



Florida Transportation Commission

TEAMS Meeting
March 18, 2021



Welcome and Call to Order

Chairman Ron Howse



FDOT Agency Update, District 1 Update

Assistant Secretary Brad Thoburn
D1 Secretary LK Nandam



FLORIDA TRANSPORTATION COMMISSION



District Secretary L.K. Nandam, PE

Phone: (863) 519-2201

Email: l.nandam@dot.state.fl.us

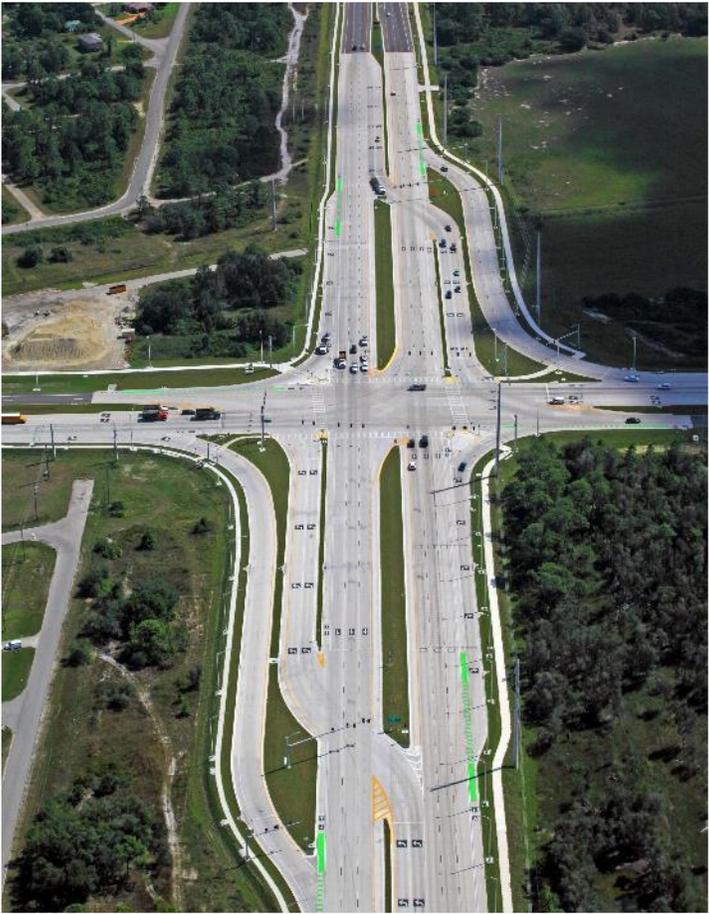


- My approach
 - Strong relationships
 - Proactive communication
 - Always do the right thing
- Priorities
 - Safety
 - Community Success
 - Employee Success

- Partnerships are key to make a difference
- State Bicycle/Pedestrian Safety Champion

The “Vital Few”





Florida's First CFI

Recent Awards for the Continuous Flow Intersection at SR 82 and Gunnery Road in Lee County

- AASHTO Operations Excellence Award- Southern Region
- ASHE National Project of the Year (Over \$20 Million)
- ACEC Grand Award for Engineering Excellence
- Roads and Bridges Magazine Top 10 Project



Southwest Connect

FDOT District One Interstate Program



Interstate 4

from west of SR 570 (Polk Pkwy)
to west of US 27

Interstate 75 (North Corridor)

from North River Rd
to Moccasin Wallow Rd

Interstate 75 (South Corridor)

from Collier Blvd (SR 951)
to Bayshore Rd (SR 78)



LENGTH

Approx. 30
miles



COUNTIES

Polk



LENGTH

Approx. 40
miles



COUNTIES

Sarasota, Manatee



LENGTH

Approx. 42
miles



COUNTIES

Collier, Lee

Interstate 75 at State Road 70

- Reconstruction of the SR 70 interchange from a partial cloverleaf design to a modified diamond interchange design
- Widen I-75 from north of University Parkway to south of SR 64
- Accommodate I-75 Ultimate
- Contractor: Sacyr Construction
- Cost: \$80.8 M
- Estimated Completion: Fall 2021



Interstate 75 at State Road 884/ Colonial Boulevard

- Reconfiguration of the I-75 at Colonial Boulevard interchange to a DDI
- Continuous Flow Intersection (CFI) at the intersection of Colonial Boulevard and Six Mile Cypress Parkway/Ortiz Avenue
- Superstreet configuration at the Colonial Boulevard and Forum Boulevard intersection
- Start: January 2021
- Cost: \$53 M



Interstate 75 at US 301

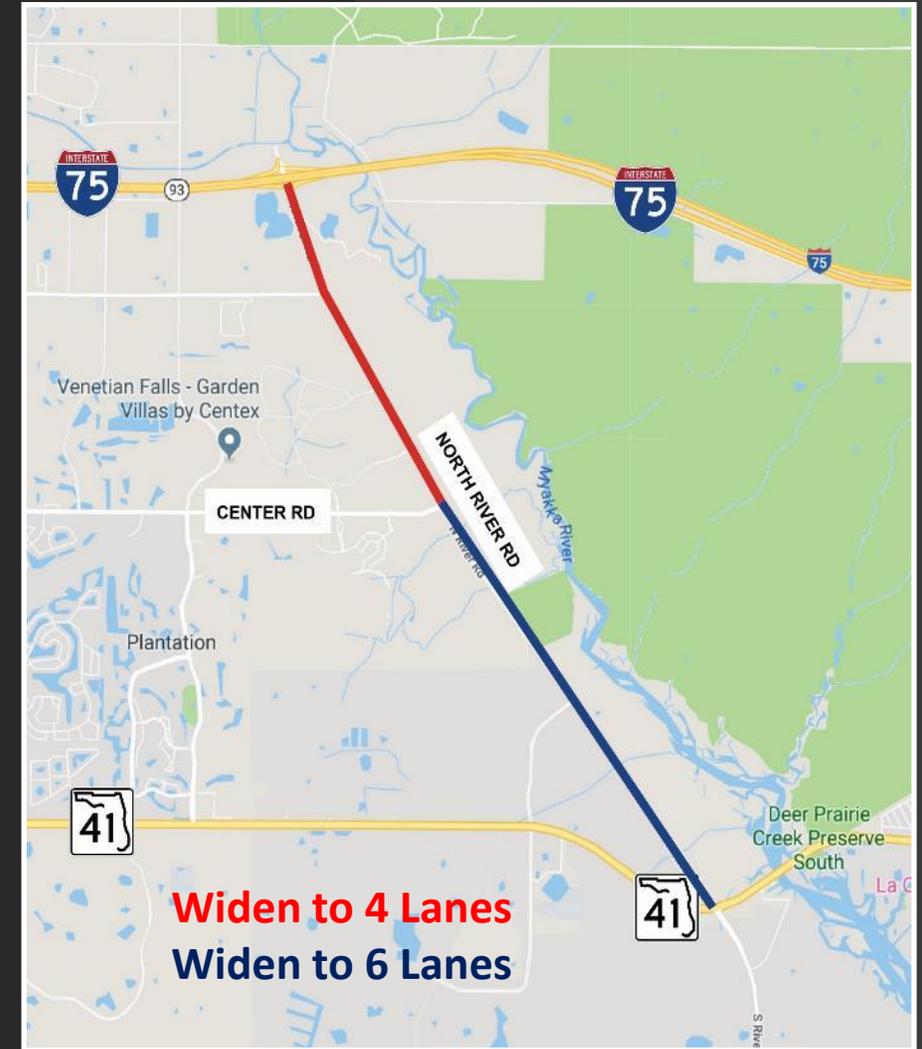


- Rebuild interchange to tight diamond configuration
- New bridges over Manatee River for northbound exit ramp and southbound entrance ramp
- Widen interstate to 8-lanes
 - 12-foot inside and outside shoulders (10-foot paved)
- Accommodate I-75 Ultimate
- Cost: \$145 M
- Estimated Start: Fall 2021



River Road Widening

- FDOT recently completed the transfer of River Road from Sarasota County.
 - Sarasota County accepted portions of SR 72 and SR 758.
- FDOT will widen to 6 lanes south of Center Road and 4 lanes north.
- Design-Build Project
- Estimated Start- Summer 2021
- Estimated Completion- Late 2023
- Estimated Cost- \$67 million



US 41 FRAME Project



- Deploy emerging safety and mobility solutions for the US 41 Arterial FRAME, such as Connected and Automated Vehicles and Automated Traffic Signal Performance Measures
- 6.44 miles along US 41 from Pine Island Road to North Airport Road in Lee County
- Includes 25 Traffic Signals at interconnected intersections
- Will deploy connected vehicle applications, utilizing Cellular Vehicle to Everything (C-V2x) communication technology.
- Estimated start is Summer 2021
- Stakeholders: FDOT, Lee County, Lee County Sheriff's Office, LeeTran, Local Fire Rescue and Fort Myers Police

NO EXCUSES. NEVER DRIVE IMPAIRED.

**NEVER DRIVE
IMPAIRED**

FLHSMV





FDOT Modal Presentation

Assistant Secretary Brad Thoburn

Modal Development Overview

Presented to:

Florida Transportation Commission

March 18, 2021



Modal Development Office



Secretary
Kevin J. Thibault



Assistant Secretary,
Strategic Development
Brad Thoburn



Chief of Modal Development
Kenyatta Lee

The Modal Development Office will develop motor carrier, rail, transit, seaport, waterways, aviation and spaceport opportunities through program and project management in order to support FDOT's comprehensive multimodal transportation system.



Offices:

- Aviation
- Freight and Multimodal Operations
- Seaport
- Spaceport
- Public Transportation

Aviation Office

The Aviation Office will provide a safe and secure air transportation system that ensures the mobility of people and goods, enhances economic prosperity, and preserves the quality of our environment and communities.



