS Highways
-  Planned SIS roads
-  Water



# Proposed Changes



# Proposed Changes

- Draft Committee recommendation:  
Approve the proposed National Highway Freight Network changes as presented

# Proposed National Highway Freight Program Priorities & Committee Recommendation

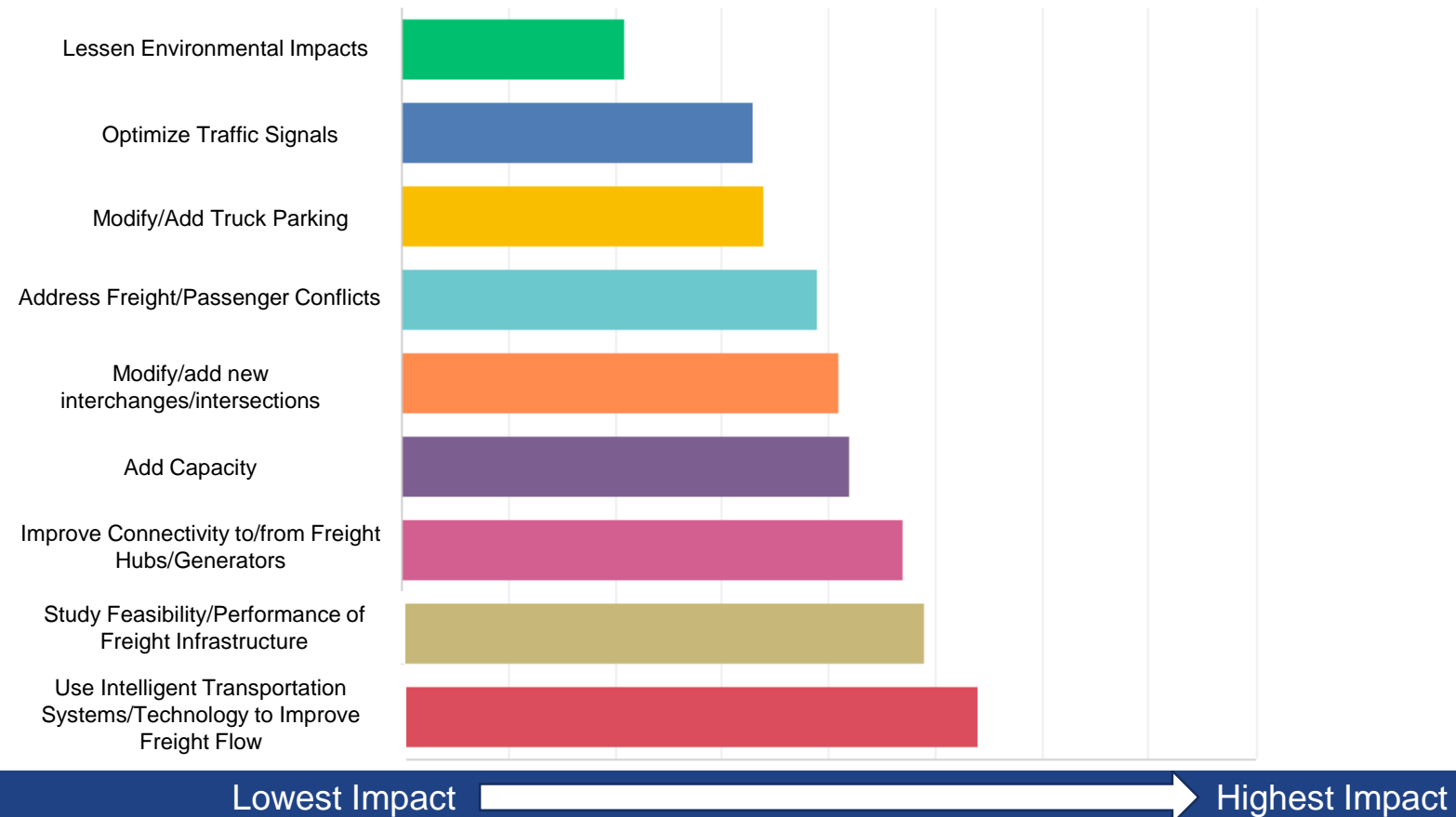
*“Communicate and coordinate regional priorities with other organizations”*



