

FTP Implementation Committee Meeting #6

Webinar

presented to

FTP Implementation
Committee

November 9, 2022

FLORIDA
Transportation Plan

Your Florida. Your vision. Your plan.



Welcome and Introductions

Hide Everyone

Click Here to Change Who/What You See On The Screen

Click Here to Open the Chat Window

Type Your Questions and Comments Here

Click Here to Change Who Your Comment Can Be Viewed By

Click Here to Share Your Webcam

Click Here to Mute Yourself

Mic  Camera  Screen  Leave 

CHAT

Enter your message

Send to: Everyone

SEND

Today's Agenda

Committee Introductions and Partner Updates

Updates

- SIS policy
- EV charging
- Federal grant information sessions and grant process
- Highway Safety Plan

Discussion

- Carbon Reduction Strategy
- Resilience Action Plan





Committee Introductions and Partner Updates



STRATEGIC INTERMODAL SYSTEM

Policy Plan



SIS Policy Plan Implementation

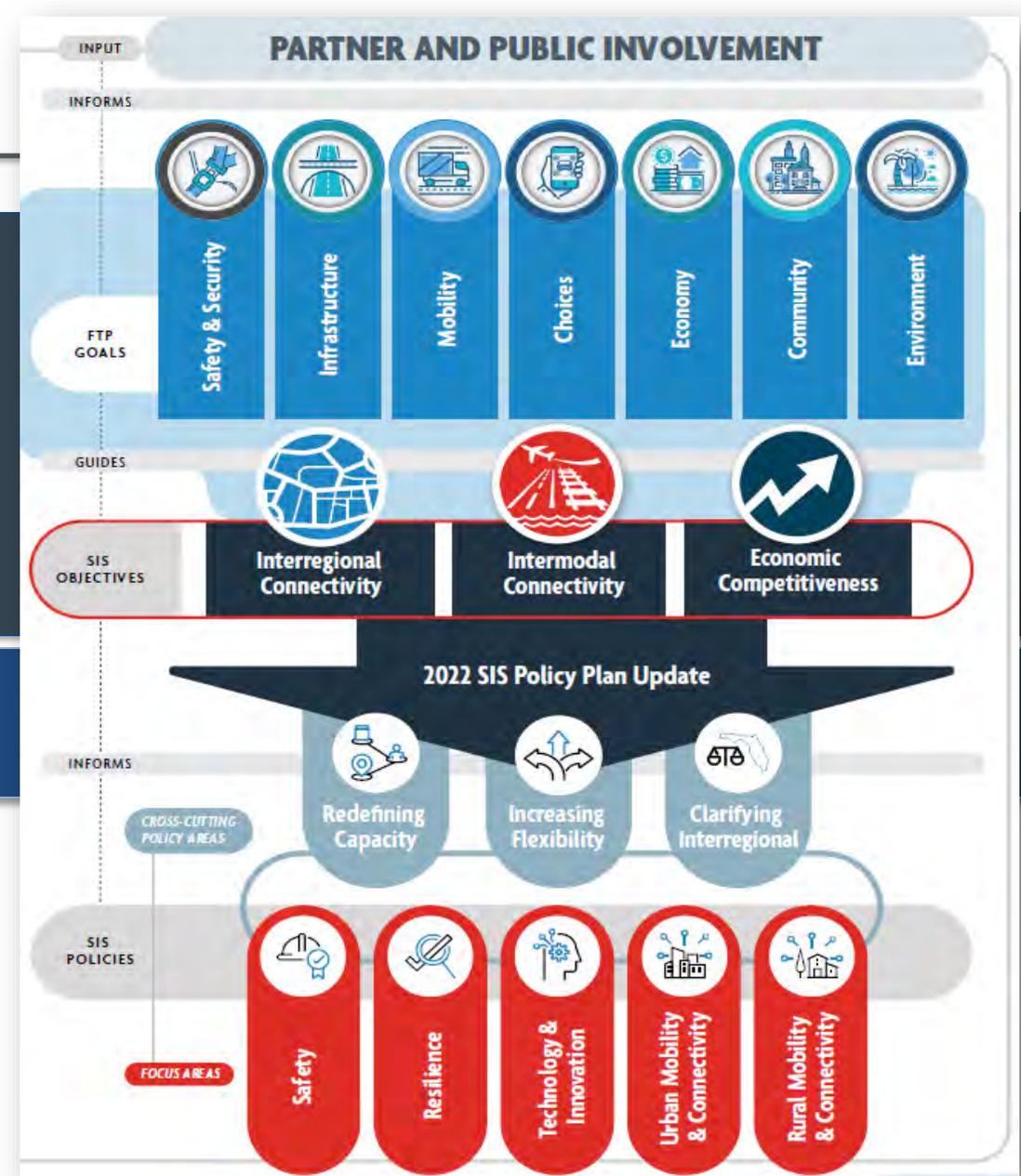


March 2022

fdot.gov

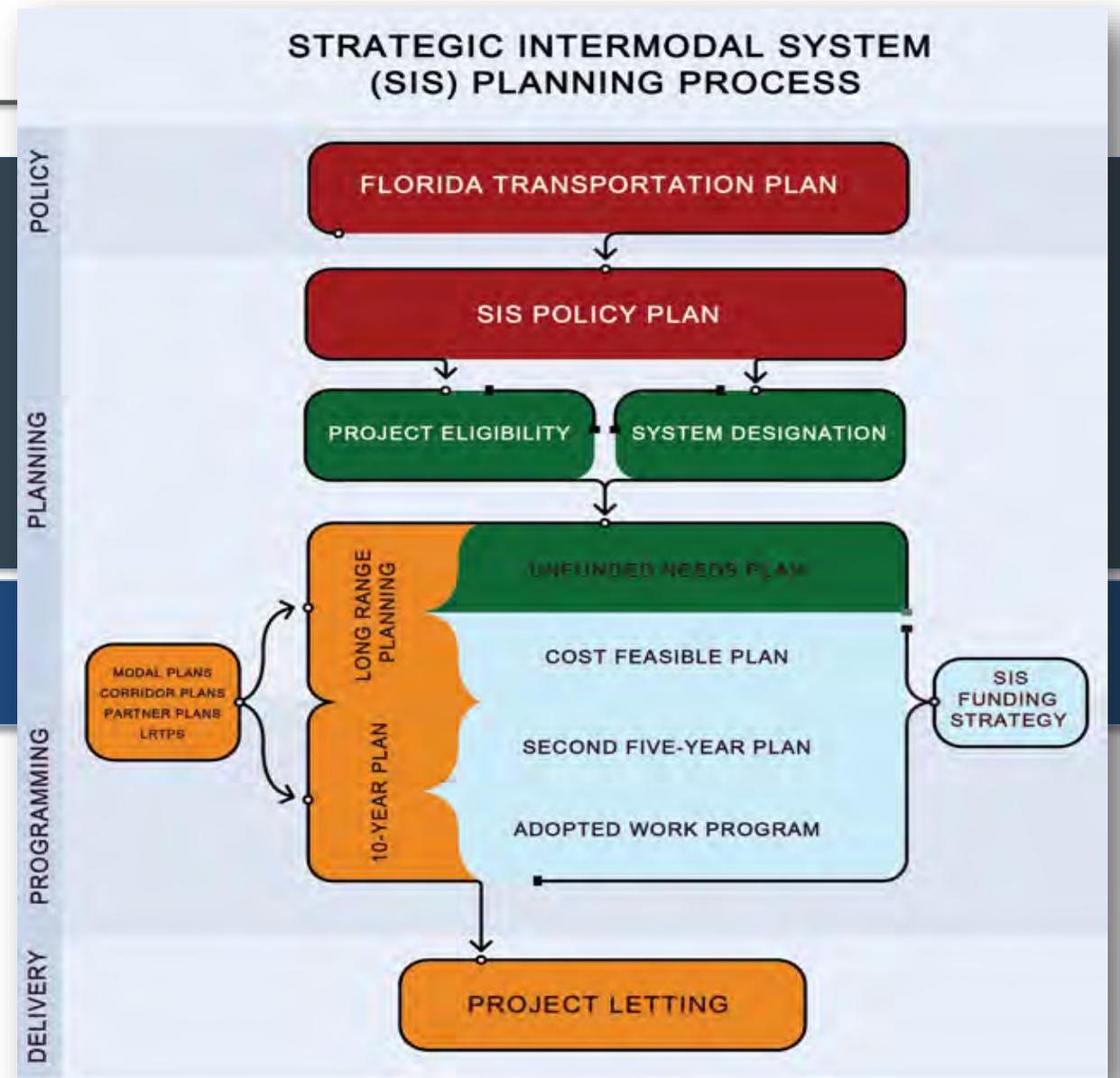
SIS Policy Plan Implementation

Policy Framework



SIS Policy Plan Implementation

Planning Process



SIS Policy Plan Implementation | Key Action Items



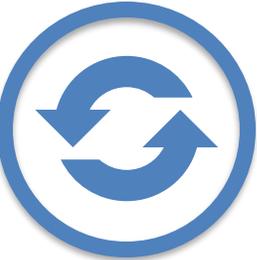
Evaluate policy changes and further determine how they impact the SIS



Update FDOT procedures, handbooks, other guidance documents, maps, lists, brochures, and other public information materials related to the SIS

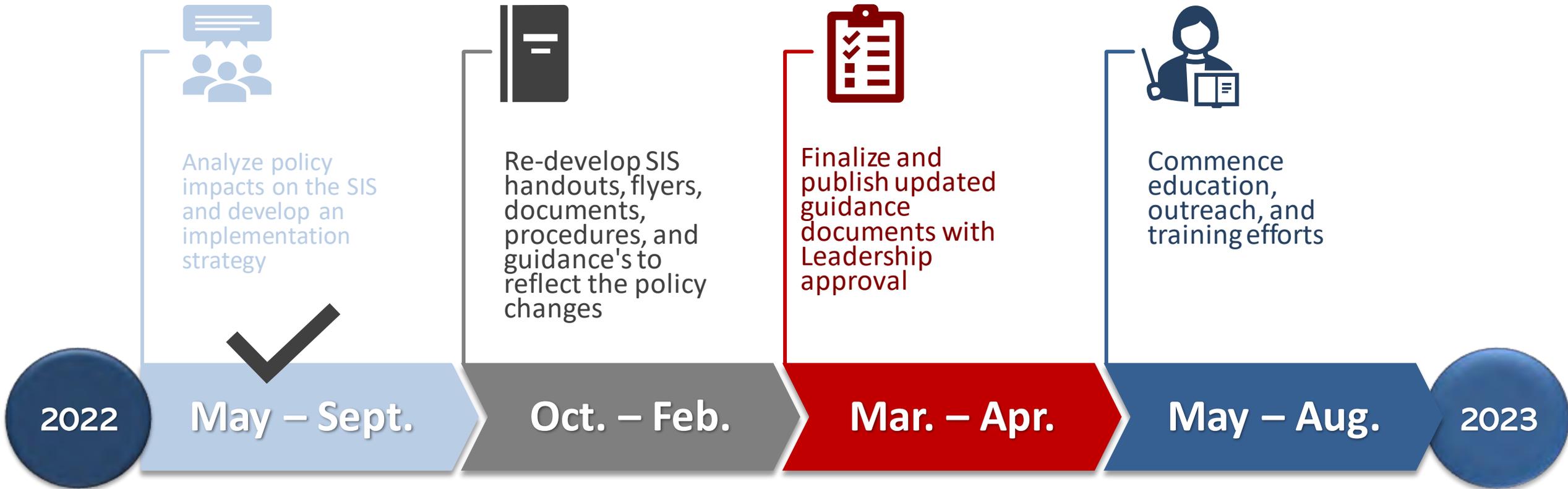


Provide training as needed for FDOT staff and transportation partners to implement new policies



Monitor the outcomes of implementation efforts and evaluate the effects of policy changes on the SIS

SIS Policy Plan Implementation | Timeline



**Timeline is subject to change*



SIS Policy Pilot Study



Purpose



Establish criteria and process for funding off-SIS projects through the SIS program.

Off-SIS Eligibility Criteria

Eligible Facilities: Projects **must** be on an eligible facility. Criteria for eligibility is determined by functional classification of the facility **and** traffic volumes such as existing annual average daily traffic (AADTs) and annual average daily truck traffic (AADTTs).

Eligible Project Types: Any project **supporting SIS facilities** that are ready for **construction** or **design-build** involving at least two elements **and** meets all evaluation criteria requirements.



Off-SIS Evaluation Criteria

Evaluation Criteria: Projects must meet specific criteria related to throughput on the project facility and trip reduction on the adjacent SIS facility or facilities by demonstrating...



An increase of person or truck throughput on the off-SIS facility by a minimum of 6%

AND



A reduction of trips on at least one adjacent SIS facility by a minimum of 5% or 5,000 vehicular trips

Project Selection Criteria

Projects will be evaluated following existing SIS project selection consideration factors.

