

The Florida Senate
COMMITTEE MEETING EXPANDED AGENDA

TRANSPORTATION
Senator DiCeglie, Chair
Senator Davis, Vice Chair

MEETING DATE: Tuesday, January 17, 2023
TIME: 1:30—3:00 p.m.
PLACE: *Toni Jennings Committee Room*, 110 Senate Building

MEMBERS: Senator DiCeglie, Chair; Senator Davis, Vice Chair; Senators Boyd, Broxson, Burton, Gruters, Hooper, Pizzo, Torres, and Trumbull

TAB	BILL NO. and INTRODUCER	BILL DESCRIPTION and SENATE COMMITTEE ACTIONS	COMMITTEE ACTION
1	Introduction of Committee Members		Discussed
2	Overview of Committee Jurisdiction		Presented
3	Presentation by the Department of Transportation on the Shared-Use Nonmotorized (SUN) Trail Program		Presented
4	Presentation by the Department of Transportation on Electric Vehicle Charging Infrastructure		Presented
Other Related Meeting Documents			

Committee on Transportation

Overview of Committee Jurisdiction



Committee Subject Matter

- Airports and aviation
- Autonomous vehicles
- Driver licenses
- DUI (with CJ Committee)
- Florida Highway Patrol
- Florida Turnpike System
- License plates
- Motor vehicle-related fees and taxation (with F&T Committee)
- Motor vehicle registration and titling
- Motor vehicle dealers and manufacturers
- Outdoor advertising
- Public transit
- Railroads - passenger and freight
- Regulation of driving – “rules of the road”
- Road and bridge construction
- Road and bridge honorary designations
- Seaports
- Tolling
- Towing and recovery of vehicles/vessels
- Traffic safety
- Transportation
- Disadvantaged Program
- Transportation finance (with TED Committee)
- Transportation network companies
- Vessel registration and titling

Florida Department of Transportation (FDOT)

The FDOT is responsible for the development and maintenance of a safe statewide transportation system which ensures the mobility of people and goods, enhances economic prosperity, and preserves the quality of the environment and communities

- Roads and Bridges
- Airports and Aviation
- Transit
- Freight and Intermodal Transportation
- Passenger Rail
- Seaports

Development and implementation of the Five-Year Work Program

FY 2022-23 Appropriations: \$12.7 Billion and 6,175 FTEs

Department of Highway Safety and Motor Vehicles (DHSMV)

The DHSMV's mission is to provide Highway Safety and Security through excellence in service, education and enforcement

Enforcement of uniform traffic laws affecting the operation of various vehicles including: light-duty cars and trucks, commercial motor vehicles, motorcycles, bicycles, All Terrain Vehicles, recreational vehicles, and mobile homes

Licensing the drivers of motor vehicles (including commercial motor vehicles)

Registration and titling of automobiles, trucks, motorcycles, trailers, recreational vehicles, and vessels

FY 2022-23 Appropriations: \$529.1 Million and 4,340 FTEs

Other Oversight Entities

Transportation Disadvantaged Commission

Florida Transportation Commission

Expressway Authorities

Regional Transportation Authorities

Airport and Seaport Authorities

FLORIDA TRANSPORTATION FAST FACTS

123,488 centerline miles of public roads¹⁰

12,136 centerline miles of State Highway System¹¹

4,350 centerline miles of Strategic Intermodal System¹³

312.8 M daily vehicle miles traveled on the State Highway System¹²

83.5% of pavement conditions on Florida's State Highway System exceeding FDOT standards²⁸

2% of State Highway System centerline miles heavily congested during peak hour²⁹



21.5 M Florida's population¹⁹

79.3 M visitors to Florida³⁵



17.7 M licensed drivers²⁰

18 M registered motor vehicles³¹



\$1.1 T Florida's gross domestic product¹⁸

53,625 square miles of land³⁴

8 active launch sites¹

31 space launches in Florida²

9.7 M annual cruise passenger movements⁴

15 deep water seaports⁵



20 commercial airports¹⁴

43.1 M annual aircraft passenger boardings⁹

84.3% of aircraft trips depart on time²⁶



15,614 serious injuries¹⁷

3,332 fatalities¹⁶

7,079 bridges maintained by FDOT⁹

94.3% of bridges maintained by FDOT with a National Bridge Inventory rating of 6 or higher²⁷