# FLFAC Pre-Meeting Survey Results

Please rank these types of projects from highest to lowest impact (1 being the highest impact and 9 being the lowest impact). Please only use each ranking number once. Projects that:

Answered: 10 Skipped: 0



# FLFAC Pre-Meeting Survey Results

## Missing Project Types from Q1:

- Truck platooning
- Roadway design for future
- Innovative pilot programs for congested areas
- Rail/highway corridor crossing optimization & improvement
- Bridge work
- Stricter initial testing/guidelines to maintain currency & operating licensing for commercial carriers
- Study in non-traditional modes of moving people & freight
- Regional connectivity
- Port development

# Project Types

- Use intelligent transportation systems/other technology to improve the flow of freight
- Proposed projects:
  - Adaptive Signal System on US 27 from Highlands Ave to Sebring Parkway
  - I-4 Florida's Regional Advanced Mobility Elements (FRAME)
  - Advanced Transportation & Congestion Management Technology Deployment (ATCMTD)





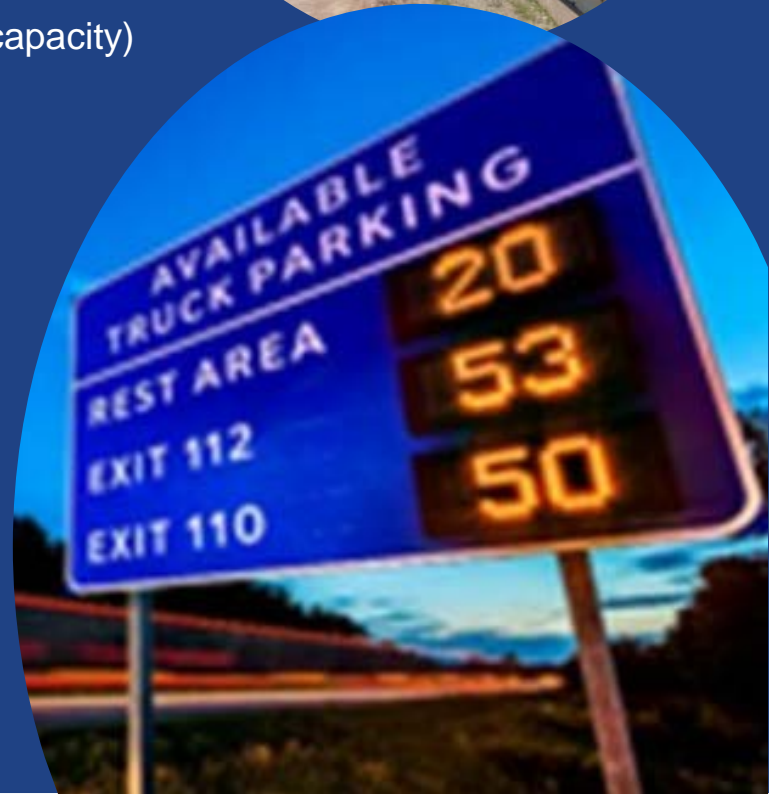
# Project Types

- Address conflicts between freight and passenger users
  - May be a component of several freight planning studies
  - More generally addressed in all future projects as part of FDOT's Complete Streets efforts



# Project Types

- Add capacity (add/widen lanes, shoulders etc.)
  - US 27 from CR 630A to Presidents Dr (add lanes)
  - US 27 from Highlands County Line to CR 630A (add lanes)
  - I-10 from SR 281 to SR 85 (add lanes)
  - I-10 from SR 261 to Jefferson County Line (add lanes)
  - I-10 from US 90 to Leon County Line (add capacity)
  - I-10 from Gadsden County Line to W of SR 263 (add capacity)
  - US 231 from SR 368 to S of Pipeline Rd (add lanes)
  - I-4 WB Weigh Station (add lanes)
  - I-4 EB Weigh Station (add lanes)
- Add modify Truck parking facilities
  - Golden Glades Truck Travel Center
  - Truck Parking Facility (planning study)