Particular attention will be given to

- *District priority ranking,*
- *Projects enhancing modal choice,*
- *Projects with a community-centric focus, and*
- *Projects that diversify SIS funding and improvement types.*





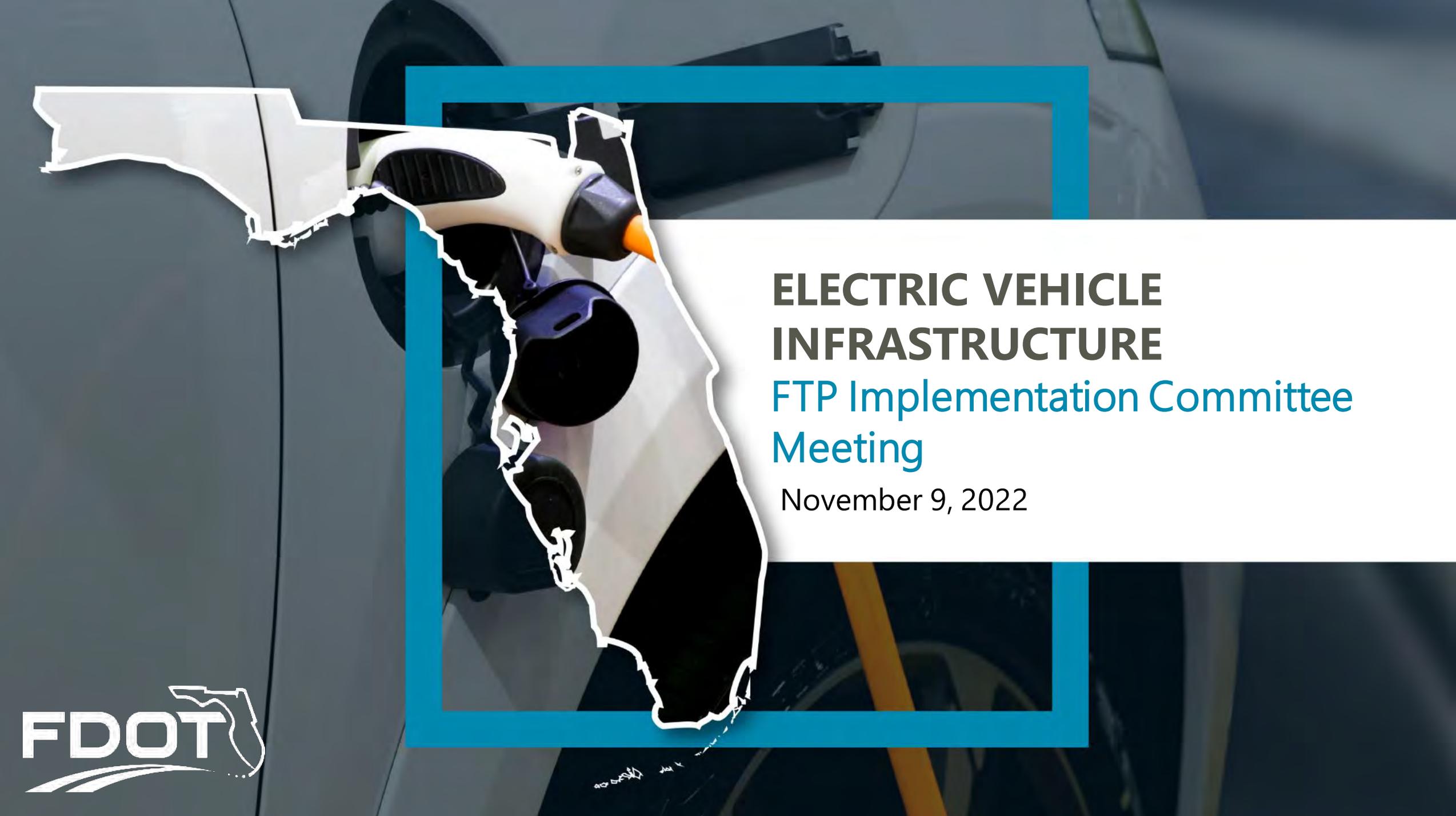
Chris Edmonston

Systems Implementation Office
605 Suwannee Street, MS 19
Tallahassee, FL 32399

Chris.Edmonston@dot.state.fl.us
www.fdot.gov/planning/sis

850.414.4813



The background of the slide is a close-up photograph of an electric vehicle charging station. A white charging cable with a black handle and a blue and orange connector is plugged into the station. A white outline of the state of Florida is superimposed over the image, with the charging station and cable appearing to be inside the state's borders. A thick blue rectangular frame surrounds the central image area.

ELECTRIC VEHICLE INFRASTRUCTURE

FTP Implementation Committee Meeting

November 9, 2022

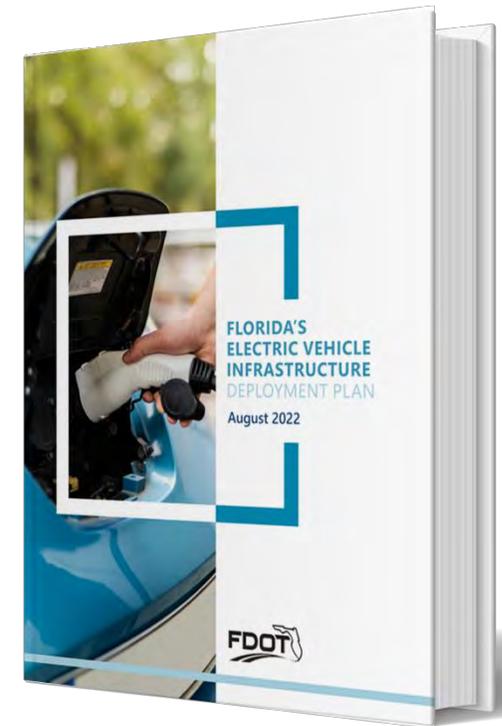
EV Infrastructure in Florida



- ▶ Develop alternative fuel infrastructure
- ▶ Expand statewide access to emerging mobility solutions through EV charging stations
- ▶ Deploy surface transportation infrastructure to support EV charging

#2  **Second in the NATION** for EV adoption. *2021: 0.41% of registered vehicles in Florida (66,685 vehicles)*

Has the second highest  **amount of DCFC** in the nation. 



Funding for Electric Vehicle Infrastructure in the BIL

Formula Program

- ▶ National EV Infrastructure Program
- ▶ \$5 billion to state DOTs over 5 years
- ▶ \$198 million to Florida (\$29 million in FY22)

Discretionary Grant Program

- ▶ \$1.25 billion
- ▶ MPOs, local governments, & Tribes

EV infrastructure must be on the Alternative Fuel Corridor network.

Alternative Fuel Corridors



Over 4,000 miles
(58% increase)



6,168 total miles



Opportunities for
FL Communities

Interested Parties

- **Utilities**

- Duke, FPL, Seminole, OUC and others

- **Retailers**

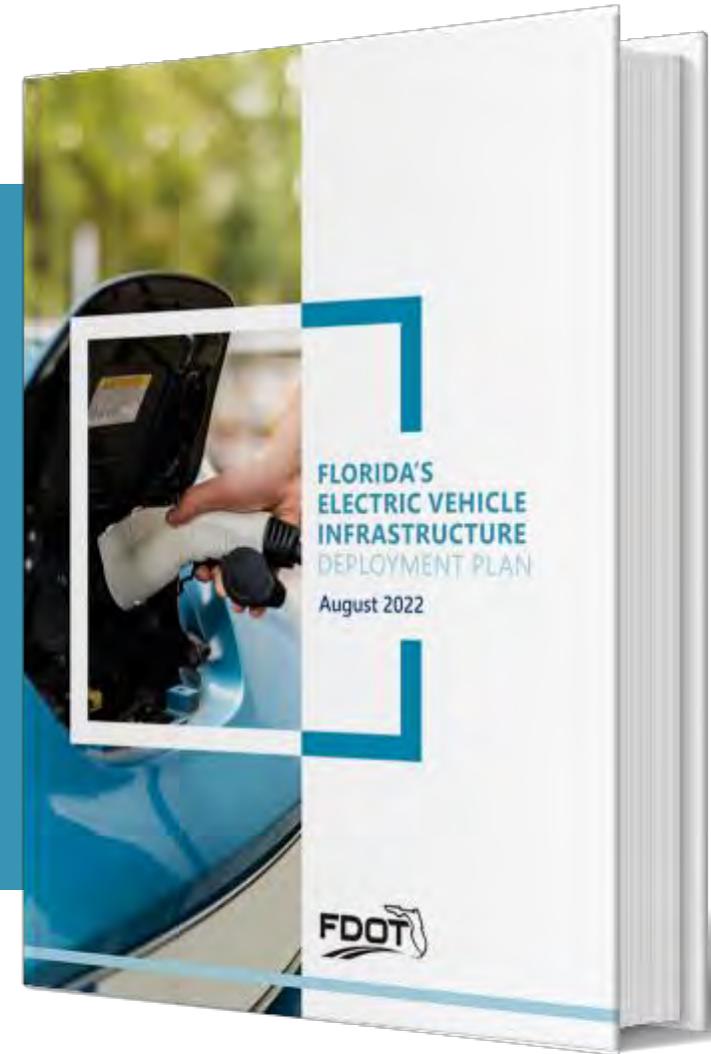
- Wal-Mart, 7-Eleven, Busy Bee, RaceTrac

- **EV Infrastructure Providers**

- Electrify America, EVGo, ChargePoint, Blink

Florida's EV Deployment Plan

- Requirement to access NEVI funds
- Framework for implementation
- Supports charging in rural and underserved areas
- Supports emergency evacuations and resiliency
- Submitted on August 1



Community and Stakeholder Engagement

3

STATEWIDE
virtual meetings
with over
325 attendees

8

Regional
listening
sessions

20

FEDERAL,
State, and local
government
agencies

OVER

30

STAKEHOLDER
meetings

OVER

180

Public
Comments

Goals for Florida's Plan

Expand energy sources for transportation fuels.

Position Florida as a national leader in EV infrastructure implementation.

Support emergency evacuation.

Expand EV charging access to all users in Florida.

Enhance Florida's overall transportation system, including roadways within rural and urban disadvantaged communities.

Anticipate changes in travel choices and transportation technologies towards EV adoption.



Looking Ahead

Industry Forum

November 18



Competitive Solicitation



Complete Interstate Network



Stay Aware. Stay Alert.



April Combs

Statewide Planning Coordinator

Phone: 850-414-4817

Email: April.Combs@dot.state.fl.us



Federal Discretionary Grants Update

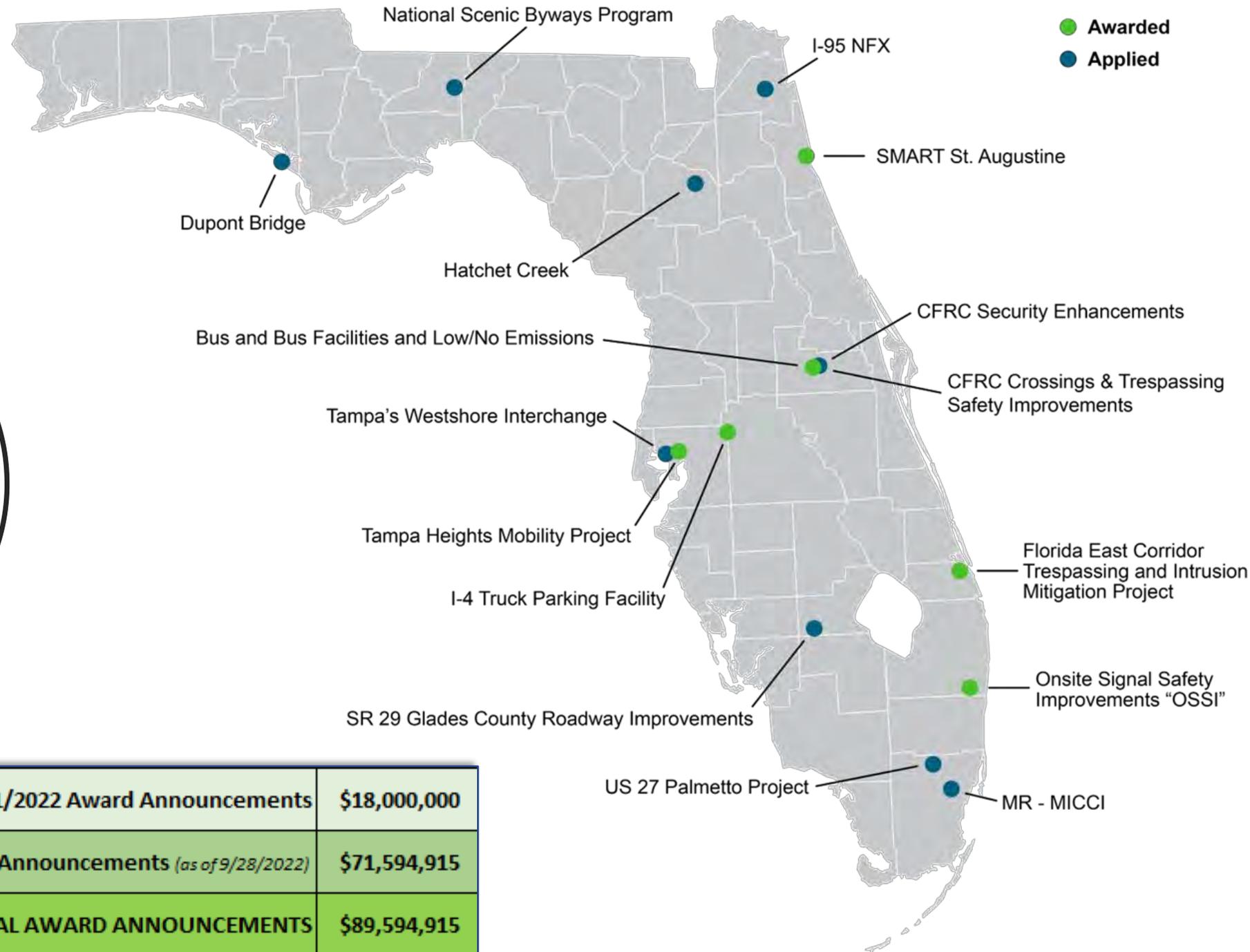


November 9, 2022



Strategic
development

FDOT Grant Applications



State FY 2021/2022 Award Announcements	\$18,000,000
State FY 2022/2023 Award Announcements <i>(as of 9/28/2022)</i>	\$71,594,915
TOTAL AWARD ANNOUNCEMENTS	\$89,594,915