7,487 miles of bicycle facilities on non-freeway State Highway System²¹

75.7% of non-freeway State Highway System with bicycle facilities²³

3,523 miles of pedestrian facilities on urban non-freeway State Highway System²²

68.8% of urban non-freeway State Highway System with pedestrian facilities²⁴

60.3% of Florida's population within a half-mile of fixed route transit⁸

17 rural transit systems³²

30 urban transit systems³³

155.8 M annual transit passenger trips⁷



4.3 M annual rail passengers (Tri-Rail, Amtrak, SunRail)⁶

2,746 miles of mainline railroad track²⁵

162,466 electric vehicle registrations in Florida as of June 2022¹⁵

2,352 public electric vehicle charging stations in Florida³⁰



FLORIDA TRANSPORTATION FAST FACTS

Sources

1	Active launch sites	Space Florida
2	Space launches in Florida	
3	Annual aircraft passenger boardings	Federal Aviation Administration, Air Carrier Activity Information System (ACASIS) Passenger Boarding and All-Cargo Data
4	Annual cruise passenger movements	Florida Seaport Transportation and Economic Development Council, Five-Year Florida Seaport Mission Plan
5	Deep water seaports	
6	Annual rail passengers (Tri-Rail, Amtrak, SunRail)	Amtrak, Fact Sheet; Federal Transit Administration, National Transit Database, Monthly Ridership Database, September 2021 Adjusted
7	Annual transit passenger trips	FDOT Transit Office, Florida Transit Information and Performance Handbook
8	% of Florida's population within a half-mile of fixed route transit	FDOT Office of Maintenance, Florida Bridge Inventory
9	Bridges maintained by FDOT	
10	Centerline miles of public roads	FDOT Transportation Data and Analytics Office, Public Road Mileage and Miles Traveled Report
11	Centerline miles of State Highway System	FDOT Transportation Data and Analytics Office, State Highway System Mileage and Travel (DVMT) Report
12	Daily vehicle miles traveled on the State Highway System	FDOT Transportation Data and Analytics Office, State Highway System Mileage and Travel (DVMT) Report - SIS Only
13	Centerline miles of Strategic Intermodal System	FDOT Aviation Office
14	Commercial airports	Florida Department of Highway Safety and Motor Vehicles
15	Electric vehicle registrations in Florida as of September 2022	Florida Department of Highway Safety and Motor Vehicles, Traffic Crash Facts Annual Report 2020
16	Fatalities	
17	Serious injuries	U.S. Bureau of Economic Analysis, GDP and Personal Income
18	Florida's gross domestic product	U.S. Census Bureau, 2020 Census
19	Florida's population	Florida Department of Highway Safety and Motor Vehicles, 2021 Annual License Driver Report
20	Licensed drivers	

21	Miles of bicycle facilities on non-freeway State Highway System	FDOT Transportation Data and Analytics Office, Roadway Characteristics Inventory Features 214 (Outside Shoulders) and Feature 216 (Bike Lanes/Pedestrian Facilities)
22	Miles of pedestrian facilities on urban non-freeway State Highway System	
23	% of non-freeway State Highway System with bicycle facilities	
24	% of urban non-freeway State Highway System with pedestrian facilities	
25	Miles of mainline railroad track	FDOT Freight and Multimodal Operations Office
26	% aircraft trips depart on time	U.S. Department of Transportation Bureau of Transportation Statistics, Percent On-Time Departure
27	% of bridges maintained by FDOT with a National Bridge Inventory rating of 6 or higher	FDOT Office of Maintenance, AASHTOWare™ Bridge Management software (BIM)
28	% of pavement conditions on Florida's State Highway System exceeding FDOT standards	FDOT State Materials Office, Pavement Condition Survey program
29	% of State Highway System centerline miles heavily congested during peak hour	FDOT Transportation Data and Analytics Office, Traffic Characteristics Inventory; FDOT, Roadway Characteristics Inventory Feature 147 (Strategic Intermodal System) and Feature 311 (Speed Limits); HERE Technologies, Travel Time Data
30	Public electric vehicle charging stations in Florida	U.S. Department of Energy Alternative Fuels Data Center, Florida Transportation Data for Alternative Fuels and Vehicles
31	Registered motor vehicles	Florida Department of Highway Safety and Motor Vehicles, Traffic Crash Facts Annual Report 2020
32	Rural transit systems	FDOT Transit Office
33	Urban transit systems	
34	Square miles of land	Florida Department of State, Quick Facts/Geographical Facts
35	Visitors to Florida	Visit Florida, Research

**Looking for more?
FDOTSourceBook.com**

The trusted source for mobility, safety, infrastructure, and accountability performance measures.