State Aviation Manager
Aaron Smith

9 FTEs



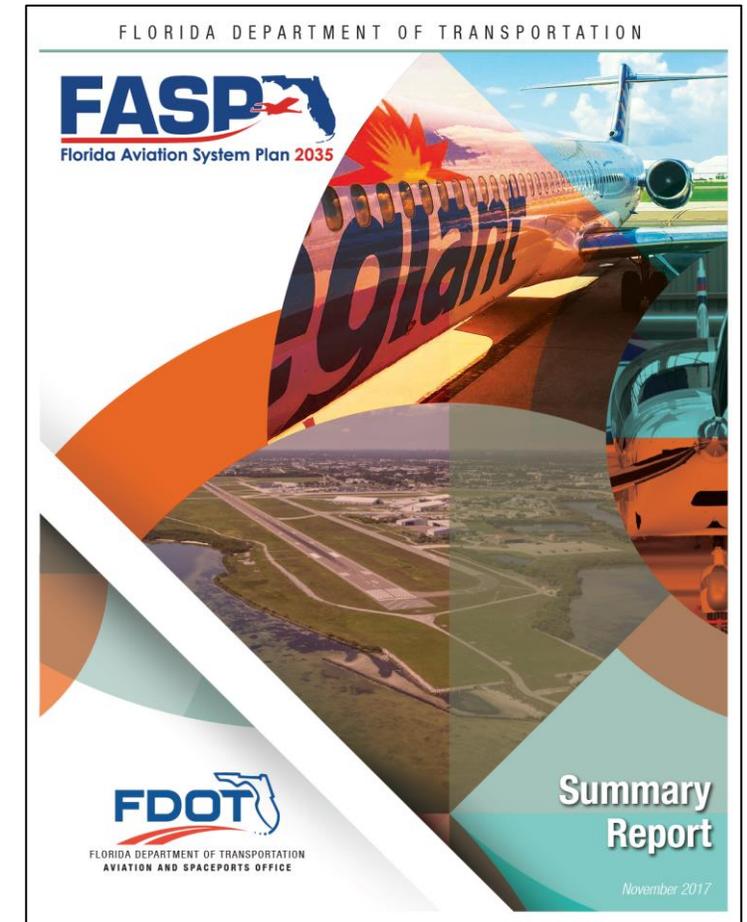
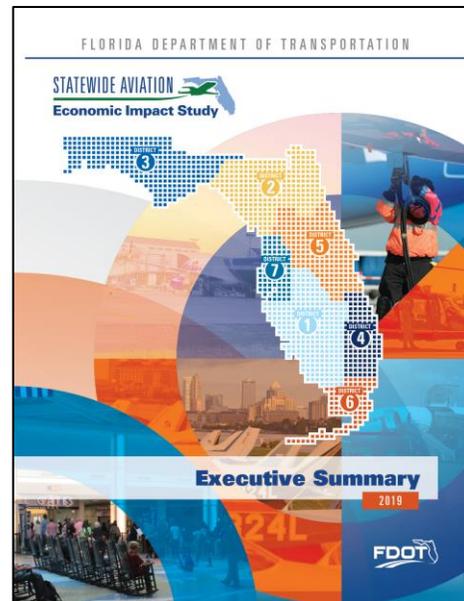
Fast Facts:

- 130 public use airports, including 20 commercial service airports
- 95M passenger boardings in 2019 - #2 in nation
- \$175B economic impact - 8.5% of Florida's gross state product
- 1.4M jobs - \$60B annual payroll



Aviation Office Core Functions

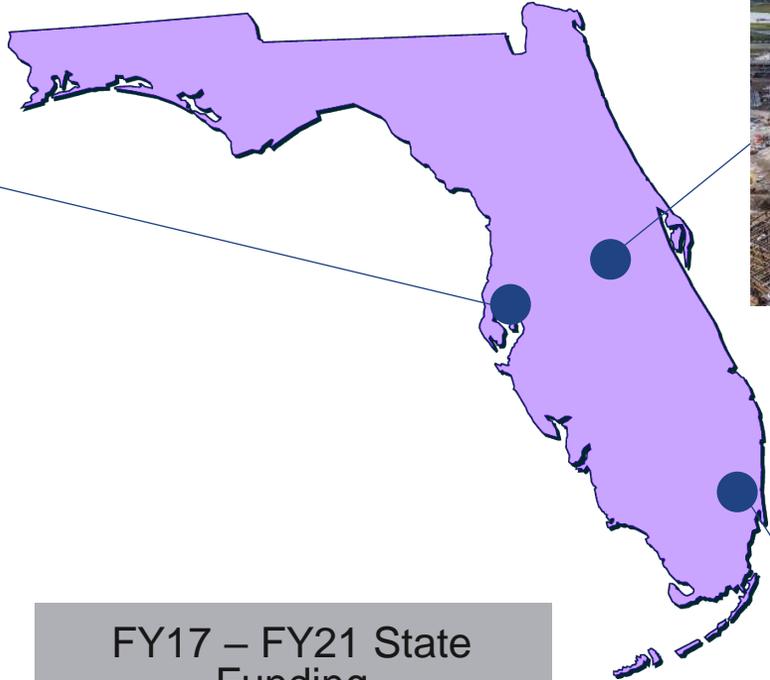
- Public Airport Site Approval, Inspection, and License
- Private Airport Site Approval and Registration
- Florida Aviation System Plan
- Pavement Management Program
- Airport Regulation
- Aviation Grant Program
- Airspace Obstruction Permits
- Airport Master Plan Review
- Airport Security Plan Approval
- Emergency Operations Support
- Statewide Project Management
- Technical Assistance



Aviation Office Investments



Tampa Gateway Center at Tampa International Airport
Total cost: \$388M
(50% state, 50% local)



FY17 – FY21 State Funding
\$1.19B



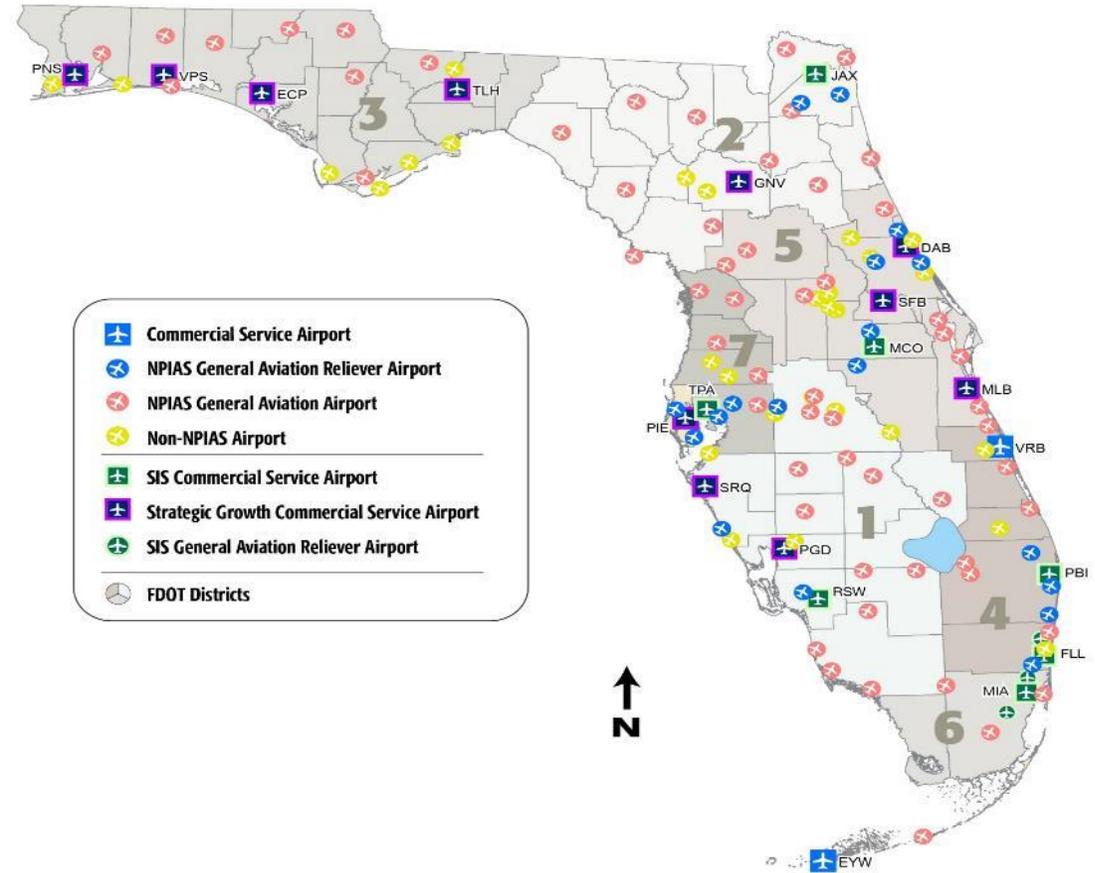
Orlando Int'l Airport South Terminal & Intermodal Complex
Total cost: \$514.5M
(50% state, 50% local)

Fort Lauderdale-Hollywood International Airport Runway 10R/29L
Total cost: \$505.6M
(State - \$127.8M, Local - \$127.8M, Federal - \$250M)



Aviation Office Partners

- Florida Airports
- Florida Airports Council
- Federal Aviation Administration



Freight and Multimodal Operations Office

The Freight and Multimodal Operations (FMO) Office enhances Florida's economy and communities. The FMO strategic focus is to achieve success through teamwork and efficiency by means of removing institutional, infrastructure and funding bottlenecks to build a well-connected, reliable and safe multimodal network.