RAISE Awards

East Coast Corridor Trespassing and Intrusion Mitigation Project

- Award Amount: \$24,938,138
- District 4

Smart St. Augustine

- Award Amount: \$12,263,159
- District 2



Recent Awards

West Central Florida I-4 Truck Parking Facility

- INFRA Award: \$15,000,000
- District 7

Onsite Signal Safety Improvements “OSSSI”

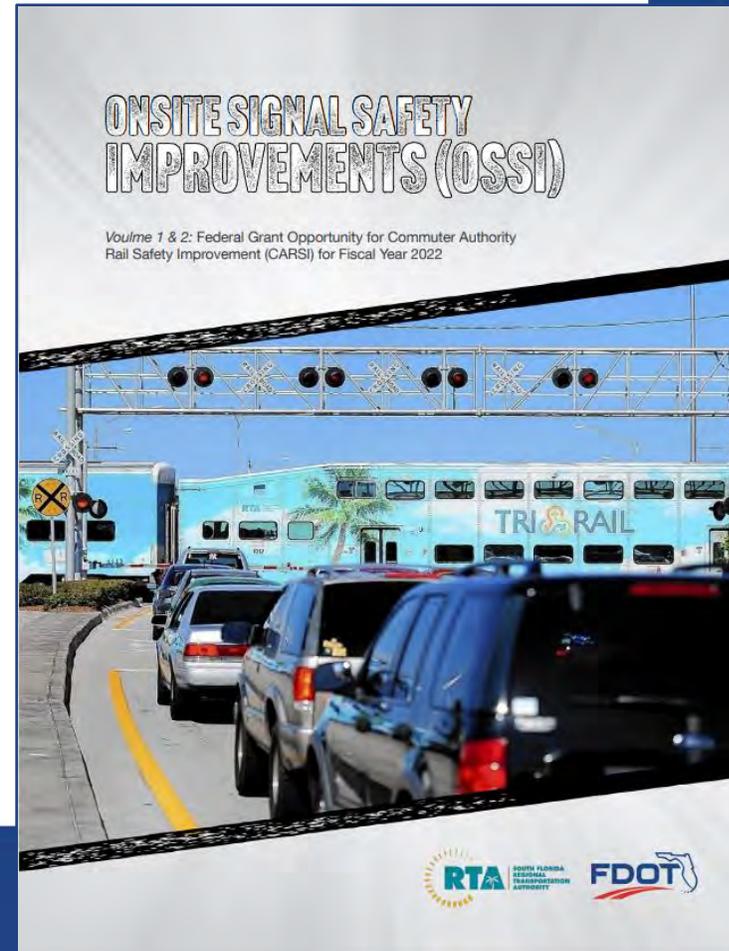
- CARSI Award: \$12,919,248
- District 4

West Central Florida I-4 Truck Parking Facility

Florida Department of Transportation, District 7

23, 2022

INFRASTRUCTURE FOR REBUILDING AMERICA (INFRA) PROGRAM FY 2022 APPLICATION





Proactive Approach

- Maximize Federal discretionary funds for Florida
- Support local governments and partners
- Discuss project partnerships now
- Support project diversity
- Find creative match solutions





Grant Information Sessions Recap

Locations to Date

- 250 attendees + 500 on webinar

 Tampa  Chipley  Orlando

Top Questions Received

- What are the match requirements?
- What is the benefit of using LAP?
- What is planning consistency?

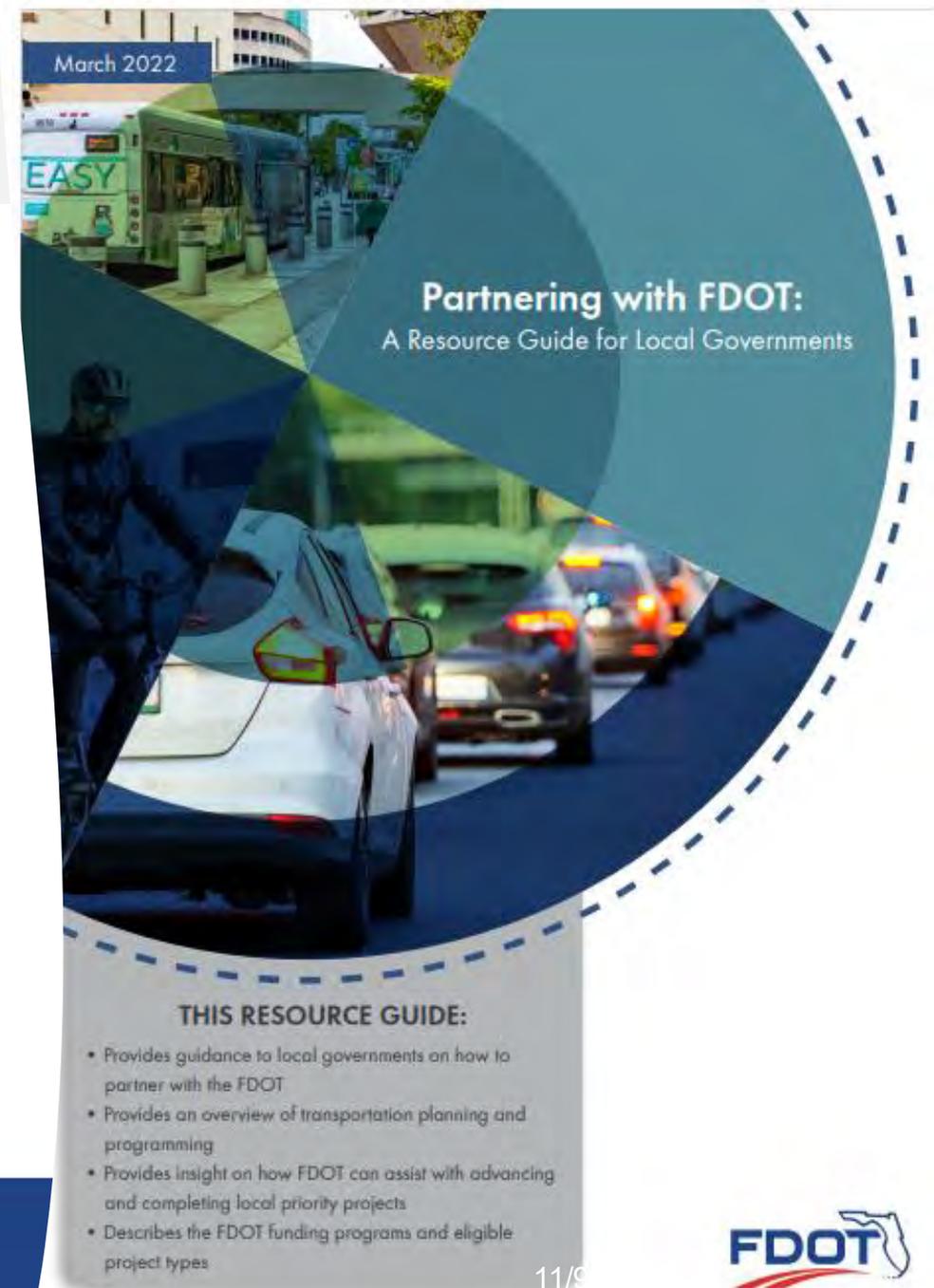
Sessions Coming Soon

- 📍 Bartow – January 18
- 📍 Destin – January 24
- 📍 Jacksonville – January 26
- 📍 Miami – February 15
- 📍 Fort Lauderdale – February 16



Find Matching Funds

- Identify partners that can potentially provide match
- Funds must be state or local
- Think outside of the box



March 2022

Partnering with FDOT:
A Resource Guide for Local Governments

THIS RESOURCE GUIDE:

- Provides guidance to local governments on how to partner with the FDOT
- Provides an overview of transportation planning and programming
- Provides insight on how FDOT can assist with advancing and completing local priority projects
- Describes the FDOT funding programs and eligible project types

11/9





NEPA Considerations for Federal Transportation Grants to Local Agencies

WHO WILL TAKE THE LEAD?



FHWA will approve NEPA documents for local agencies who receive grant funds directly from the federal government (no involvement with FDOT)

FDOT will approve NEPA documents for local agencies who are co-applicants with FDOT or who have a LAP Agreement with FDOT for the project



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

April 14, 2022

Hydi Webb
Port Director & CEO
PortMiami
1015 North America Way,
Miami, Florida 33132

RE: Rebuilding American Infrastructure with Sustainability and Equity (RAISE) Grant, FY 2022
PortMiami Net Zero Program: Cargo Supply Chain Master Plan Project

Dear Mrs. Webb:

This letter confirms the Florida Department of Transportation and Miami Dade County have previously executed a contract to provide funding for PortMiami's Upland Cargo Improvements. The project programming is included in a prior Transportation Improvement Program/State Transportation Improvement Program.

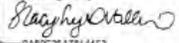
FPID 440616-1-94-02

- Contract Executed in State Fiscal Year 2020/2021
- Contract Expiration: June 30, 2026
 - State Funds: \$18,340,024
 - Local Funds: \$18,340,024

Please note only work started after execution of a contract amendment would be eligible for federal reimbursement if PortMiami is successful with their application.

Once completed, this capital investment in surface transportation will improve the safety, environmental sustainability, quality of life, economic competitiveness, and efficiency of the movement of goods in the Southeast.

Sincerely,

DocuSigned by:

0A8DF25A78144F3
Stacy L. Miller, P.E.
District Six Secretary

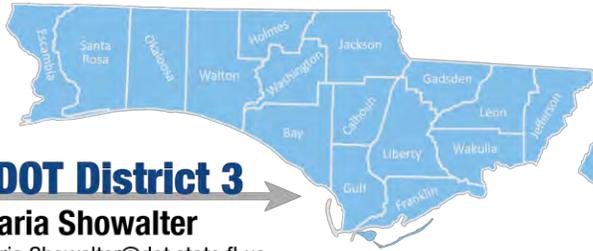
Letters of Consistency

- Issued by FDOT for local projects
- Projects consistent with Work Program or Florida Transportation Plan
- Coordinate through local District
- Reach out early in application development process