# Project Types

- Lessen the environment impacts of freight movement
  - May be a component of several freight planning studies
  - More generally addressed in truck parking efforts and signal priority and other operational improvements that reduce truck delay
- Improve connectivity to/from a freight hub or generator
  - NW 36th Street assessment of freight needs to support MIA and freight mobility between SR 826 to US 1 (planning study)
  - MIA future facilities assessment including potential direct ramps to the NW 25<sup>th</sup> Viaduct (planning study)



# Project Types

- Modify/add new interchanges/intersections
  - SR 33 @ I-4 (add lanes)
  - I-95 @ US 1 (add lanes)
  - I-10 @ CR 4 Antioch Rd (new interchange)
  - I-95 @ Oslo Rd (new interchange)
  - I-75 @ Pines (interchange improvement)
  - US 1 @ I-595 (add ramp lanes)
  - I-95 @ Gatlin Blvd (interchange improvement)
  - I-95 @ SR 44 (add ramp lanes)
  - SR 519 @ I-95 & Barnes Rd (add ramp lanes)
  - I-4 @ Daryl Carter Pkwy (new interchange)
  - US 41 @ CSX S of Causeway Blvd (grade separation)
  - I-4 @ Mango Rd (add ramp lanes)
  - I-4 @ McIntosh Rd (add ramp lanes)
  - I-4 @ Thonotosassa (add ramp lanes)
  - I-4 @ Branch Forbes Rd (add ramp lanes)
  - I-4 @ Park Rd (add ramp lanes)



# Project Types

- Study feasibility/performance of freight infrastructure
  - PortMiami Tunnel optional services/improvements (planning study)
  - Truck Parking Facility (planning study)
  - NW 36th Street assessment of freight needs to support MIA and freight mobility between SR 826 to US 1 (planning study)