Freight and Multimodal
Operations Manager
Rickey Fitzgerald

15 FTEs

Fast Facts:

- Multimodal freight system carried 855M tons of cargo valued at \$903B in 2018
- System supports \$1T state economy
- 80% tonnage moves on trucks
- 2,818 freight rail track miles
- \$58.5B economic impact of rail

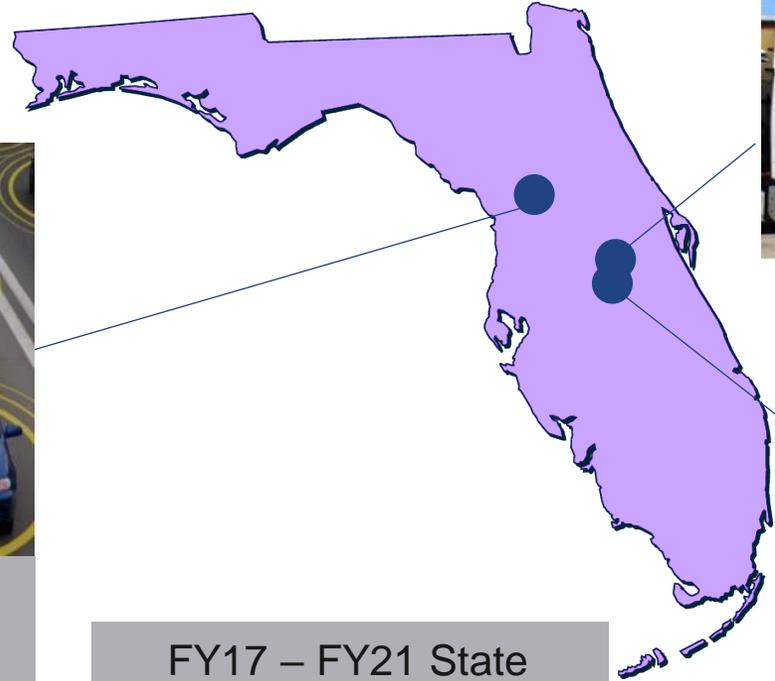


FMO Office Core Functions

- Freight Mobility and Trade Plan
- Motor Carrier System Plan
- National Highway Freight Program
- Rail System Plan
- Highway Grade Crossing Safety Action Plan
- Opening-Closure Program
- Rail Capacity Program
- Rail Safety Inspection Program
- Operation Lifesaver
- Operation STRIDE
- Florida Rail Enterprise Program
- Rail Highway Crossing Inventory



FMO Office Investments



I-75 Florida's Regional Advanced Mobility Elements

Total cost: \$10M

(State - \$2.3M, Federal - \$7.7M)

FY17 – FY21 State Rail Funding

\$885M



Truck Parking – Central Florida Corridor

Total cost: \$47.9M

(State - \$26.3M, Federal - \$21.6M)



SunRail Positive Train Control

Total cost: \$78M

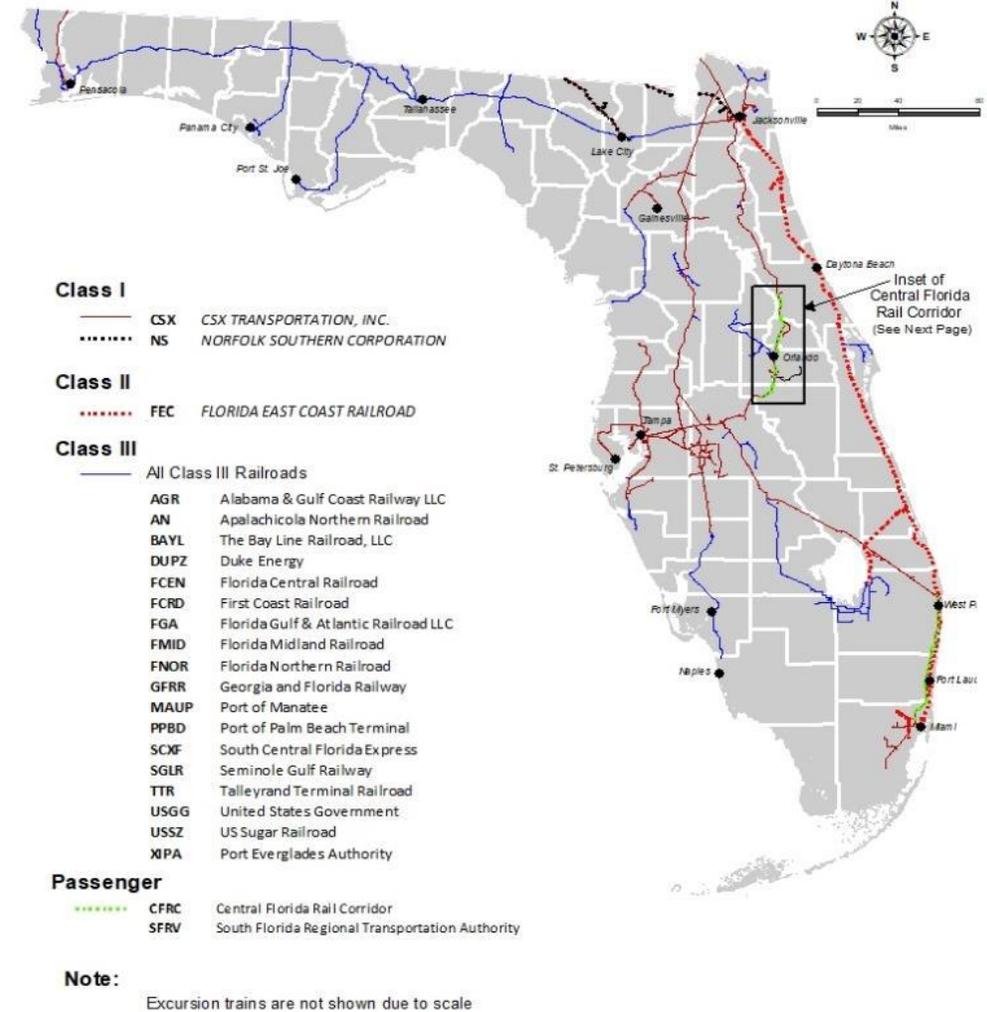
(State - \$61.8M, Federal - \$16.2M)

FY17 – FY21 National Highway Freight Program Funding

\$274M

FMO Office Partners

- Florida Railroads
- Florida Trucking Association
- Federal Highway Administration
- Federal Railroad Administration
- Florida Freight Advisory Committee



Seaport Office

The Seaport Office works with Florida's deep-water seaports to assist in planning and funding strategic seaport projects, as well as assisting with seaport-related issues. The Office is responsible for statewide seaport system planning, coordinating with statewide freight planning, project management, and coordinating seaport infrastructure projects with Florida's seaports.



Seaport Office Manager
Dan Fitz-Patrick

1 FTE



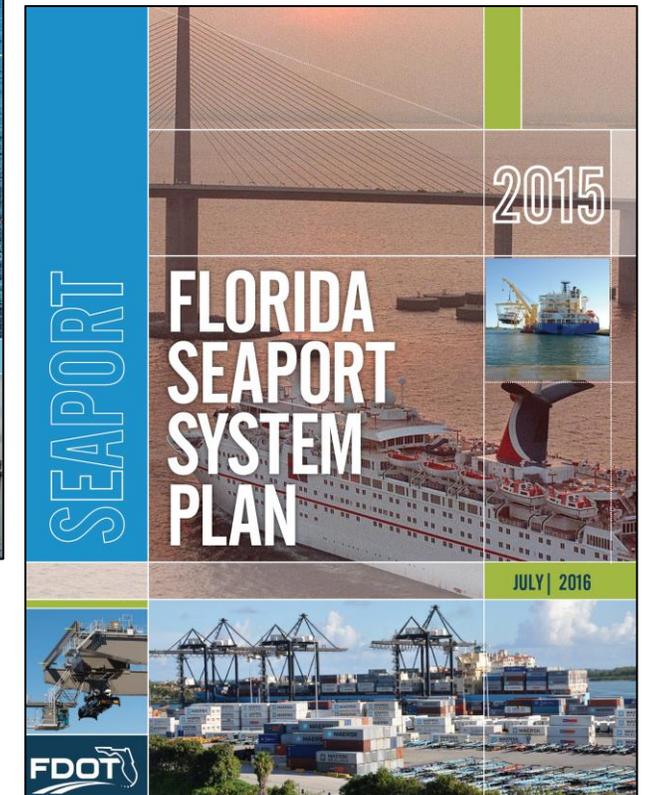
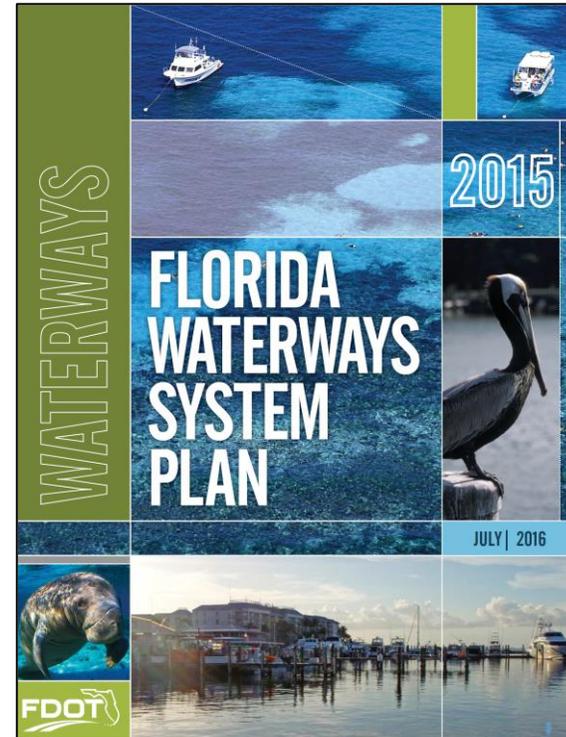
Fast Facts:

- 15 publicly-owned deep-water seaports
- Generate 900,000 jobs and contribute \$117.6B in economic value
- \$7 ROI for every \$1 of state investment
- 55.6% of Florida's international trade