FDOT District 3

Maria Showalter

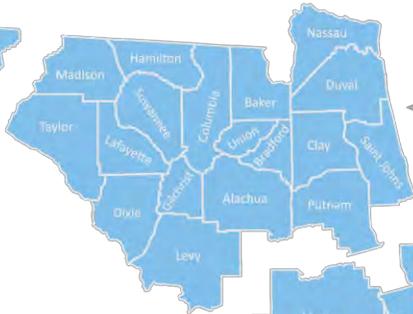
Maria.Showalter@dot.state.fl.us



FDOT District 2

James Driggers

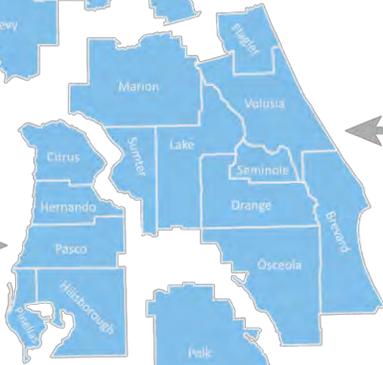
James.Driggersjr@dot.state.fl.us



FDOT District 5

Melissa McKinney

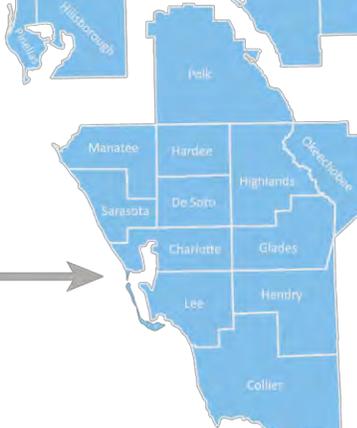
Melissa.McKinney@dot.state.fl.us



FDOT District 7

Brian Hunter

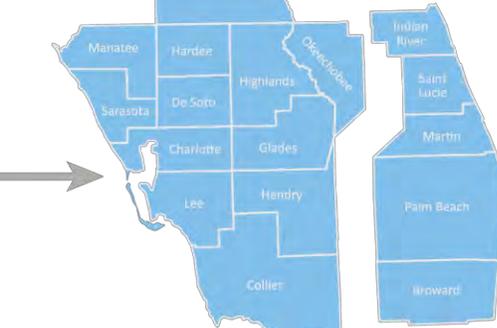
Brian.Hunter@dot.state.fl.us



FDOT District 1

Katherine Chinault

Katherine.Chinault@dot.state.fl.us



FDOT District 4

Carlos Castro

Carlos.Castro@dot.state.fl.us

FDOT District 6

Daniel Lameck

Daniel.Lameck@dot.state.fl.us



Grant Coordinators

Questions

HIGHWAY SAFETY PLAN

presented to

*FTP Implementation
Committee*

presented by

*Lora Hollingsworth
Chief Safety Officer*

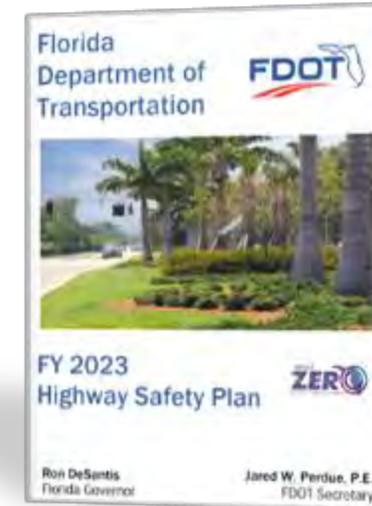
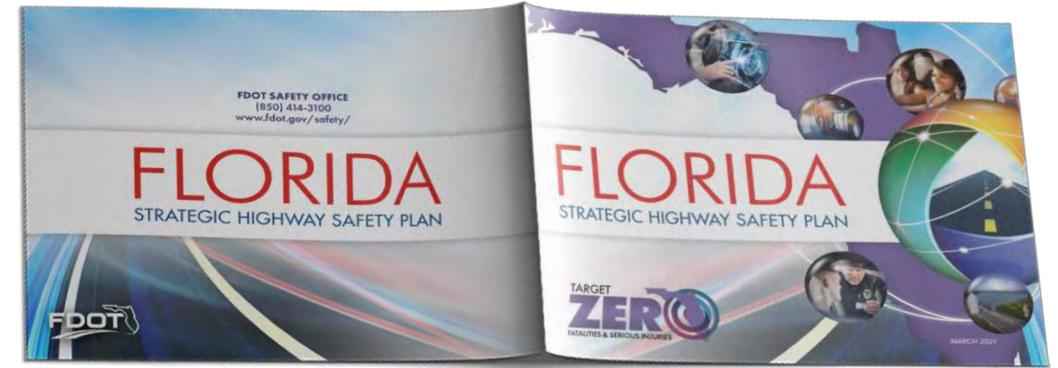


November 9, 2022



PURPOSE OF HIGHWAY SAFETY PLAN

- » Implementation tool of the Strategic Highway Safety Plan
- » Documents safety planning process and problem identification
- » Identifies performance targets and countermeasure strategies
- » Guides highway safety program funding



PROPOSED CHANGE IN FEDERAL REQUIREMENTS

» New Triennial Framework

- Triennial Highway Safety Plan
- Annual Grant Application
- Annual Performance Report

» Timing

- Year 1: Triennial HSP (due July 1) and Annual Grant application (due August 1)
- Years 2 and 3: Only Annual Grant application (due August 1)

» Meaningful public participation and engagement

PUBLIC AND PARTNER ENGAGEMENT

- » Separate Public and Partner Engagement Plan
 - Identify stakeholders
 - Prepare briefings materials
 - Conduct statewide webinar
 - Hold public comment period
 - Provide website resources
- » Document outcomes in the Triennial HSP

ONE LIFE LOST IS **TOO MANY**



FATALITIES

SERIOUS INJURIES

ON FLORIDA'S ROADS **EACH DAY**

Lora Hollingsworth, P.E.

Chief Safety Officer

lora.Hollingsworth@dot.state.fl.us





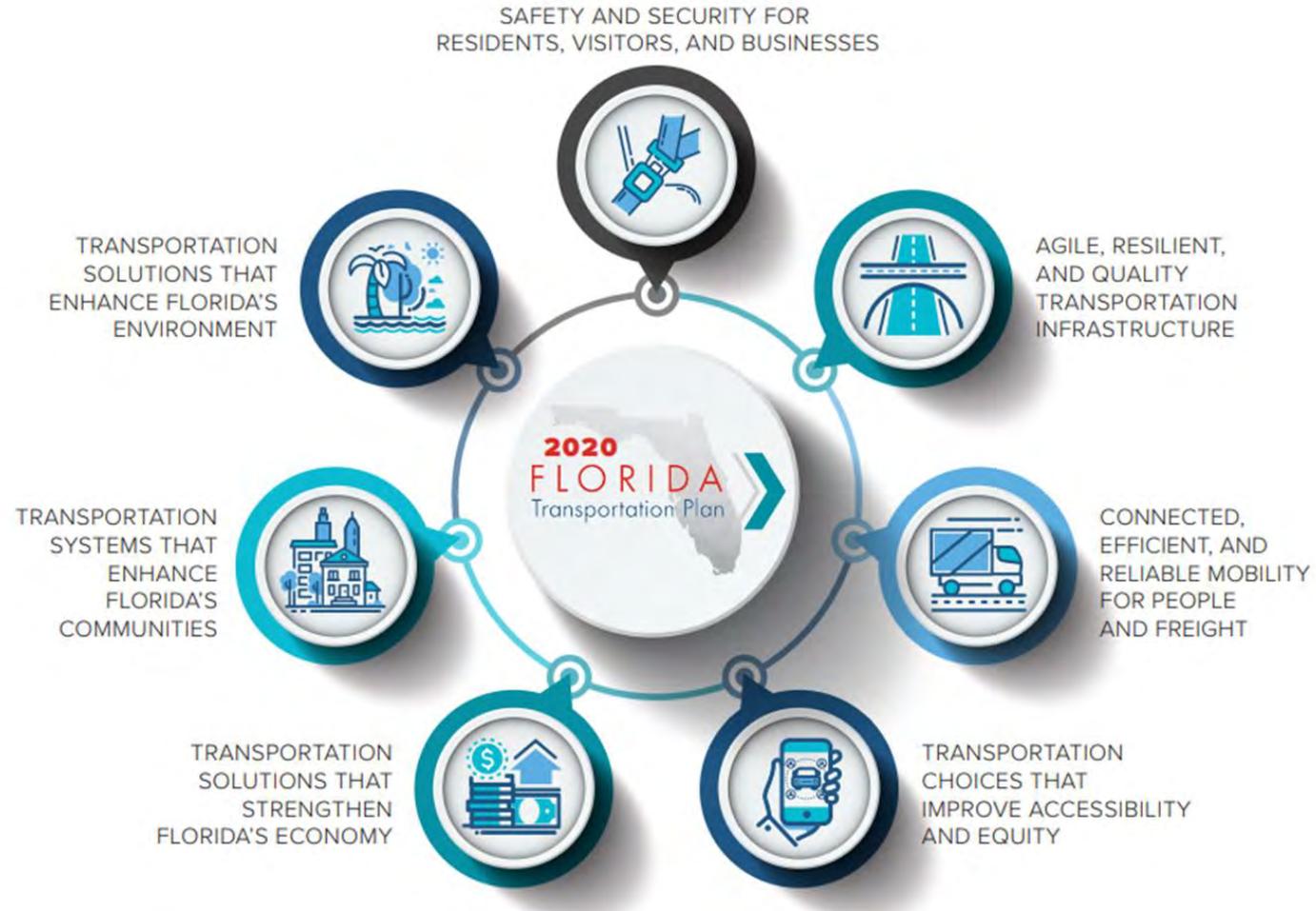
CARBON REDUCTION STRATEGY

November 9, 2022

FTP Implementation Committee Meeting



Florida Transportation Plan Alignment



Federal Goals

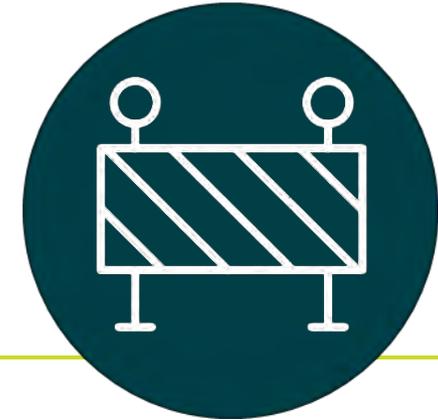
Reduce transportation emissions by:



Reducing
single-occupant
vehicle trips



Facilitating the use of
vehicles or modes of
travel that result in
lower emissions



Facilitating approaches
to construction that
result in lower
emissions

Carbon Reduction Strategy Approach



Data and Research



**Internal and
External Outreach**



Tools and Guidance



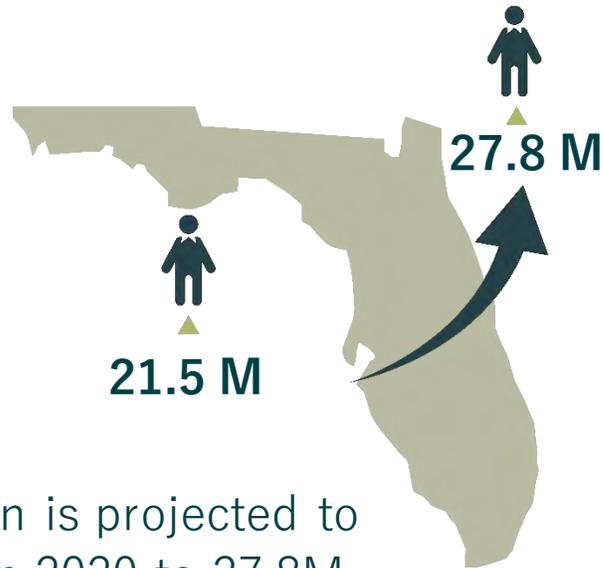
**Objectives and
Strategies**



Florida Trends and Conditions: Population

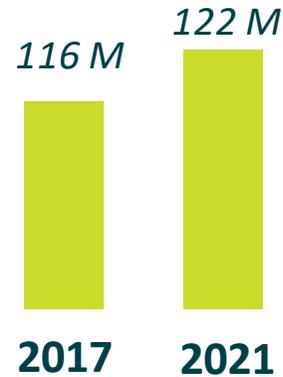


Florida has a population of **21.5 Million**. Today, ranking 3rd among the states.



Florida's population is projected to grow from 21.5M in 2020 to 27.8M in 2050.

Total Visitors



Out-of-state visitors projected to increase **55%** between 2019 and 2031

Florida's Visitor Arrival



Plane **36%**



Vehicle **64%**

Florida Trends and Conditions: Urban Areas

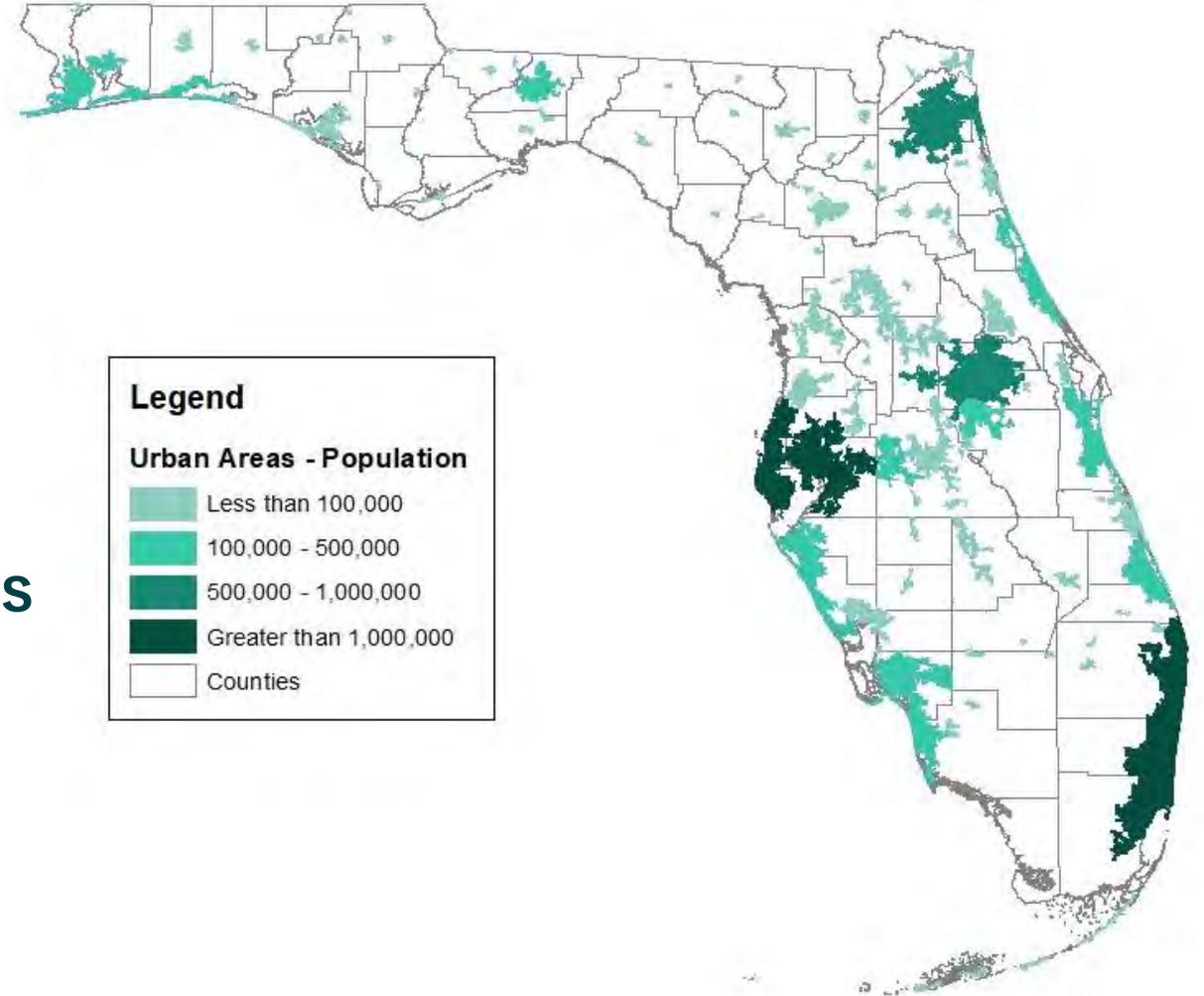
9 out of **10** Floridians live in **urban areas**