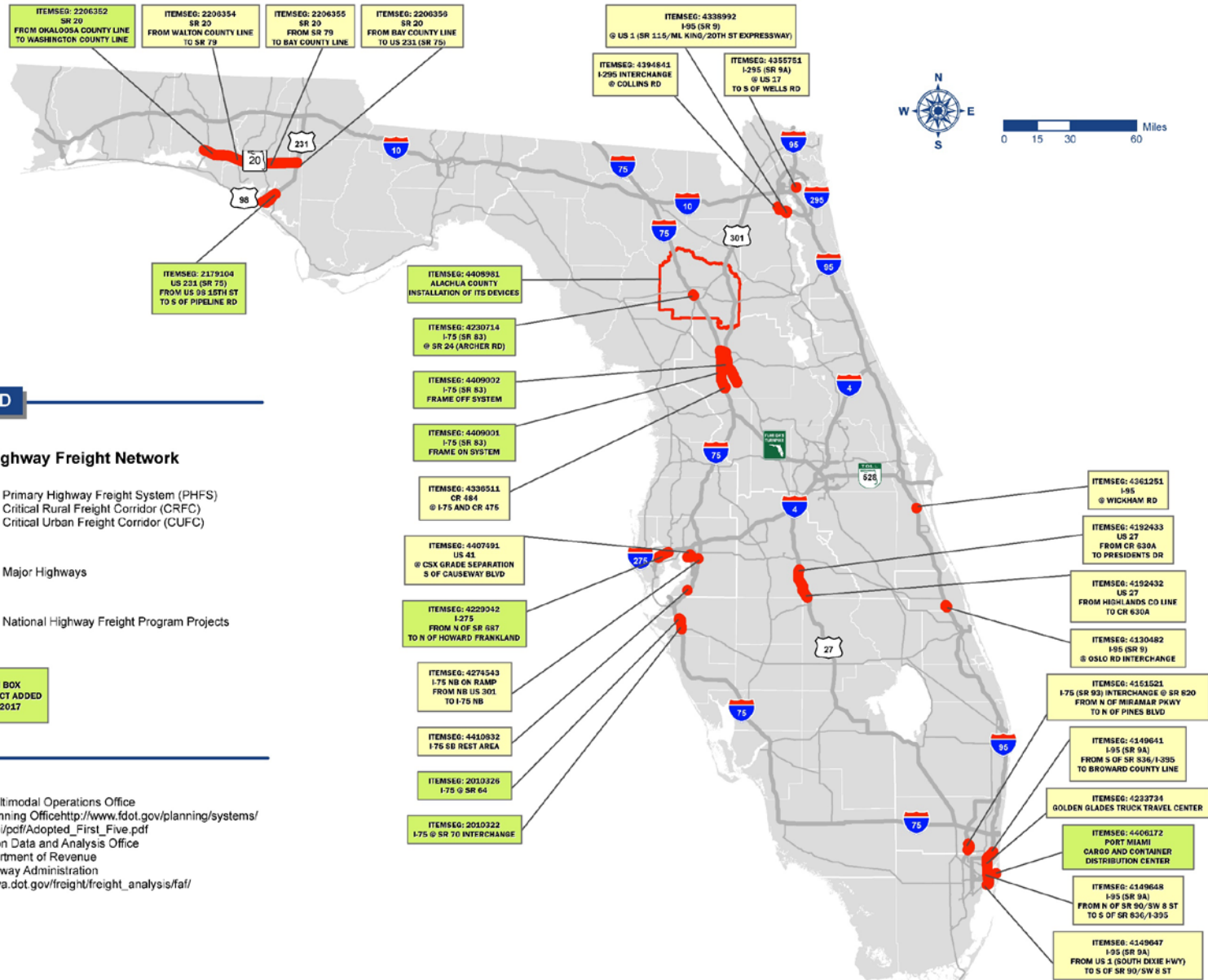
# National Highway Freight Program

The FAST Act established a new National Highway Freight Program to support several goals, including—

- investing in infrastructure and operational improvements that strengthen economic competitiveness, reduce congestion, reduce the cost of freight transportation, improve reliability, and increase productivity;
- improving the safety, security, efficiency, and resiliency of freight transportation in rural and urban areas;
- improving the state of good repair of the NHFN;
- using innovation and advanced technology to improve NHFN safety, efficiency, and reliability;
- improving the efficiency and productivity of the NHFN;
- improving State flexibility to support multi-State corridor planning and address highway freight connectivity; and
- reducing the environmental impacts of freight movement on the NHFN

<https://www.fhwa.dot.gov/fastact/factsheets/nhfdfs.cfm>

# National Highway Freight Program Projects FY 2017 - 2020



## LEGEND

### National Highway Freight Network

- Primary Highway Freight System (PHFS)
- Critical Rural Freight Corridor (CRFC)
- Critical Urban Freight Corridor (CUFC)
- Major Highways
- National Highway Freight Program Projects

LIGHT GREEN BOX INDICATES PROJECT ADDED IN SUMMER 2017

### Sources

- Freight & Multimodal Operations Office
- Systems Planning Office [http://www.fdot.gov/planning/systems/programs/msp/pdff/Adopted\\_First\\_Five.pdf](http://www.fdot.gov/planning/systems/programs/msp/pdff/Adopted_First_Five.pdf)
- Transportation Data and Analysis Office
- Florida Department of Revenue
- Federal Highway Administration [https://ops.fhwa.dot.gov/freight/freight\\_analysis/faf/](https://ops.fhwa.dot.gov/freight/freight_analysis/faf/)

# Proposed Project Requests Estimate

Phase	2019	2020	2021	2022	2023	2024	Total
ENV	0	50,000	30,000	0	0	10,000,000	10,080,000
PDE	2,575,000	12,587,500	1,500,000	0	0	0	14,087,500
PE	10,801,000	1,920,086	167,920	1,533,016	0	11,350,000	14,971,022
RW	0	3,090,000	50,963,660	38,171,019	17,740,000	9,757,300	119,721,979
CON	150,000	20,419,759	64,048,215	800,000	86,224,930	97,050,551	268,543,455
<b>Total</b>	<b>13,526,000</b>	<b>38,067,345</b>	<b>116,709,795</b>	<b>40,504,035</b>	<b>103,964,930</b>	<b>128,157,851</b>	<b>427,403,956</b>



# Proposed NHFP Recommendation

- Draft Committee recommendation:  
Approve the proposed National Highway Freight Program package of proposed projects as presented, with priority give to project types identified by the survey participants as high impact

# Freight Mobility Issues Exercise, Poll, & Discussion

*“Serve as a forum for discussion for State transportation decisions affecting freight mobility”*



# Exercise, Poll, & Discussion

What do *you* think is the biggest issue in freight mobility?