Seaport Office Core Functions

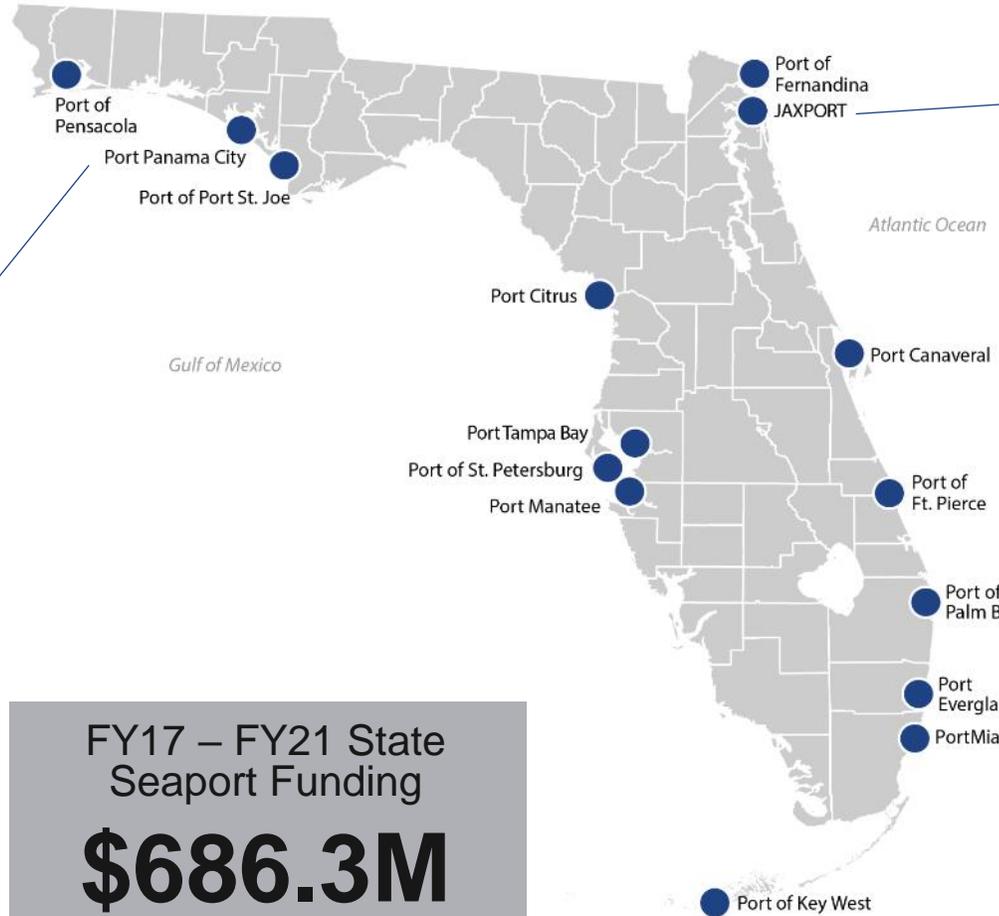
- Seaport Grant Programs and Initiatives
- Statewide Seaport and Waterways System Plan
- Access route integration with other transportation facilities
- Research studies



Seaport Office Investments and Partners



Panama City East Terminal Development



JAXPORT Channel Deepening & Widening



Port Everglades Southport Turning Notch Extension

Total Project Cost
Exceeds **\$1.37B**
over the last 5 years

FY17 – FY21 State
Seaport Funding
\$686.3M

Spaceport Office

The Spaceport Office will deploy the Department's work program to attract and support long-term commercial aerospace industry through the Spaceport Improvement Program, advance the Department's Mission & Vision and collaborate with Space Florida to make Florida the 'Place For Space.'



Spaceport Office Manager
Wayne Lambert

Core Function: Partner with Space Florida to allocate available funding



Fast Facts:

- #2 in the US for the number of aviation and aerospace establishments
- 17,144 aerospace related companies
- 130,000+ aerospace related employees



Spaceport Improvement Program FY12-20

37 Major Projects

2,000+ Direct Jobs

\$265M+ State

\$870M+ Private

\$1.1B+ Total



LC39A Commercial Heavy Lift Complex \$32M



LC41 Crew & Vulcan Upgrades \$17M



LC40 Launch Capacity \$20M



Comm. Crew & Cargo Processing Facility \$20M



New Commercial Power / Helium Pipeline Extension \$20M



Orbital Processing Facility 1 \$9M

Exploration Park \$10M

LC-46 \$5M

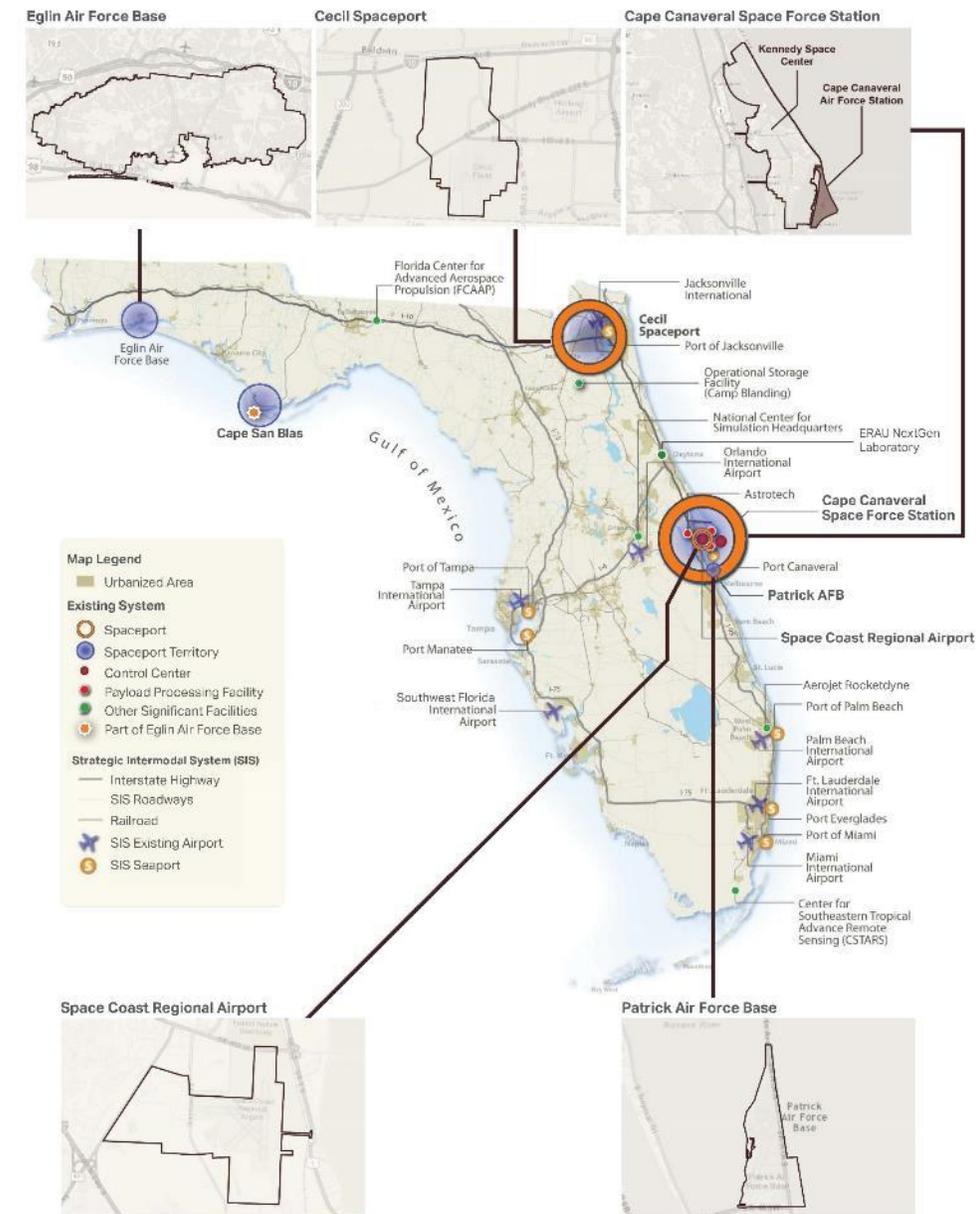


LC36 Commercial Orbital Launch Site \$43M



Spaceport Office Partners

- Space Florida
- Major commercial aerospace partners



Public Transportation Office

The Public Transportation Office is committed to proactively developing and delivering a public transportation system attuned to customer mobility needs in practical, yet innovative ways.



Public Transportation Manager
Elizabeth Stutts

8 FTEs



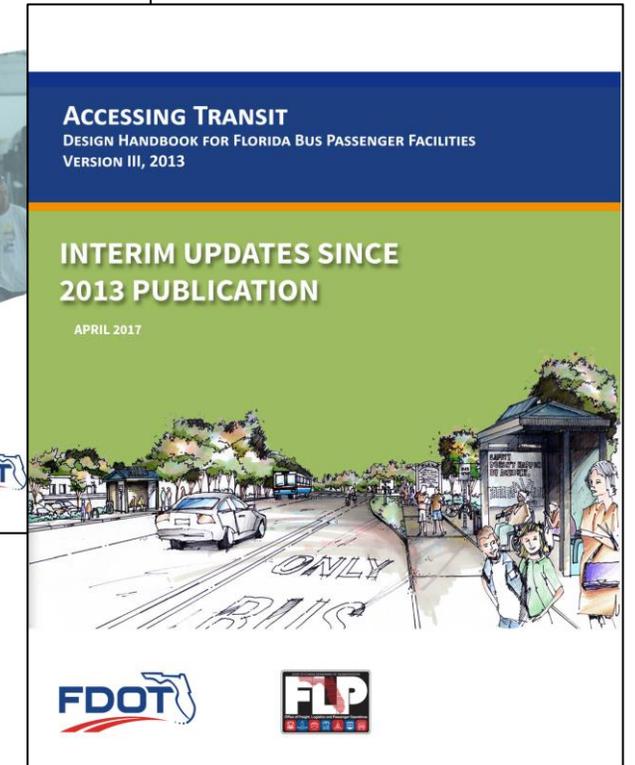
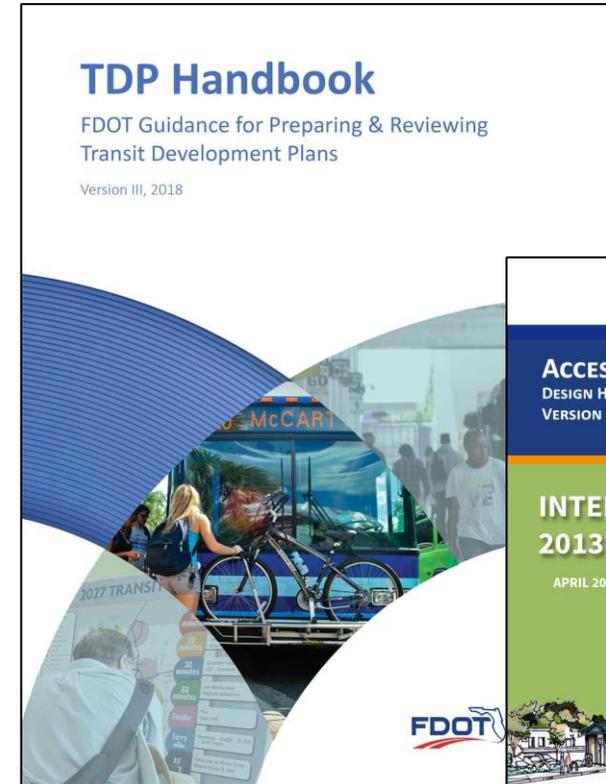
Fast Facts:

- 30 fixed route transit systems serve over 217M annual passenger trips
- Community Transportation Coordinators in 67 counties serve over 16M annual passenger trips
- 84% of state population live within urban transit service areas



PTO Core Functions

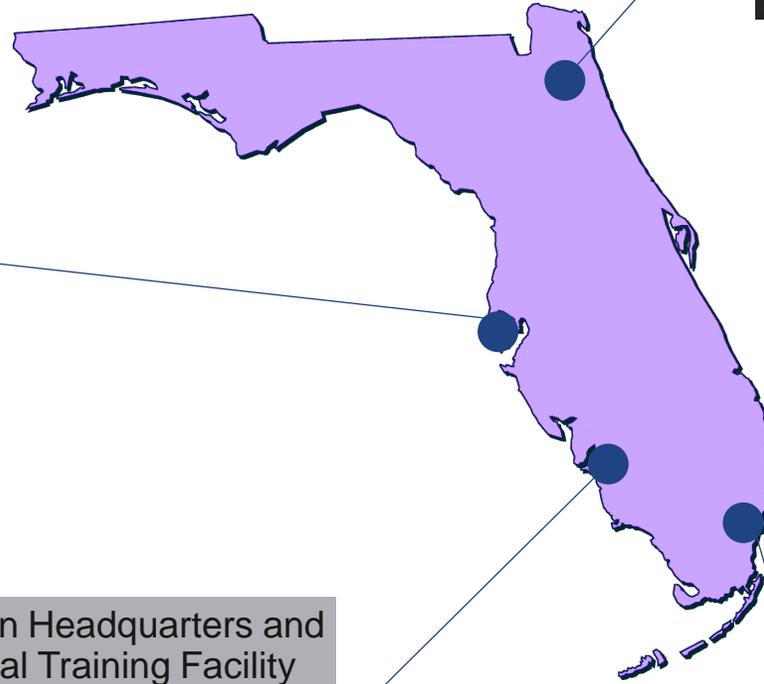
- Federal and state transit funding programs
- Vehicle, technology, and contract management
- State safety oversight program
- Training and technical resources
- Comprehensive planning and research



PTO Investments



U2C Innovation Corridor
Total cost: \$52M
(Federal – 50%, State – 25%, Local – 25%)



FY17 – FY21 State
Transit Funding
\$1.14B



SunRunner BRT – St. Pete
Total cost: \$46M
(Federal – \$22M, State – \$12M,
Local – \$12M)



LeeTran Headquarters and
Regional Training Facility
Total cost: \$25M
(Federal – \$20M, State –
\$2.5M, Local – \$2.5M)



South Corridor BRT – Miami
Total cost: \$299.9M
(Federal – \$99.9M, State –
\$100M, Local – \$100M)

PTO Partners

- Florida Transit Agencies – Fixed Route, Demand Response, and Fixed Guideway Systems
- Florida Public Transportation Association
- Commission for the Transportation Disadvantaged
- Florida Association of Coordinated Transportation Systems
- Association for Commuter Transportation
- Metropolitan Planning Organization Advisory Council
- Federal Transit Administration





OUR VALUES

One FDOT

We are one agency, one team.

INTEGRITY

We always do what is right.

RESPECT

We value diversity, talent and ideas.

COMMITMENT

We do what we say we are going to do.

TRUST

We are open and fair.

CUSTOMER DRIVEN

We listen to our customers.

OUR MISSION

The department will provide a safe transportation system that ensures the mobility of people and goods, enhances economic prosperity, and preserves the quality of our environment and communities.

OUR VISION

As one FDOT team, we serve the people of Florida by providing a transportation network that is well planned, supports economic growth, and has the goal of being congestion and fatality free.