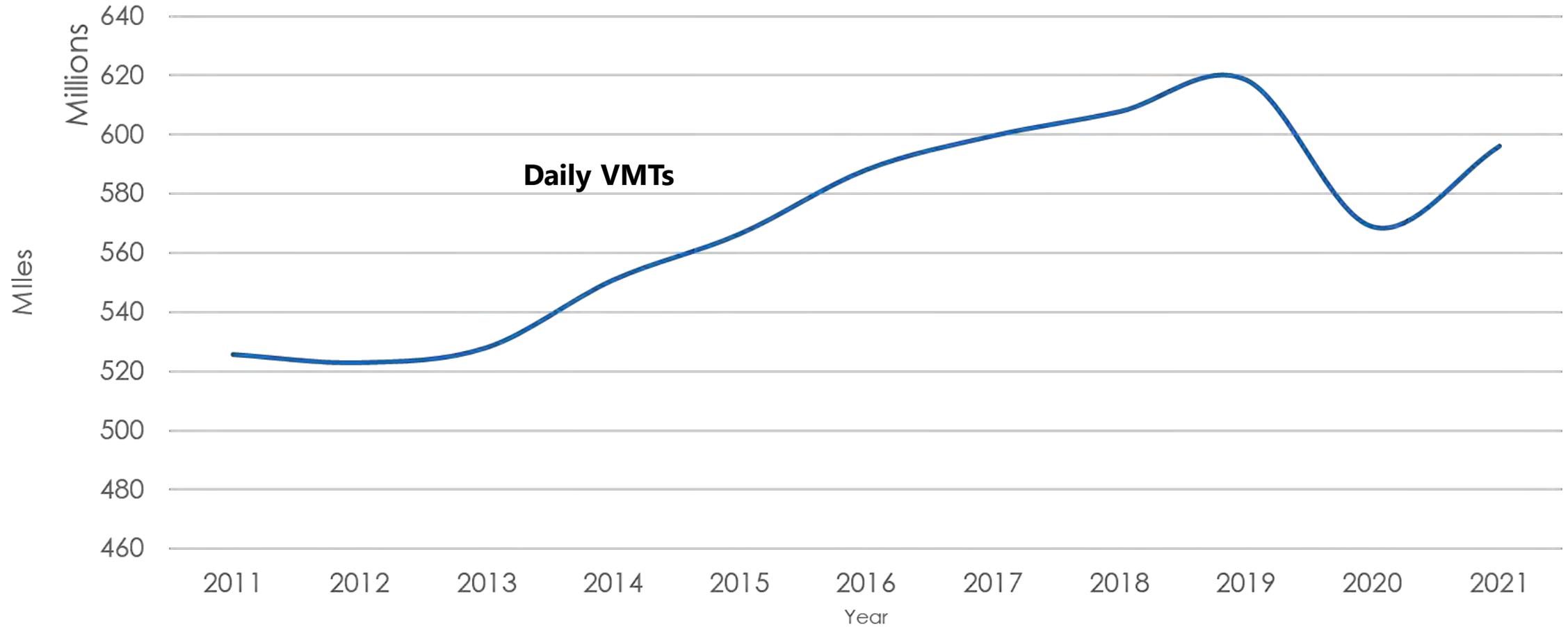
580 new residents everyday

60% of growth projected to be in **10 counties**

- Orange
- Hillsborough
- Miami-Dade
- Lee
- Palm Beach
- Broward
- Polk
- Osceola
- Duval
- Pasco

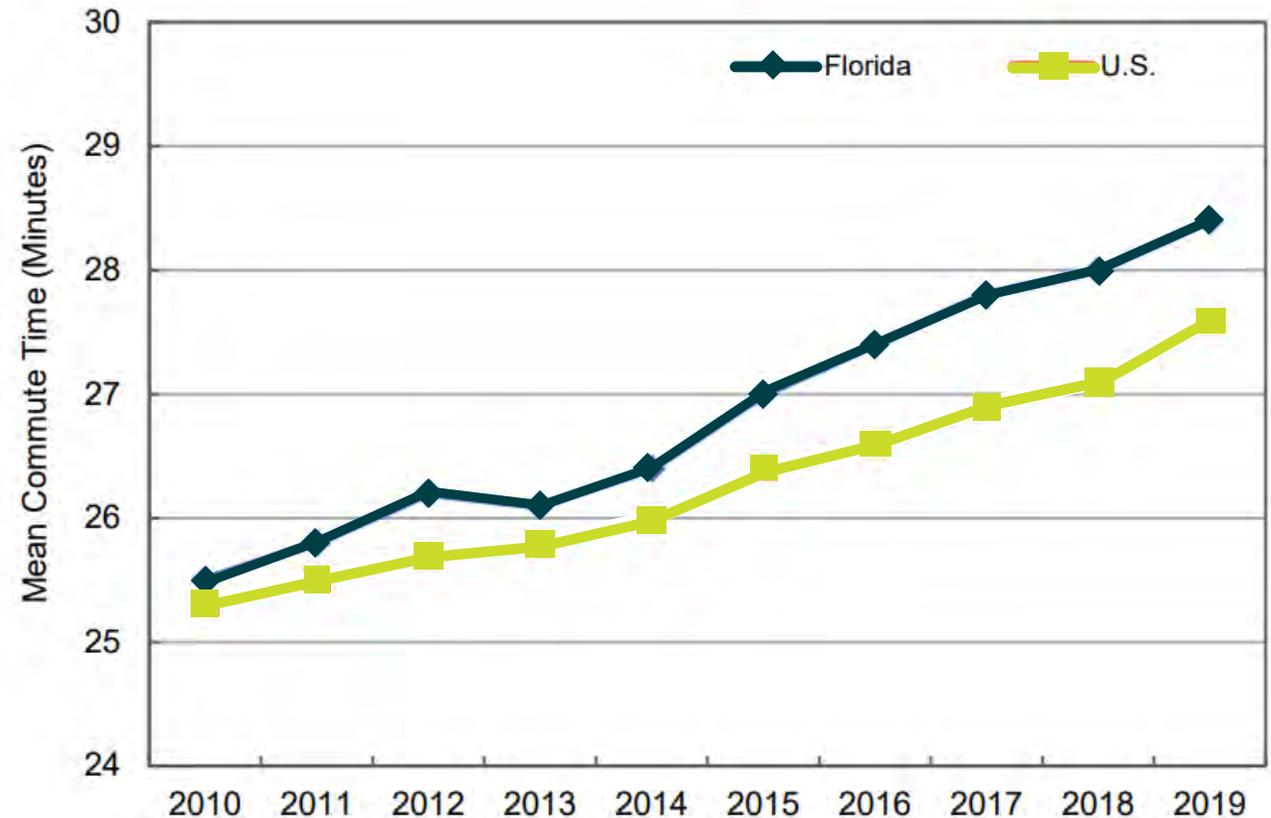


Florida Trends and Conditions: Vehicle Miles Traveled



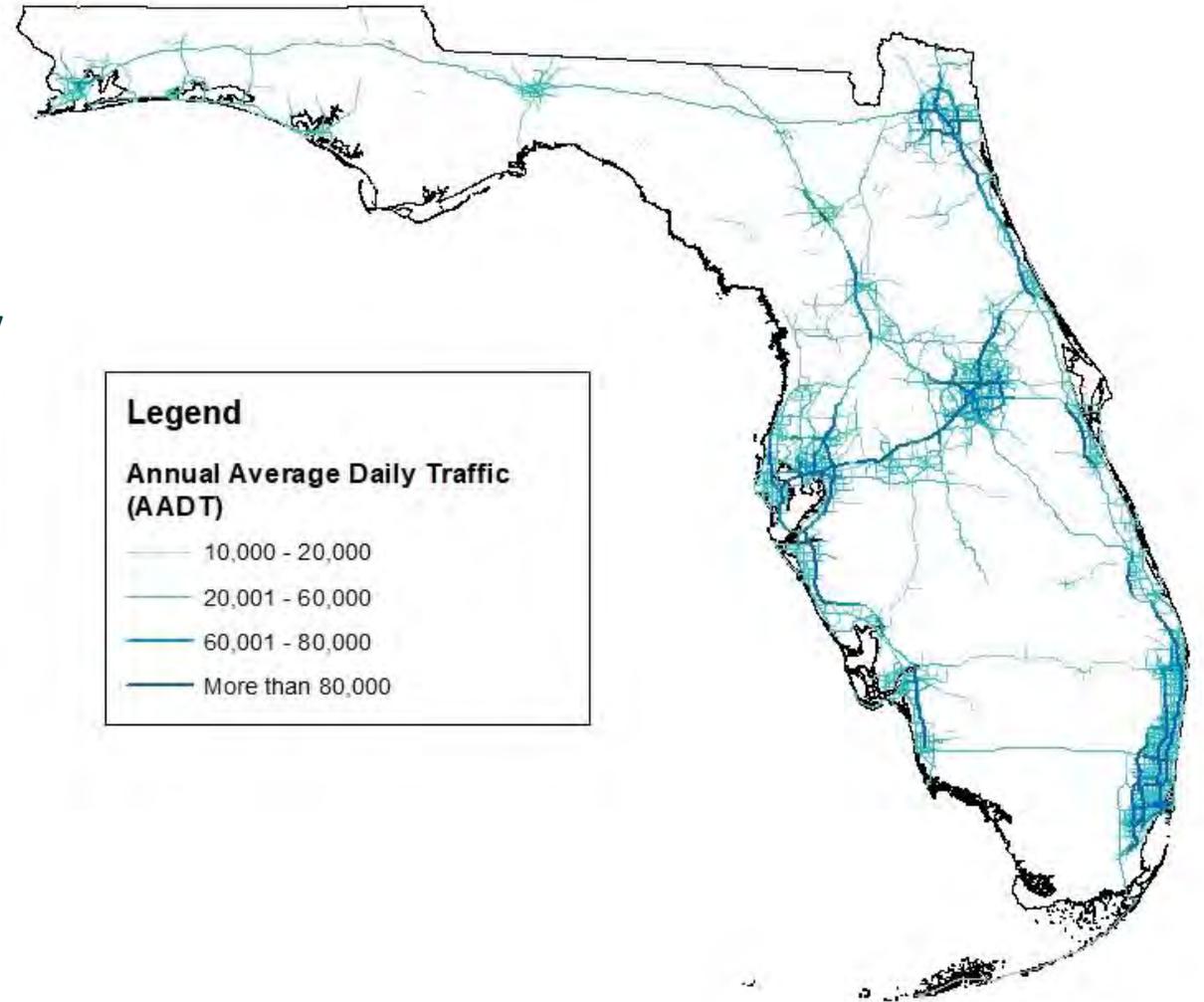
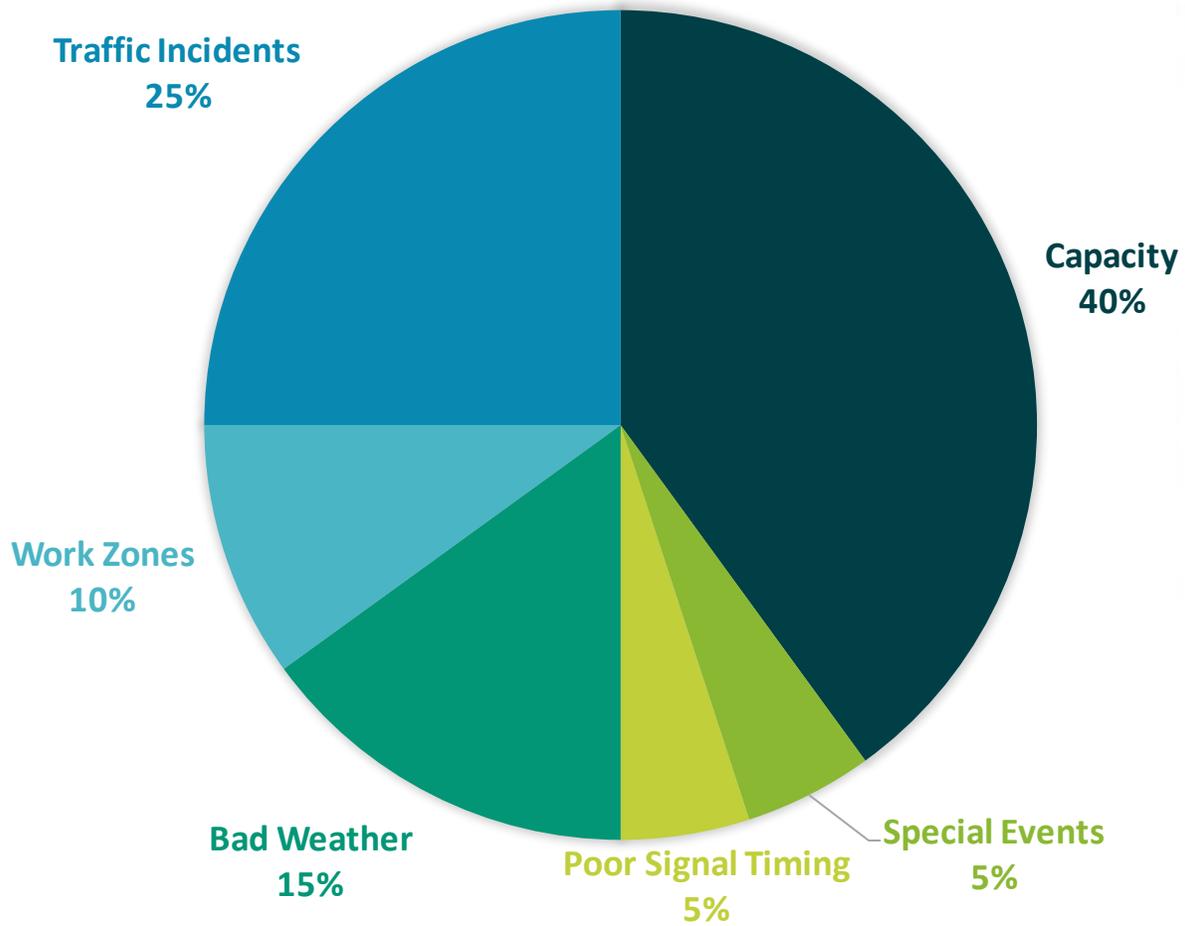
Florida Trends and Conditions: Commute Times