# Highlighted Research/Tasks & Discussion

*“Promote the sharing of information between the private and public sectors on freight issues”*



# Empty Backhaul Research

- Objectives
  - Quantify the volume and categorize the types of freight consumed in Florida that currently enter the U.S. through port gateways outside of Florida
  - Evaluate logistics efficiency and effectiveness gains for shippers (e.g., landed costs, delivery times, reliability gains, risk mitigation) by changing shipments from competing ports to Florida ports
  - Conduct a benchmark analysis that identifies the advantages of Florida port gateways compared to key competitive gateways that currently handle freight bound for Florida markets
  - Evaluate the potential impact of attracting a higher percentage of imports destined for Florida markets on the empty backhaul problem
  - Develop an “action plan” by key industries in order to effectively attract imports destined for Florida markets, while taking into account the return on investment (ROI) for the state

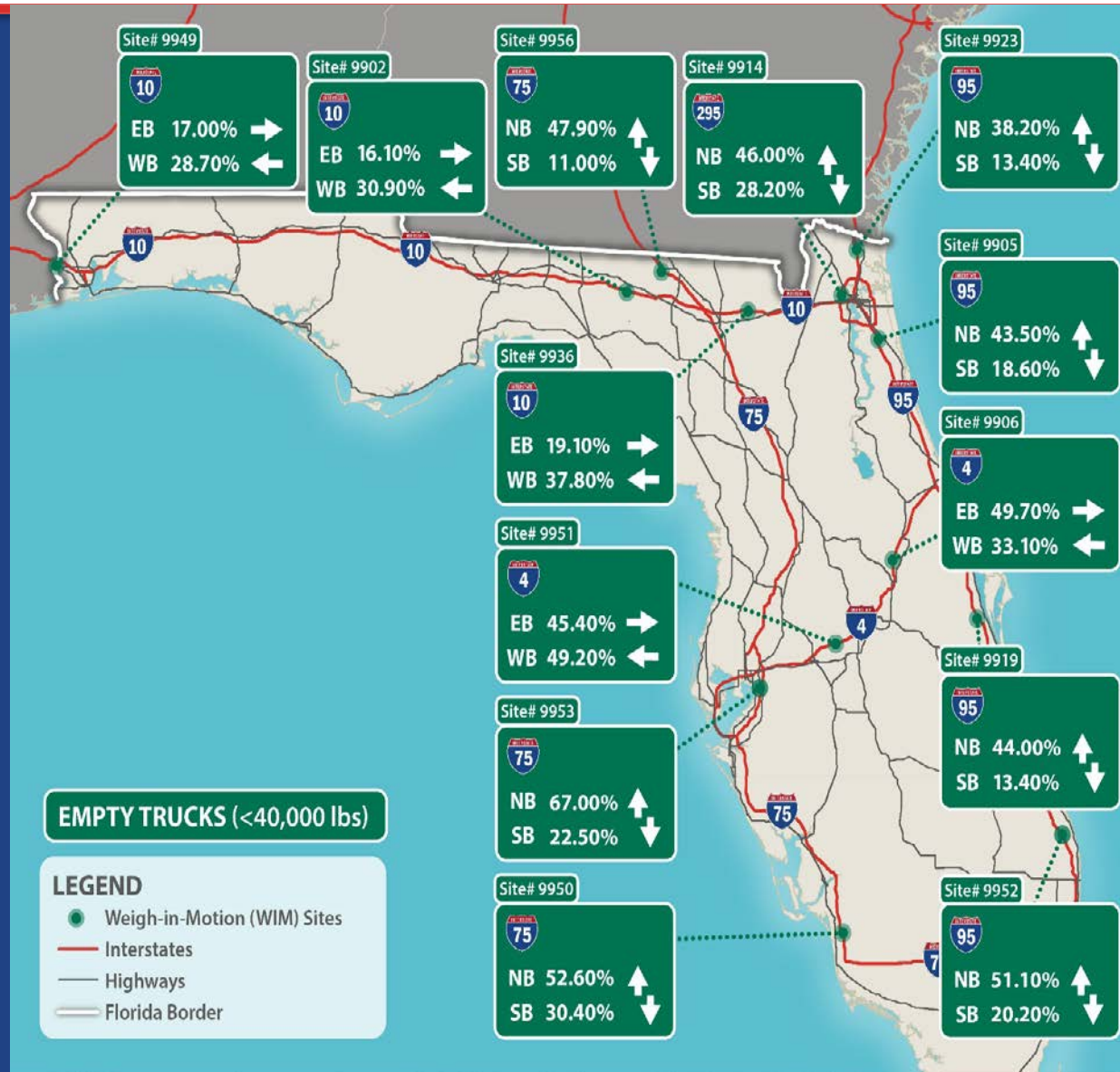
# Empty Backhaul Action Plan (draft)