VITAL FEW

- Improve Safety
- Enhance Mobility
- Inspire Innovation

Safety Message

March is
Florida Bicycle Month





Brad Thoburn

Assistant Secretary, Strategic Development

Florida Department of Transportation

605 Suwannee Street

Tallahassee, FL 32399

Phone: (850) 414-5211

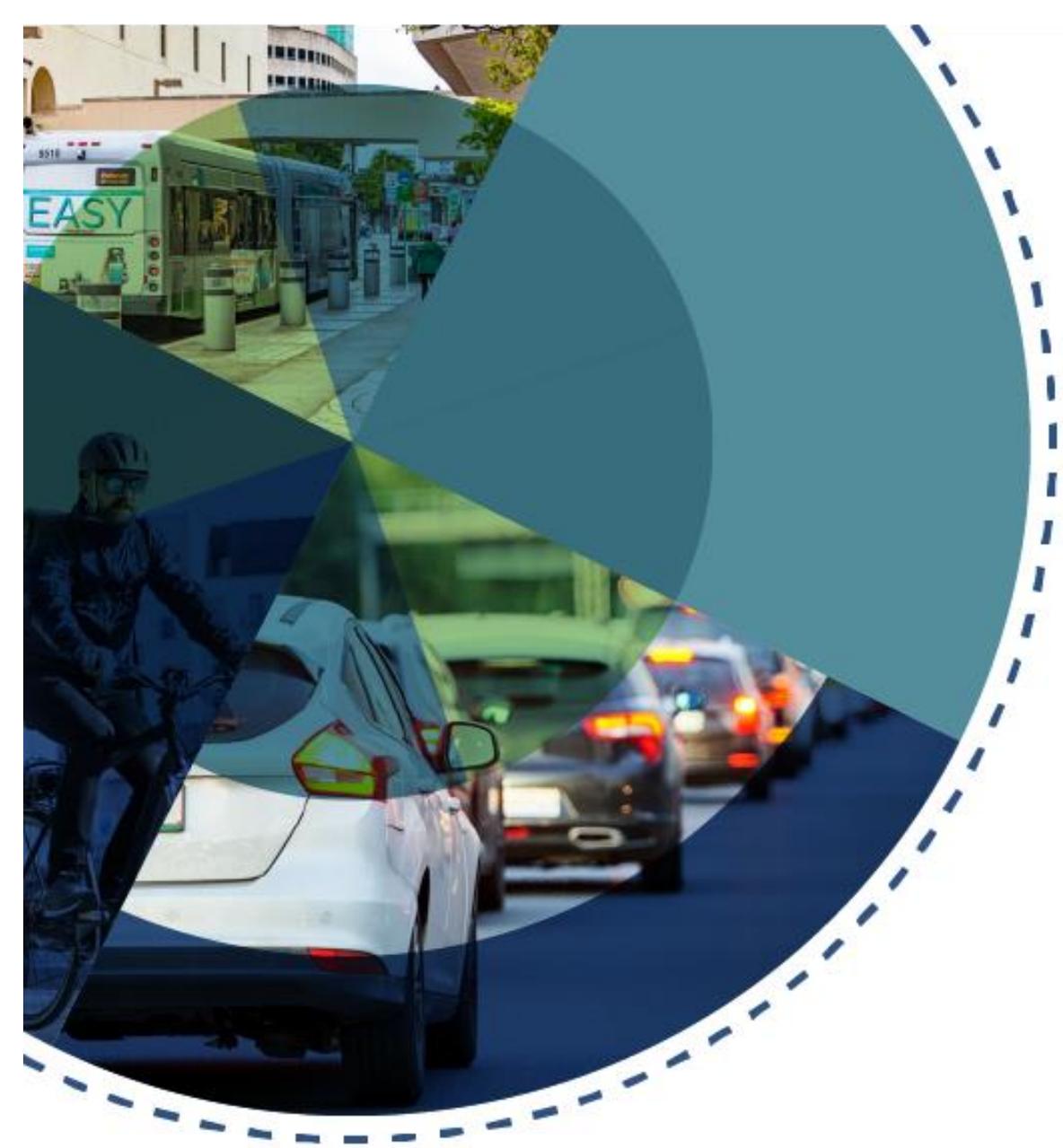
Email: Brad.Thoburn@dot.state.fl.us





Project Development Process

From concept to concrete



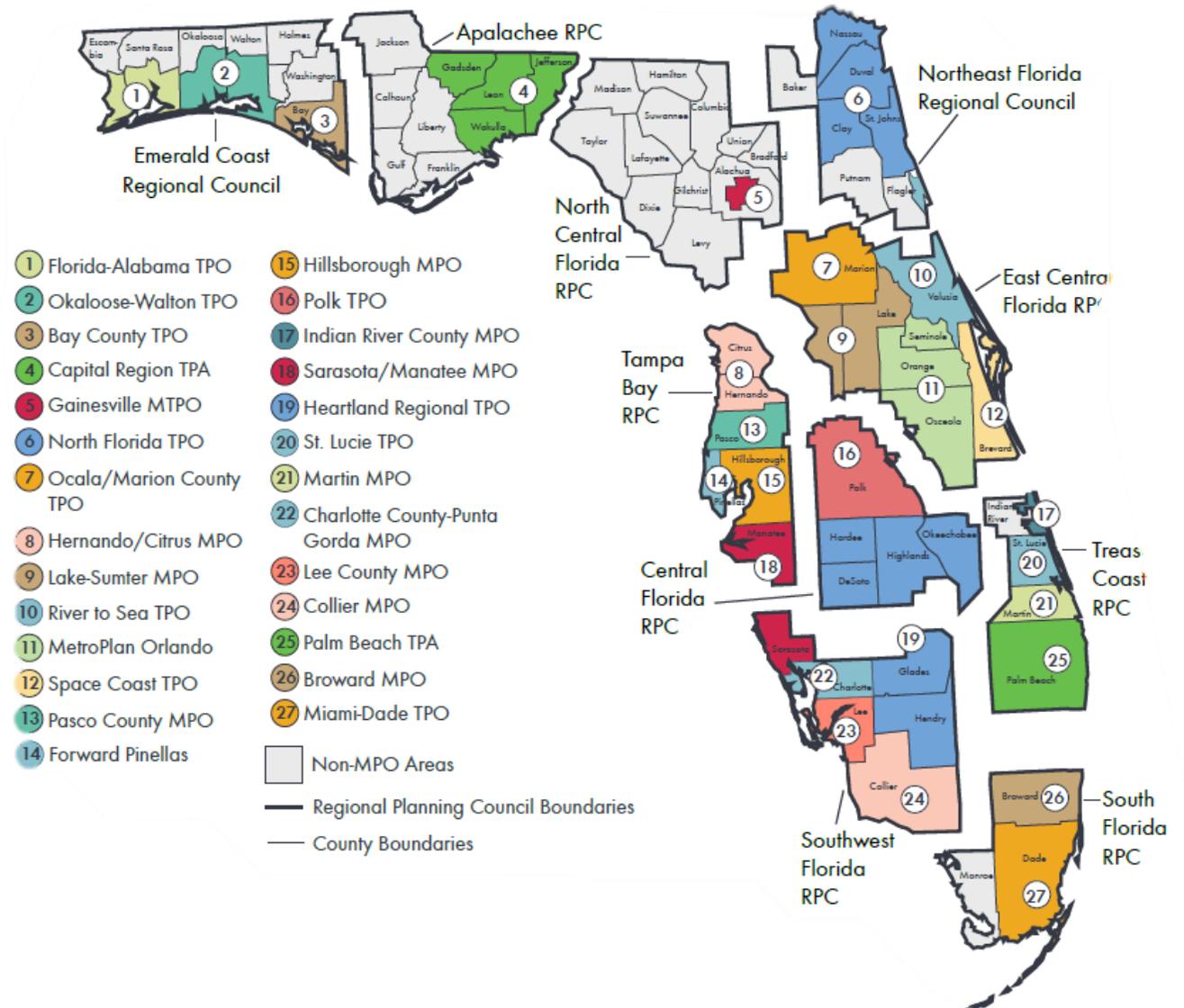
Project Development Process

From concept to concrete

TPO/MPO Roles in Transportation Planning

Local and Regional Agency Planning

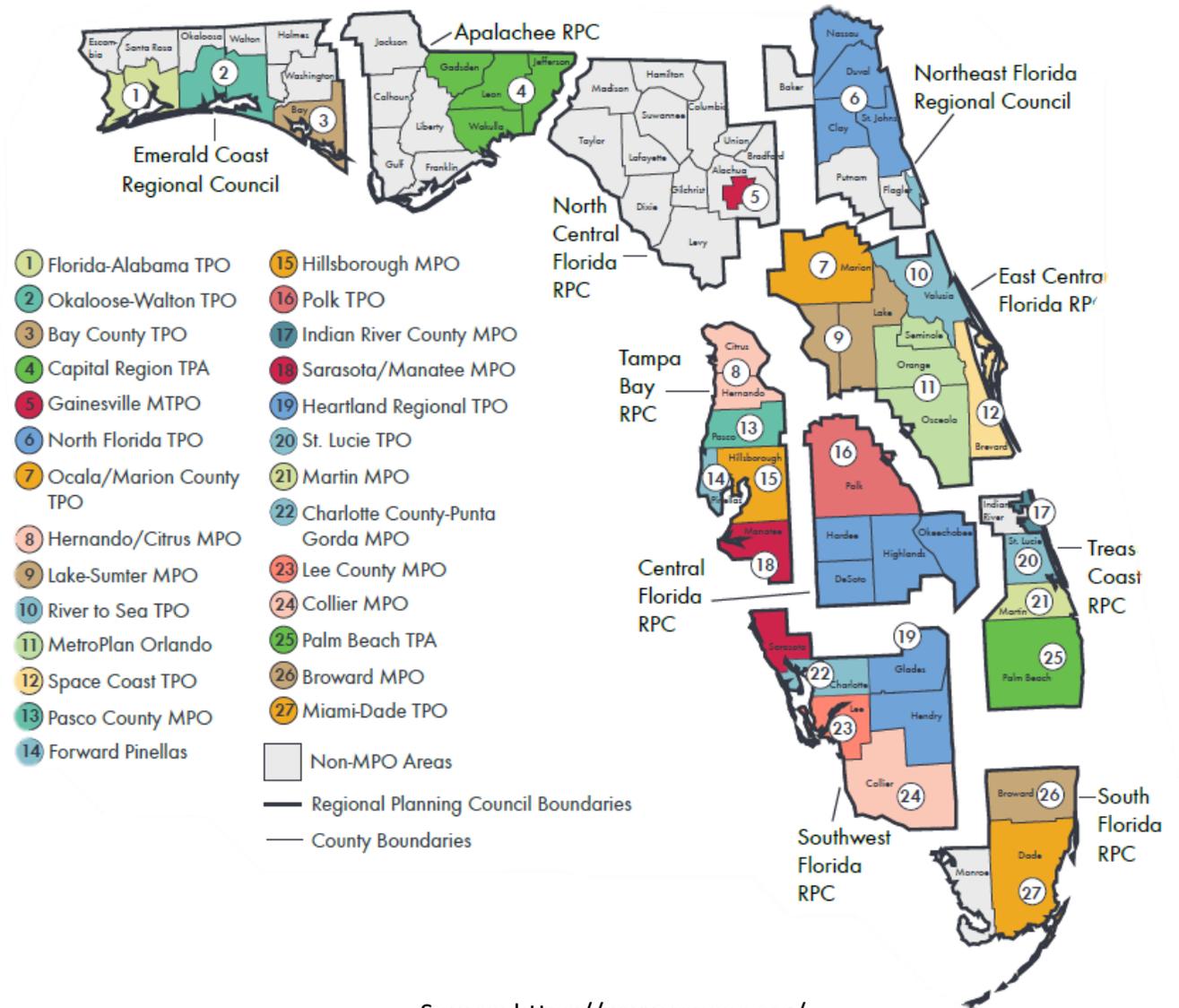
- Project Types
- Needs
- Priorities



TPO/MPO Roles in Transportation Planning

The Federal Highway Act of 1962 mandated metropolitan planning organizations (MPOs) for any urbanized area with at least 50,000 people.

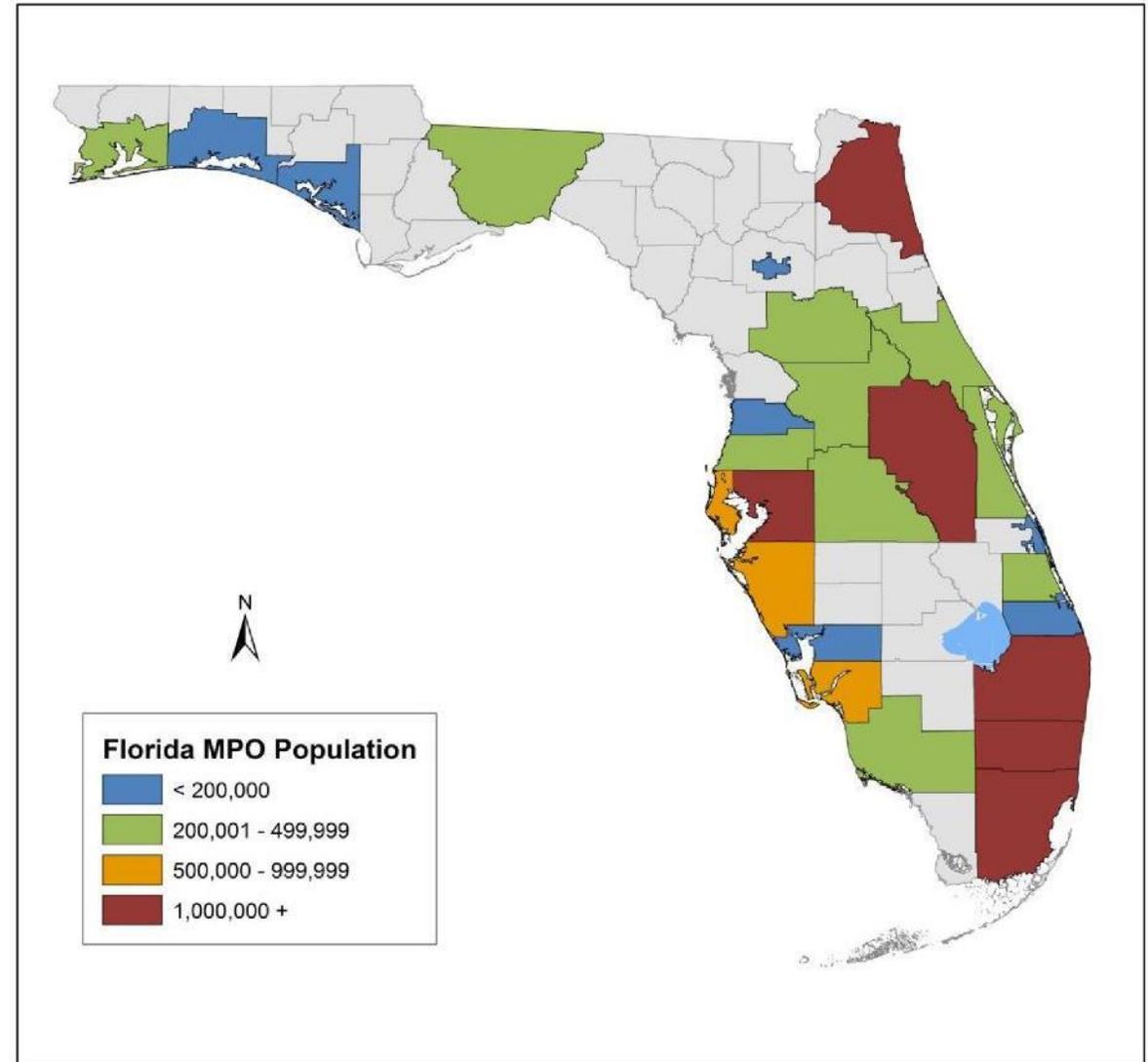
MPOs are required to maintain long-range planning documents (Long-Range Transportation Plan, or LRTP).