- In 2019, Florida's average commute time was 28.4 minutes
- Average commute times have grown by 11.4% over the last decade
- 18.7% of Floridians have commutes of 45 minutes or longer

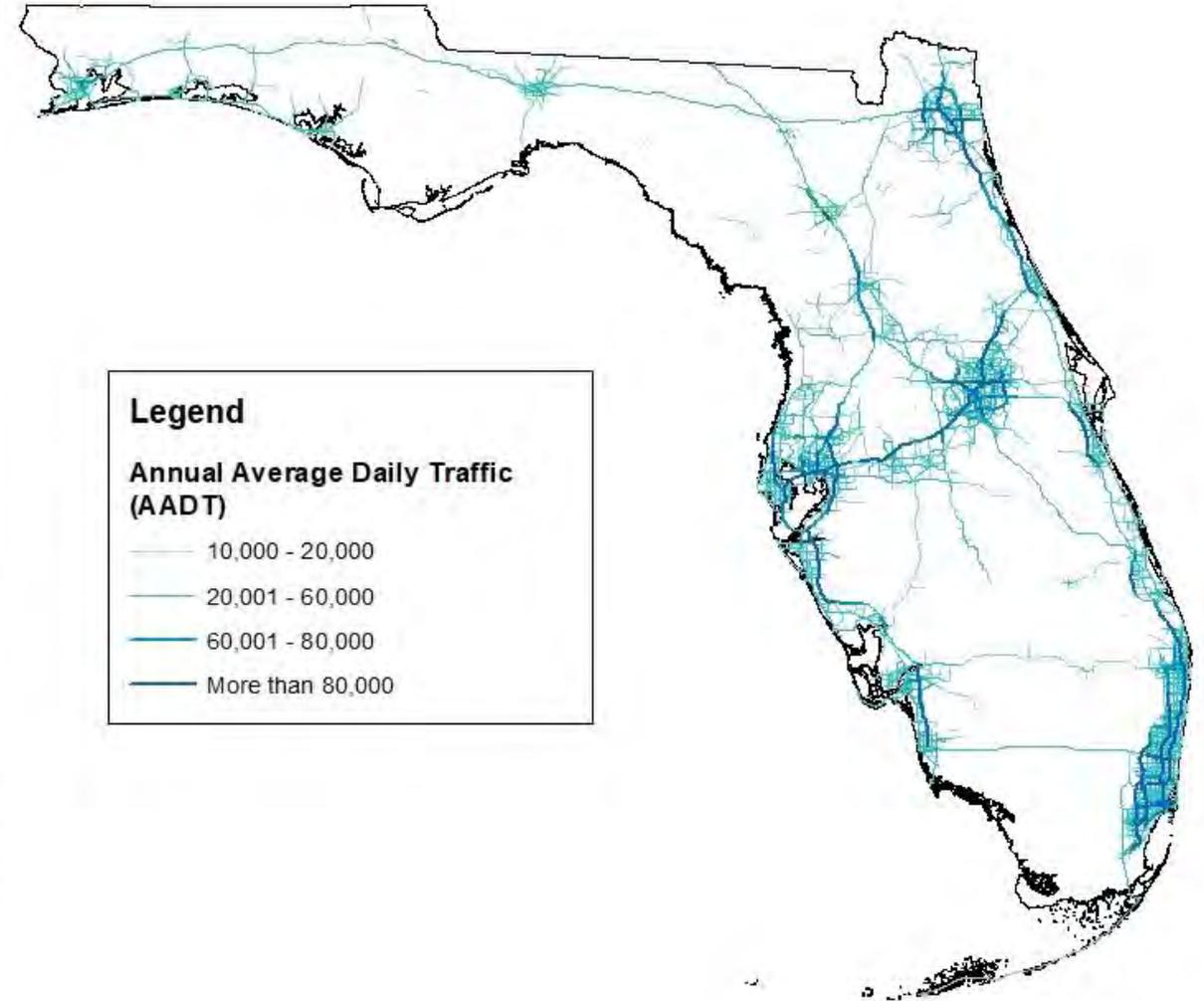
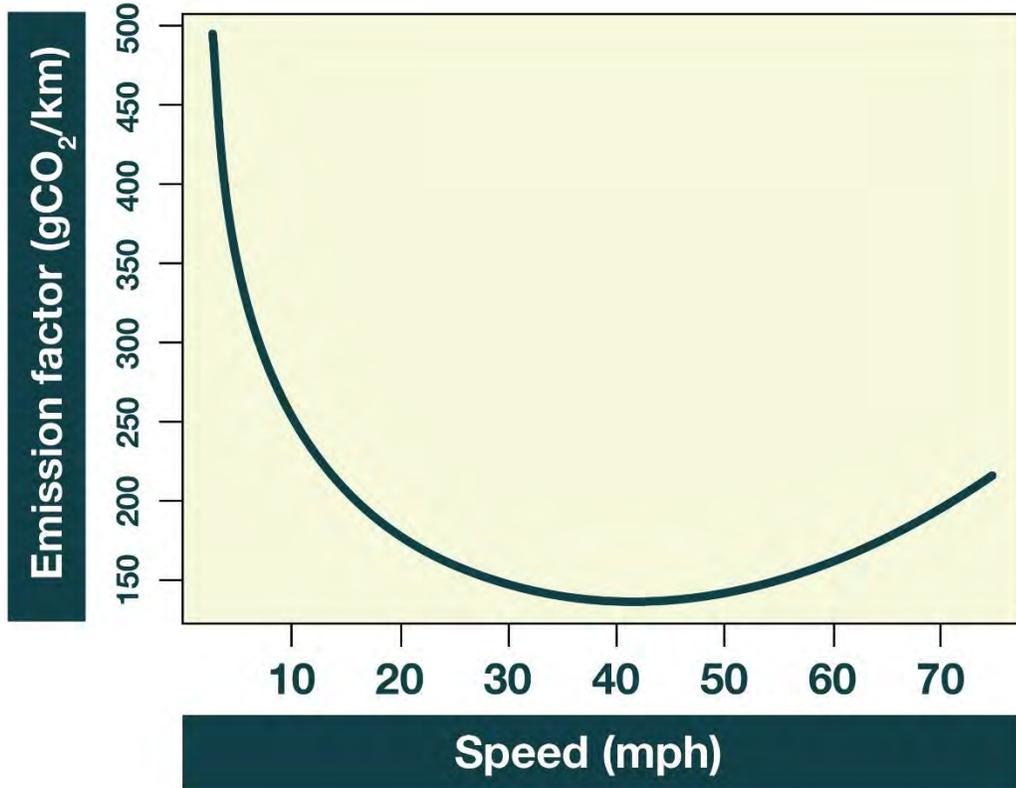