SUN TRAIL PROGRAM

BRAD THOBURN, FDOT ASSISTANT SECRETARY, STRATEGIC DEVELOPMENT

JANUARY 17, 2023 | SENATE COMMITTEE ON TRANSPORTATION

FDOT MISSION

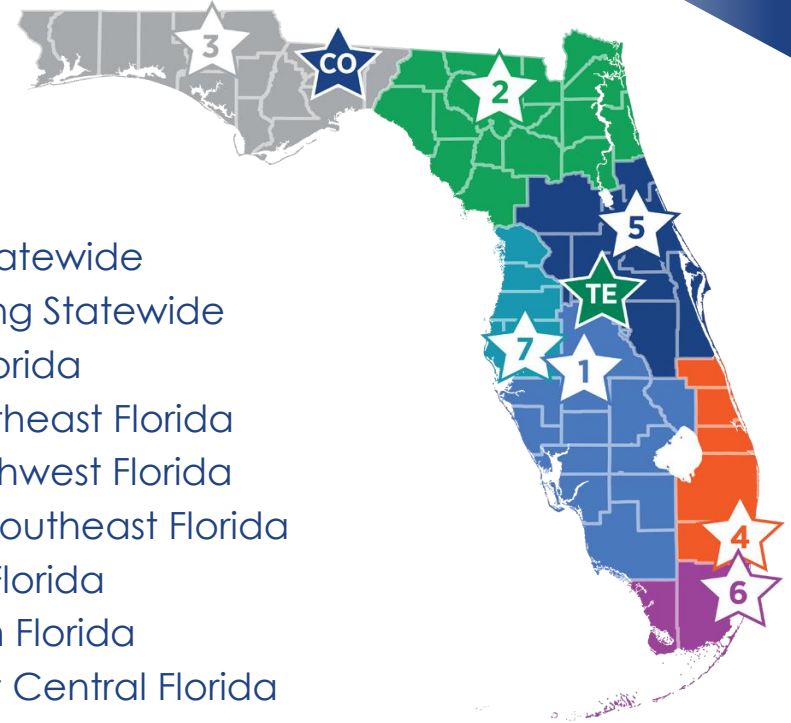
The Florida Department of Transportation (FDOT) is committed to providing a **safe transportation system** that ensures the **mobility of people and goods**, **enhances economic prosperity**, and **preserves the quality of our environment and communities**.

SERVING FLORIDA'S COMMUNITIES

FDOT is a decentralized agency with headquarters located in Tallahassee.

Readily able to serve the local communities and closely coordinate directly with our regional partners to achieve a shared community vision.

- Central Office | Tallahassee, Leon County | Serving Statewide
- Turnpike Enterprise | Orlando, Orange County | Serving Statewide
- District 1 | Bartow, Polk County | Serving Southwest Florida
- District 2 | Lake City, Suwannee County | Serving Northeast Florida
- District 3 | Chipley, Washington County | Serving Northwest Florida
- District 4 | Ft. Lauderdale, Broward County | Serving Southeast Florida
- District 5 | DeLand, Volusia County | Serving Central Florida
- District 6 | Miami, Miami-Dade County | Serving South Florida
- District 7 | Tampa, Hillsborough County | Serving West Central Florida