TPO/MPO Roles in Transportation Planning

Florida's TPOs/MPOs serve a wide range of population sizes with the smallest TPO/MPO serving a population of 110,000 people to the largest TPO/MPO serving an area of just over 2.5 million people

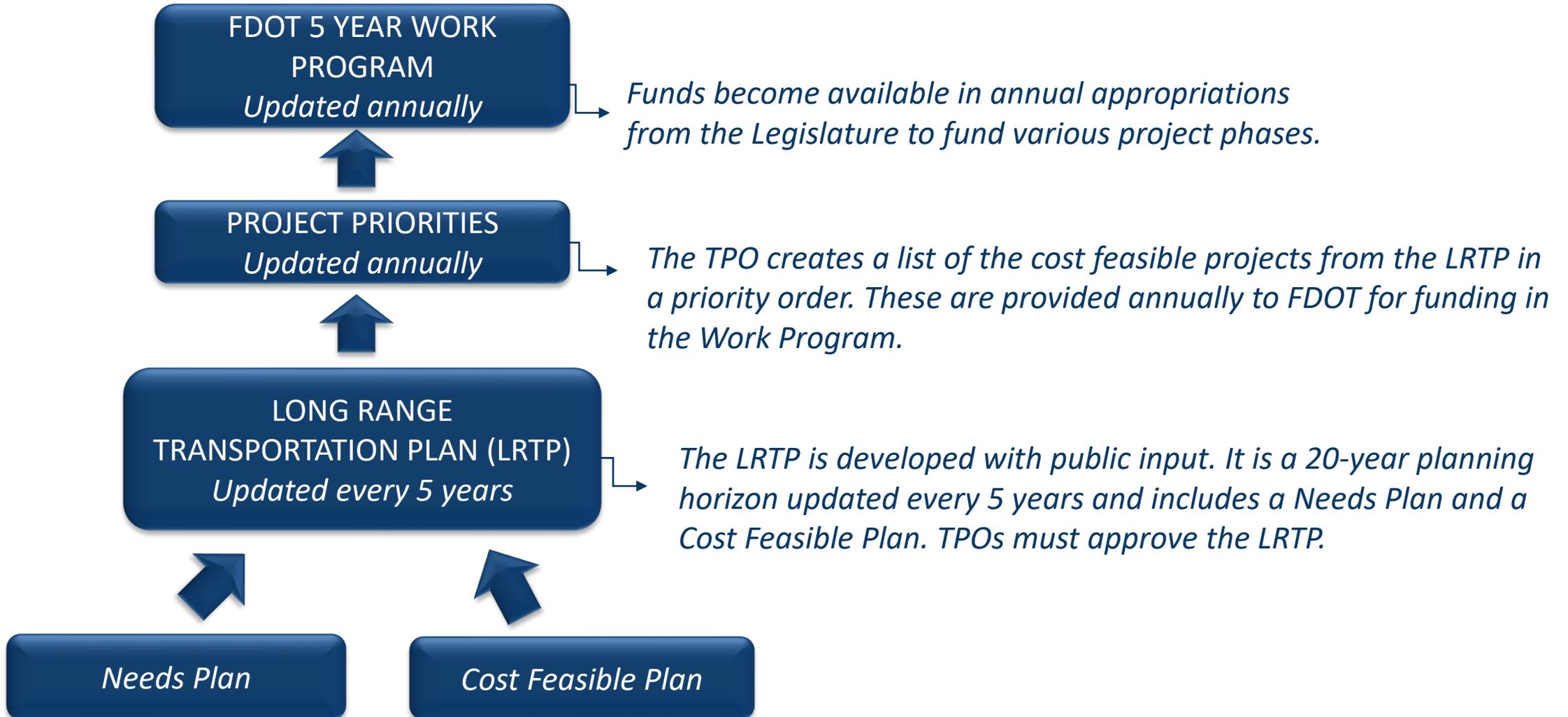
The most common TPO/MPO size is in the band of 200,000 – 500,000 people. Nearly one-quarter (23 percent) of TPOs/MPOs in Florida serve a population of over 1 million people while just over one-quarter (27 percent) of TPOs/MPOs serve a population of below 200,000 people.



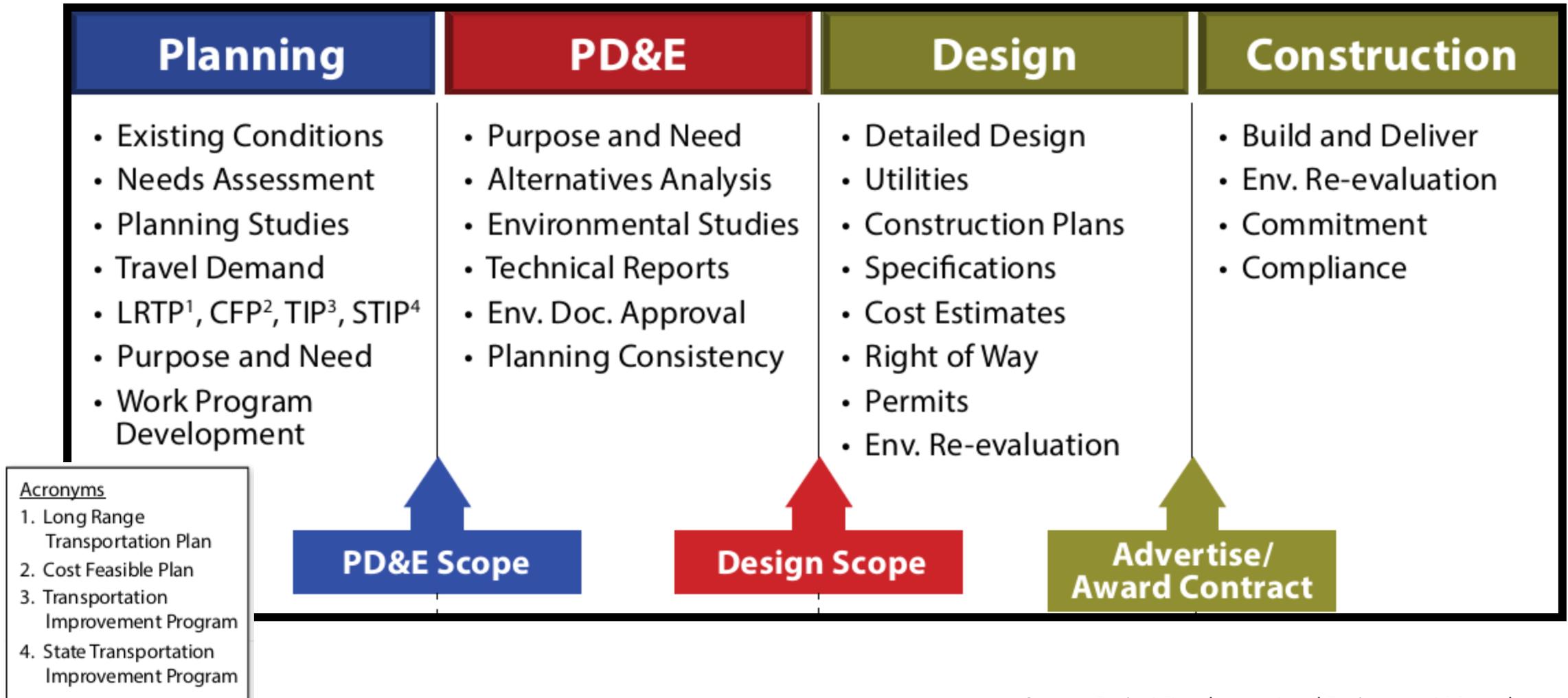
Source: <https://www.mpoac.org/>

Transportation Planning and Programming

How Do I...Get a Project into FDOT's 5 Year Work Program?