Source: FDOT 2019 Commuting Trends in Florida

Florida Trends and Conditions: Congestion and Traffic Volumes

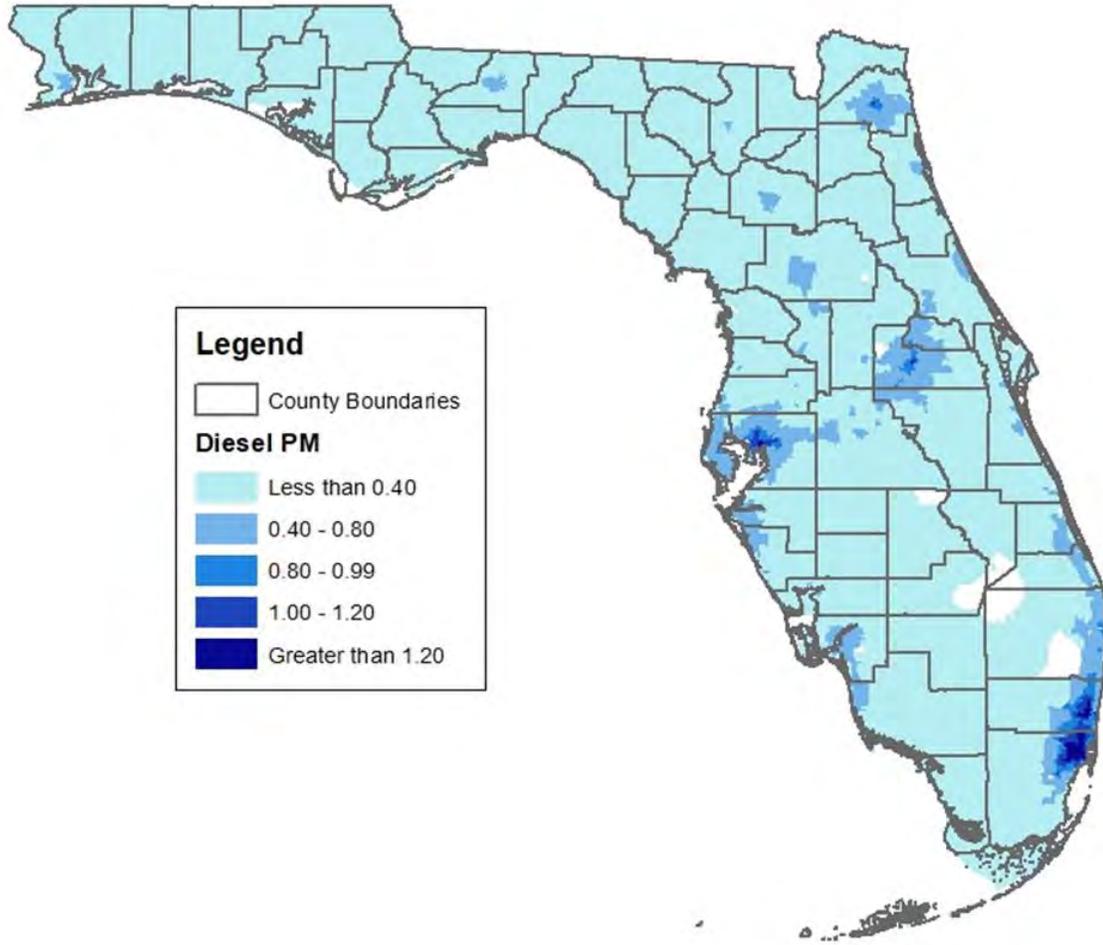


Florida Trends and Conditions: Speed and Emissions

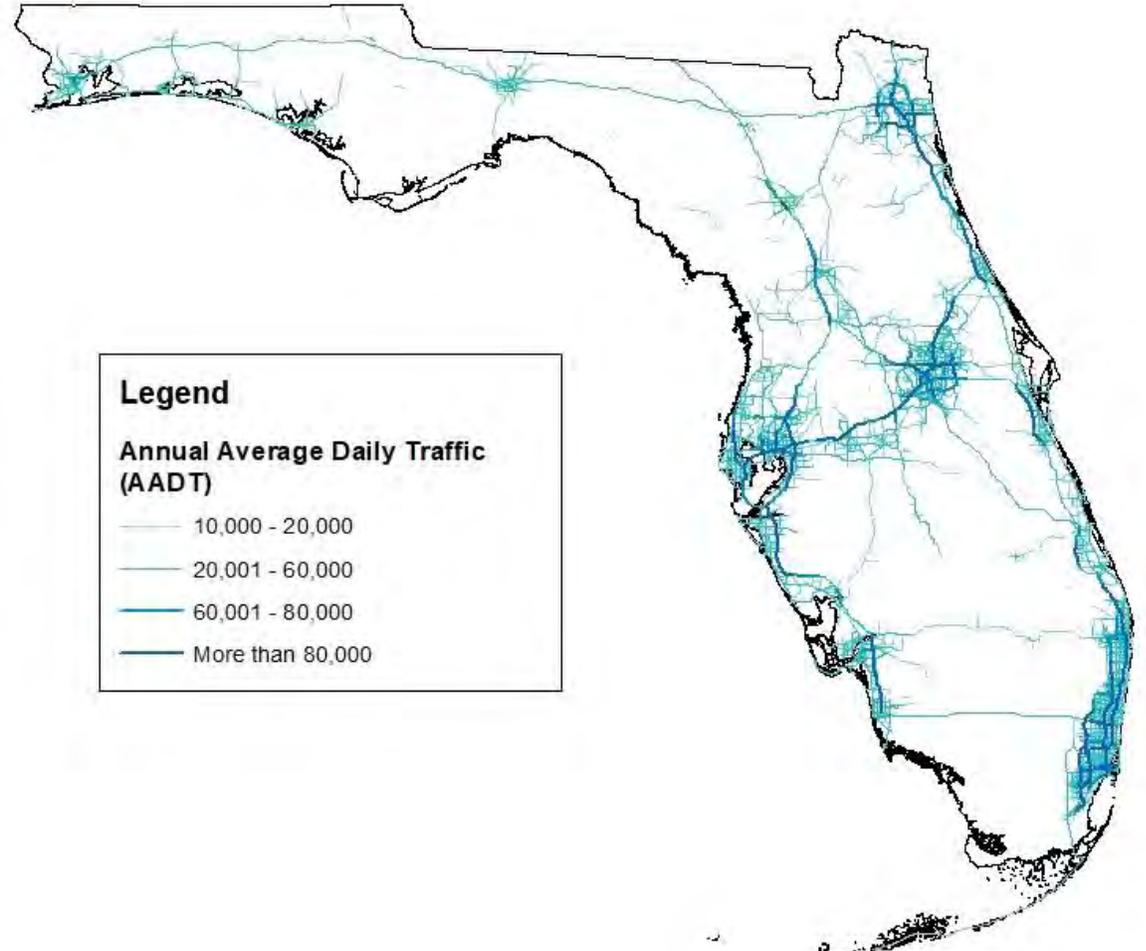


Florida Trends and Conditions: Traffic Volumes and Emissions

Transportation Emissions

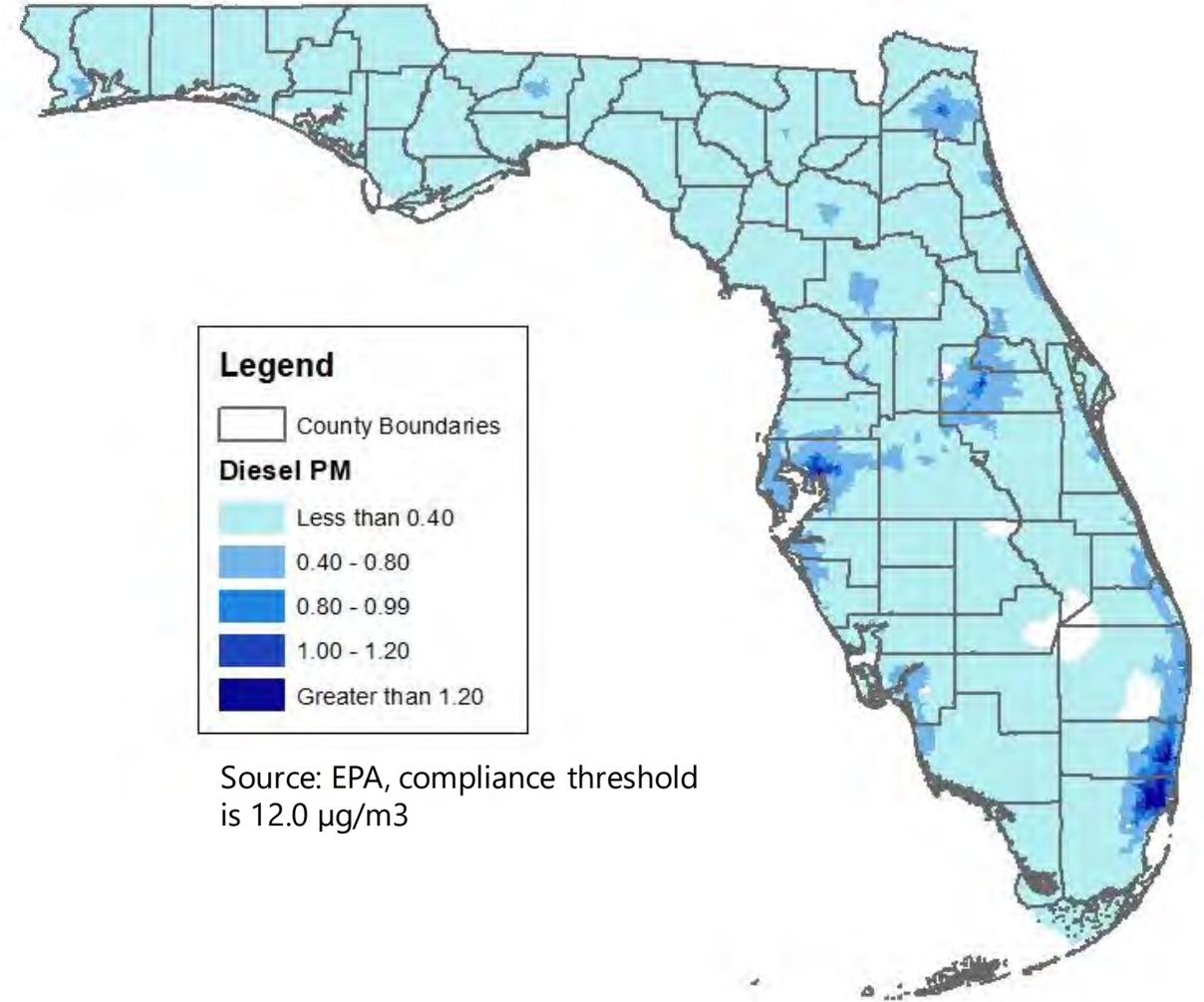


Traffic Volumes



Florida Trends and Conditions: Emissions

- Florida ranks among the top 15 states for diesel emissions
- Diesel emissions are most concentrated in urbanized areas



Carbon Reduction Strategy Themes



**Transportation
Choices**



**Congestion
Management**



**Energy Efficiency
and Diversification**



**Construction
Practices**



Carbon Reduction Strategy Objectives



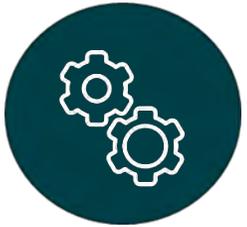
Provide safe and convenient transportation options that appeal to consumers.



Improve traffic flow and reduce congestion and idling.



Safely improve energy efficiency and diversify energy sources.



Reduce climate impacts from construction of transportation facilities



Carbon Reduction Funding



\$320.4 million in formula funding to Florida over 5 years

- 65% urbanized areas
- 35% statewide



Funding is based on population

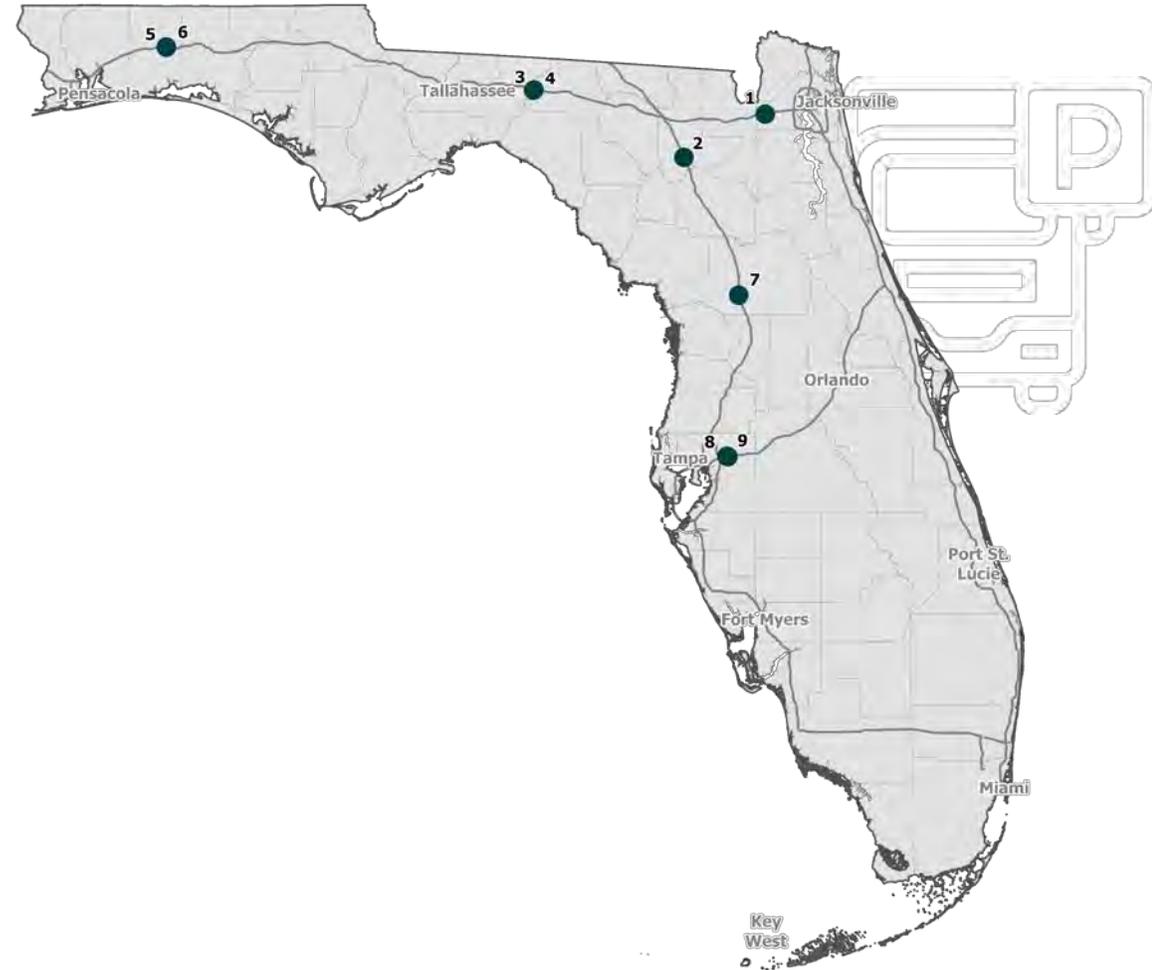
- Urbanized Areas >200,000
- Urbanized Areas 50,000-200,000
- Urban Areas 5,000-50,000
- Areas <5,000

Truck Parking Statewide Initiative



NEW Statewide Initiative

- 35% statewide funding
- FY 2023
 - \$15 million
 - 9 facilities
- Currently programing
 - FY 2024
 - FY 2025



Upcoming Activities



**LRTP Quick Guide
Late November**



**MPO Survey Closes
Nov. 15**



**MPO Meeting
Dec. 12**

Carbon Reduction Discussion

**How can we improve our
Carbon Reduction Strategy efforts?**

CARBON REDUCTION STRATEGY

Stay Aware. Stay Alert.



April Combs

Statewide Planning Coordinator

Phone: 850-414-4817

Email: April.Combs@dot.state.fl.us



RESILIENCE ACTION PLAN

FTP Implementation Committee

November 9, 2022

Presented by:

Jennifer Z. Carver, AICP

FTP RESILIENCE SUBCOMMITTEE

FROM STRATEGY TO ACTION **RISKS**

Why is this strategy important?

Identifying risks and mitigating potential impacts are important for success in achieving all FTP goals, particularly in providing agile, resilient, and quality transportation infrastructure. Efforts to adapt, prepare, withstand, and recover from disruptions and risks can improve recovery times and emergency response, reduce fatalities and serious injuries, mitigate health, safety, and security risks, and maintain infrastructure in a state of good repair.

FDOT, MPOs, regional agencies, local governments, and model partners understand the significance of identifying and mitigating risks. They are working more frequently together to respond to increases in the frequency and severity of events (such as intense storms, pandemics, and supply chain disruptions) and chronic stresses (such as sea level rise and extreme heat).