- Identify shipping routes that can be highly competitive
- Continue to invest in infrastructure to strengthen FL ports
- Identify key commodities to direct shipments to FL
- Evaluate and optimize the use of equipment at ports (cranes, etc.)
- Continue open communication between public and private

# Empty Backhaul Study Findings

The percentage of empty trucks leaving the state ranges between 30% and 50% depending on the corridor.

Approximately 15% to 20% trucks entering Florida are also empty.



# Empty Backhaul Recommendations

- Include all freight modes in future analysis
- Obtain industry data to better understand private sector perspective – supply chain optimization
- Investigate opportunities to improve the robustness of the WIM data (bobtails in Class 6, additional field attributes (i.e., GVW/UL))
- Consider a partnership with FDACS and FDOR to identify cargo inside trailers
- Investigate Bill of Lading data acquired by FDOT Traffic Operations
- Leverage synergies between Freight Facilities dataset, Truck Taxonomy research, Empty Backhaul analysis, and Vehicle Inventory and User Survey
- Consider a Florida Freight Commodity Survey to understand commodity flows at a micro-level





# State Freight Plan Update & Discussion

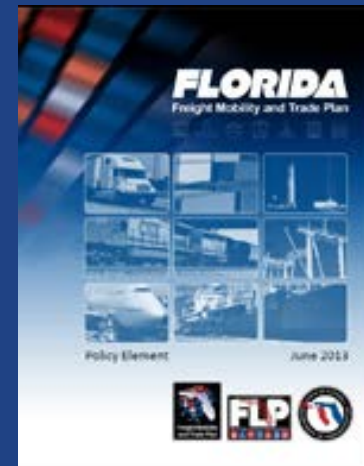
*“Participate in the development of the freight plan of the State”*



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# State Freight Plan

- Build on the previous plan – One integrated effort
- Compliance with FAST Act requirements (last time MAP-21, FAST Act compliance was an addendum)
- Improve project prioritization and selection
- Incorporate supply chain resiliency
- Increase ITS discussion and develop ITS solutions
- Incorporate emerging technologies and trends
- Continue to engage other state agencies
- Increase interagency collaboration
- Meet the needs of the business community while serving DOT's needs and meeting federal
- Review freight goals and objectives – for alignment with new state and national freight goals



# Public Comments



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# Member Comments



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# Next Steps



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# FLFAC – Going Forward

There will be a post-meeting survey to gather input on some organizational & future outlook content:

- Committee member shelf-life
- Process to drop/add members
- Keeping it relevant & representative (by mode)
- Guidelines/benchmarks to remain on committee?
- Your role/insight/level of engagement/participation

# Adjourn

Questions?  
Please visit  
[FreightMovesFlorida.com](http://FreightMovesFlorida.com)

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