Project Life Cycle



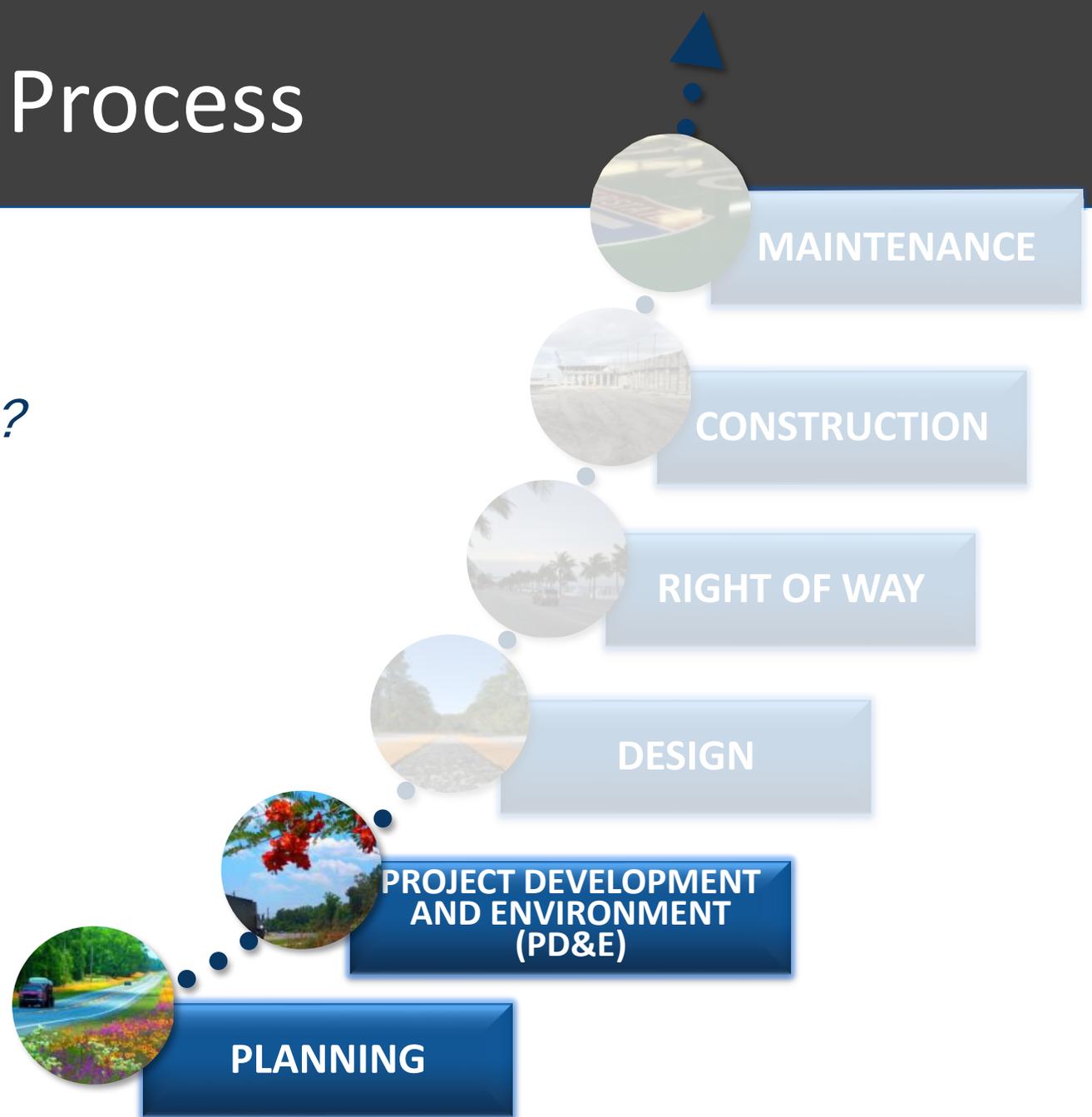
Project Development Process

What is...

FDOT's Transportation Process?

**Approximately 8 years
from start to finish*

- *Complex*
- *Competitive*
- *Comprehensive*



Planning and PD&E

Planning

- Identify Needs and Deficiencies
- Identify Fatal Flaws
- Develop Scope for PD&E
- Identify Funding Source

Project Development and Environment (PD&E)

- Purpose and Need
- Agency Coordination
- Natural, Physical, Cultural and Community Effects
- Alternatives Analysis
- Commitment Development
- Public Involvement
- Location and Design Concept Acceptance



Design and Right of Way

Design

- Survey
- Determination of ROW Requirements
- Railroad and Utility Coordination
- Permitting
- Commitments
- Plans and Specifications Development
- Cost Estimates
- Plans, Specifications, and Estimate Package

Right of Way

- Acquisition of Real Property, Donations, etc.
- Relocation Assistance
- Demolition
- Asbestos Abatement Activities



CCNA – What Does It Mean?

What does CCNA mean?

- Consultants' Competitive Negotiation Act

What does QBS mean?

- Qualifications-based selection of professional services

To Whom Does CCNA Apply?

to professional services provided by:

- **Engineers**
- **Surveyors**
- **Architects**
- **Landscape Architects**

§287.055(2)(g), Fla. Stat. (2020)

CCNA for Procurement

Who must use CCNA for procurement?

- All Government Agencies, including City, County and State governmental agencies, political subdivisions and school boards and school districts

Why use CCNA for procurement?

- It's the LAW since 1973...
- Encourages technological innovation
- The Owner is not limited to the low bidder*

* §287.055(4)(b), Fla. Stat. (2010); §287.055(5)(a), Fla. Stat. (2010).

Why Select Based on Qualifications?

- Each project requires a unique approach
- Selecting the design professional with the appropriate knowledge, skill, reputation, past performance and technical competence assures a successful quality project

Quality-Based Selection (QBS): The Process

Selecting a Design Firm*:

- An owner identifies the general scope of work and develops a selection schedule.
- The owner issues a request for qualifications.
- The owner evaluates statements of qualifications.
- The owner determines a short-list of qualified firms to interview.
- The owner conducts interviews and ranks the firms.

* 40 U.S.C.A. §1103 (West 2010).

Quality-Based Selection (QBS): The Process

Negotiating a Contract*:

- The owner invites the top-ranked firm to assist in defining a detailed scope of work.
- The design firm develops and submits to the owner a detailed fee proposal, based on the agreed upon scope of work.
- If the proposed fee is not acceptable, the owner and designer work to modify the scope, schedule and budget to determine if an agreement on fee can be achieved.

* 40 U.S.C.A. §1104 (West 2010).

Pluses and Minuses of CCNA

Open Discussion by Commissioners

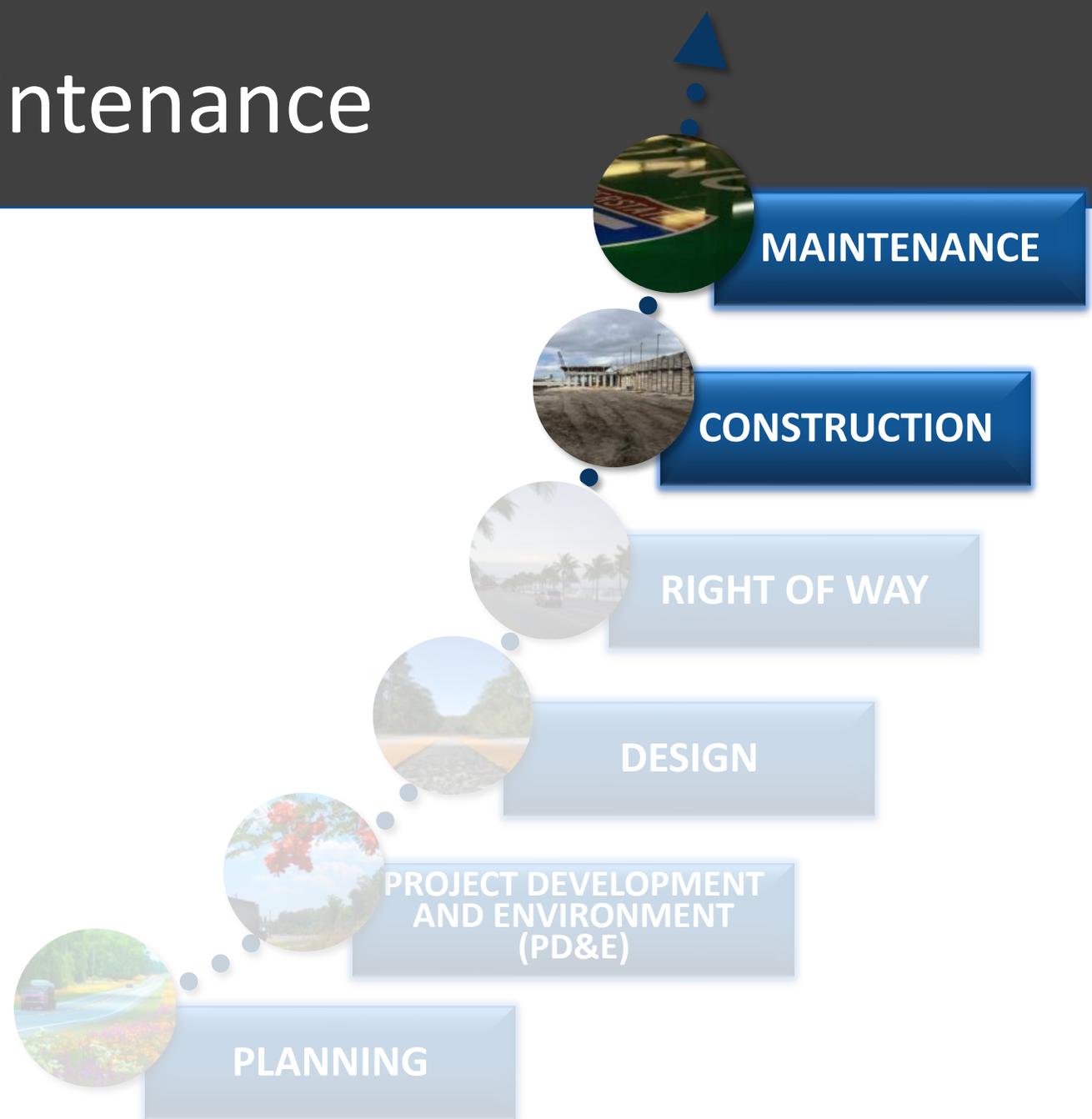
Construction and Maintenance

Construction – future meeting

- Post Design
- Inspection and Monitoring
- Build and Deliver

Maintenance – future meeting

- Roadway
- Roadside
- Traffic Assets
- Drainage Features
- Vegetation



Project Development Process

FDOT's Transportation Process?

**Approximately 8 years
from start to finish*

- *Complex*
- *Competitive*
- *Comprehensive*





New Business

Chairman Ron Howse



Executive Director Update

Ralph Yoder



Other items of FTC business/discussion

FTC Commissioners

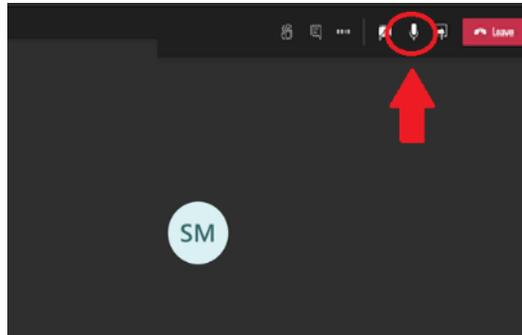


Upcoming meetings

Ralph Yoder

Public Comments

This is a public meeting. Please unmute yourself to comment.



If you joined via TEAMS

OR

*6 to unmute from
your phone



If you called in



ADJOURN

Chairman Ron Howse