FDOT is providing tools and resources, coordinating with national, state, regional, and local agencies, performing vulnerability assessments, changing procedures and manuals, and, most importantly, incorporating measures into transportation projects to reduce risks. For example, FDOT supports the Sea Level Scenario Sketch Planning Tool, which is being used by numerous communities to evaluate risk and potential impacts to surface transportation systems from sea level rise and flooding. FDOT also participates in national and state resiliency research such as improving asphalt pavement resiliency due to flooding, investigating methods for establishing a resiliency index, and enhancing state DOT risk and resiliency initiatives.

Many MPOs and local governments are addressing infrastructure and community resiliency by establishing policies or targets, conducting vulnerability assessments, enhancing known trouble spots, and preparing capital improvement plans. The Florida Department of Environmental Protection (DEP) is charged with developing and maintaining a Statewide Floodplain and Sea Level Rise Resilience Plan. FDOT will prepare a Statewide action plan for the State Highway System that meets Florida legislative requirements (Section 330.17, F.S.) and supports federal funding opportunities identified by the Bill. The Bill also requires FDOT, in consultation with MPOs, to develop and regularly update a carbon reduction strategy to reduce emissions involving the transportation system.



2045

FLORIDA Transportation Plan

IMPLEMENTATION ELEMENT



IDENTIFY & MITIGATE RISKS

PRIORITY IMPLEMENTATION ACTIONS

- 
COLLABORATION
 - Leverage and support regional resilience coalitions to identify risks and develop integrated solutions.
 - Coordinate with state and local hazard mitigation strategies to define actions for transportation- and evacuation-related risks.
- 
CUSTOMERS
 - Expand use of Transportation Systems Management and Operations to support real-time operations and provide status information on multimodal transportation systems during major events.
- 
PERFORMANCE & DATA
 - Incorporate resilience data, practices, and performance measures into transportation planning, design, construction, operations, and maintenance processes.
 - Enhance tools and processes to consider return on investment in asset management, including the cost of inaction.
- 
POLICY, PLANNING, & DECISION-MAKING
 - Develop a statewide resilience action/improvement plan meeting state and federal requirements and a carbon reduction strategy meeting federal requirements.
 - Identify vulnerable infrastructure and resilience needs and evaluate potential solutions through statewide and regional assessments.
 - Conduct post-response evaluations to identify lessons learned and actions to continuously improve mobility and reliability during major events across the lifecycle of a facility.
 - Implement innovative and adaptive solutions (including nature- or technology-based approaches) that reduce risk and preserve function.
 - Identify long-range needs to adapt existing infrastructure, provide more redundancy, or relocate infrastructure from vulnerable areas.
 - Develop program and eligibility guidance to identify and maximize funding for transportation resilience needs.
- 
REGIONAL & LOCAL FLEXIBILITY
 - Provide technical and financial support to local governments and regional partnerships to conduct vulnerability assessments, develop resilience strategies, and implement actions identified as part of area-specific adaptation plans. Place emphasis on regionally significant transportation facilities, including those that connect to and support the SIS.
 - Collaborate with local governments and regional partnerships to develop community-based programs and projects addressing both state and locally owned infrastructure, including joint or leveraged funding.

IMPLEMENTATION ELEMENT 15

RESILIENCE POLICY

- Ability to **adapt** to changing conditions and **prepare** for, **withstand**, and **recover** from disruption
- Identify risks, particularly related to
 - Storms
 - Flooding
 - Sea level rise
- Assess potential impacts
- Employ strategies to avoid, mitigate, or eliminate impacts



FDOT RESILIENCE ACTIVITIES



PRACTICES



TOOLS



RESEARCH



COLLABORATION



**INTEGRATION OF
TOOLS WITH
PROCESSES**

INHERENT RESILIENCE

- Traffic signals
- Pavement markings
- Roundabouts
- High mast lighting
- Materials



INHERENT RESILIENCE

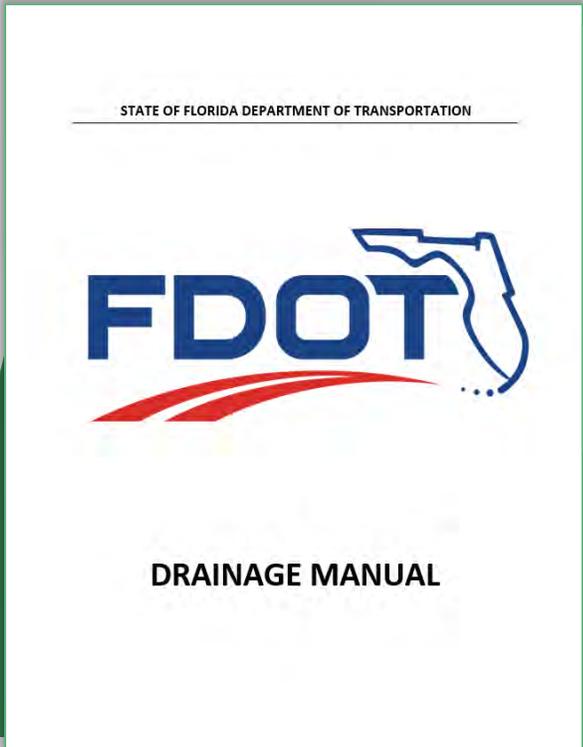
- Stormwater/drainage design procedures
- Nature-based solutions
- Context sensitive, complete streets
- Local partner coordination



FDOT MANUAL UPDATES

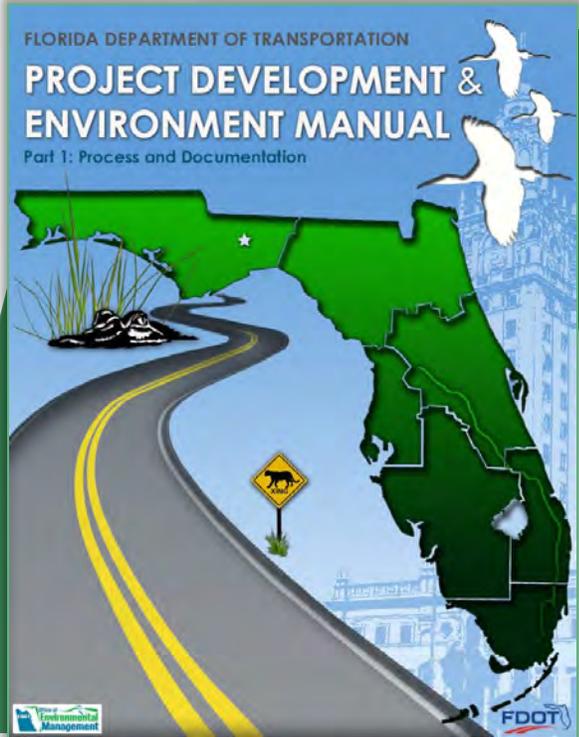
Drainage Manual

- Section on Resilience Considerations
- Identify inherent resilience



PD&E Manual

- Guidance for required Sea Level Impact Projection Study (if in Coastal Building Zone)

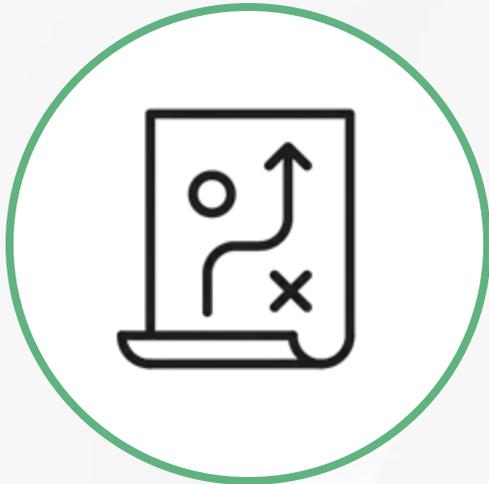


OTHER RECENT FLORIDA ACTIVITIES

- Sea Level Impact Projection (SLIP) Studies
- Resilient Florida
- Florida Flood Hub
- Establishment of Florida's Chief Resilience Officer
- Resilience Action Plan (RAP)



RESILIENCE ACTION PLAN GOALS



Recommend strategies to enhance infrastructure and operational resilience



Recommend design changes for existing and new facilities



Enhance partnerships to address multijurisdictional resilience needs

RESILIENCE ACTION PLAN ELEMENTS



Historic/
current issues



Alternatives to retrofit existing
infrastructures and systems



FDOT policies
& procedures

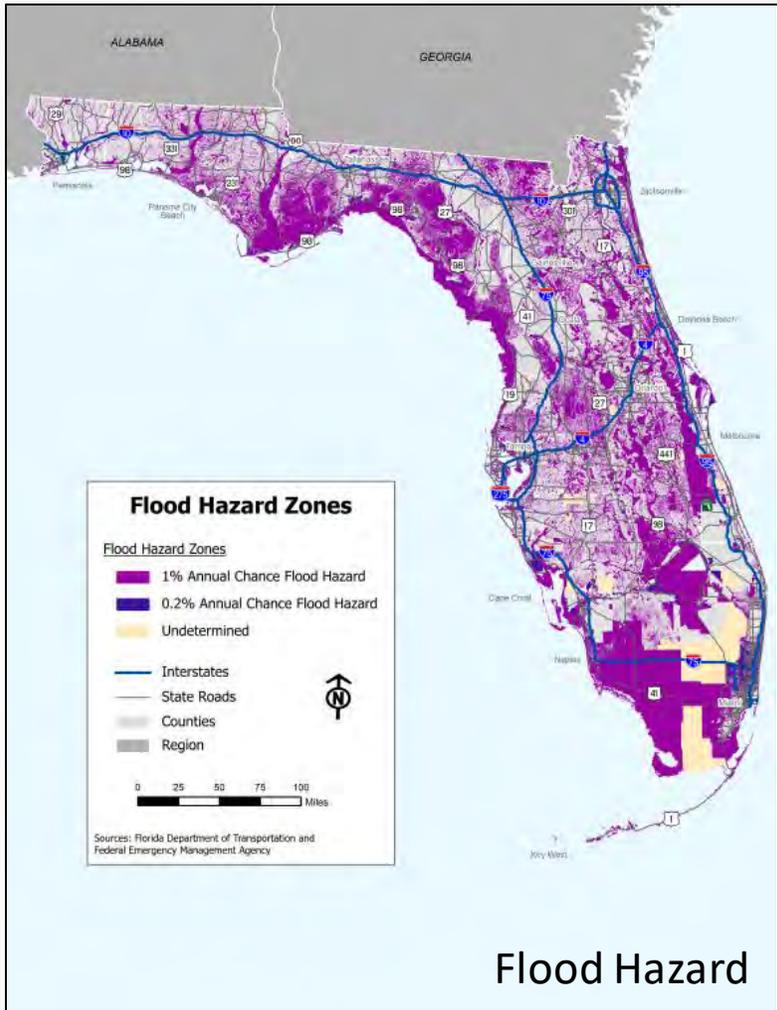


Database of vulnerable assets



Vulnerability assessment
of State Highway System

VULNERABILITY ASSESSMENT



VULNERABILITY ASSESSMENT

- Identify extent of potential hazards and document vulnerable facilities
- Develop prioritization criteria
- Identify where the impacts of hazards should be addressed
- Identify systemwide resilience needs

RESILIENCE ACTION PLAN STRATEGY AREAS



Policy



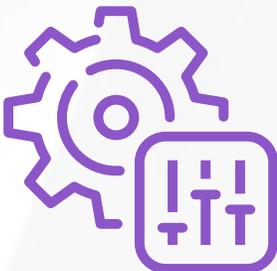
Planning/PD&E



Design &
Construction



Traffic Ops, ITS,
Technology



Maintenance &
Operations



Emergency
Management



Collaboration &
Coordination

RESILIENCE ACTION PLAN NEXT STEPS



Complete
Vulnerability
Assessment



Continue
Outreach



Develop
Strategies

Plan due to Governor and Legislature by June 30, 2023

FEDERAL PROTECT PROGRAM

- Formula and discretionary funding
- \$70M a year in formula funding, distributed to districts
 - Minimum 2% planning set-aside
 - 10% cap on pre-construction activities
- Optional Resilience Improvement Plan will increase federal share



PROTECT PROGRAMMING GUIDANCE

- Funding for resilience elements only
 - Resilience PSEE module under development
- FY23 – CO/District coordination for project identification and programming of PROTECT funding
- FY24-26 – Districts will program PROTECT funding
- Early identification will smooth programming

What is your organization doing to address resilience?

What strategies do you want to see as part of the Resilience Action Plan?

What resilience-related tools or technical assistance can FDOT provide your organization?

Don't Drive Into the Unknown...



...Stay Away from Flooded Streets!

For more information, please contact:

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850-414-4720



Public Comment

Provide your name and county of residence

Please keep comments to no more than 3 minutes

Next Steps

- Potential dates for Spring 2023 meeting
 - April 18
 - May 11
 - May 24
- Potential topics for next meeting
 - Final Resilience Action Plan
 - Carbon Reduction Strategy update
 - Performance reporting
 - SIS policy update
 - Highway Safety Plan update



THINK AHEAD

You only have seconds to react when approaching an intersection. Over 30% of all traffic fatalities occur from intersection-related crashes*. Avoid distractions and stay alert so you're able to make a safe decision quickly.

It Could Save Your Life.

*Sourced from the Florida Department of Transportation