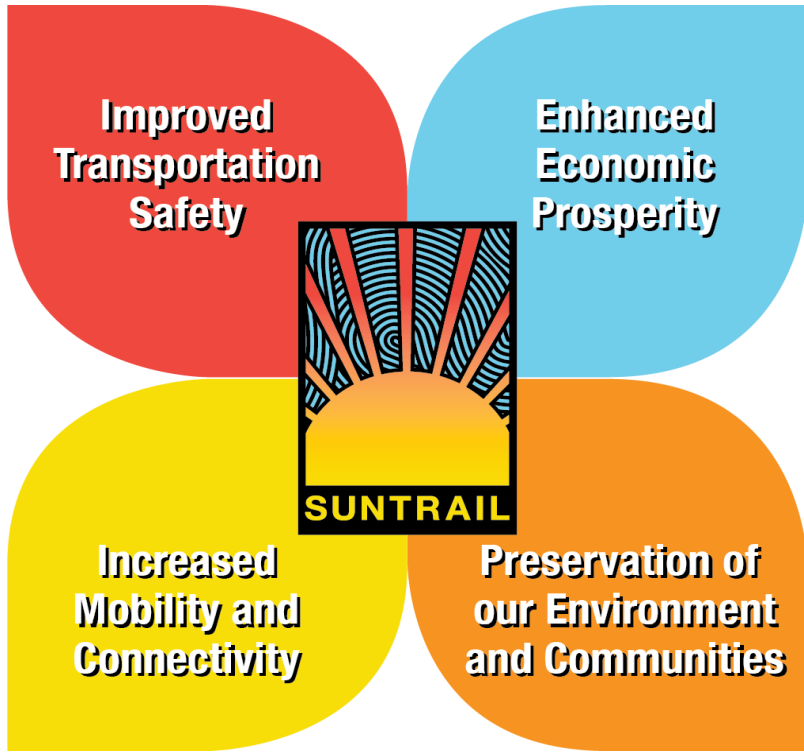


SUN TRAIL PROGRAM

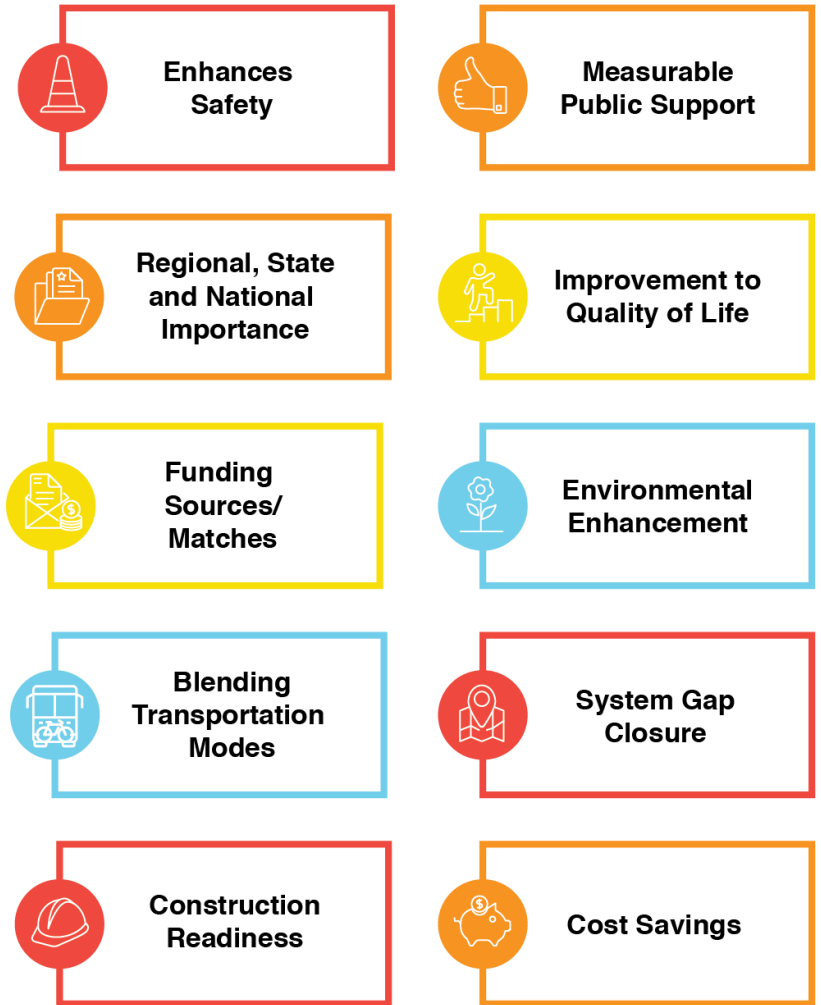


- Shared-Use Nonmotorized (SUN) Trail Program
- SUN Trail network is a statewide system of interconnected and high-priority paved multi-use trail corridors for bicyclists and pedestrians
- SUN Trail is part of a broader trail system statewide
- FDOT receives annual funds to develop regional paved trails to enhance safety for trail users
- FDOT works closely with local partners and the Florida Department of Environmental Protection (DEP)

PROGRAM GOALS



SUN TRAIL SELECTION CRITERIA



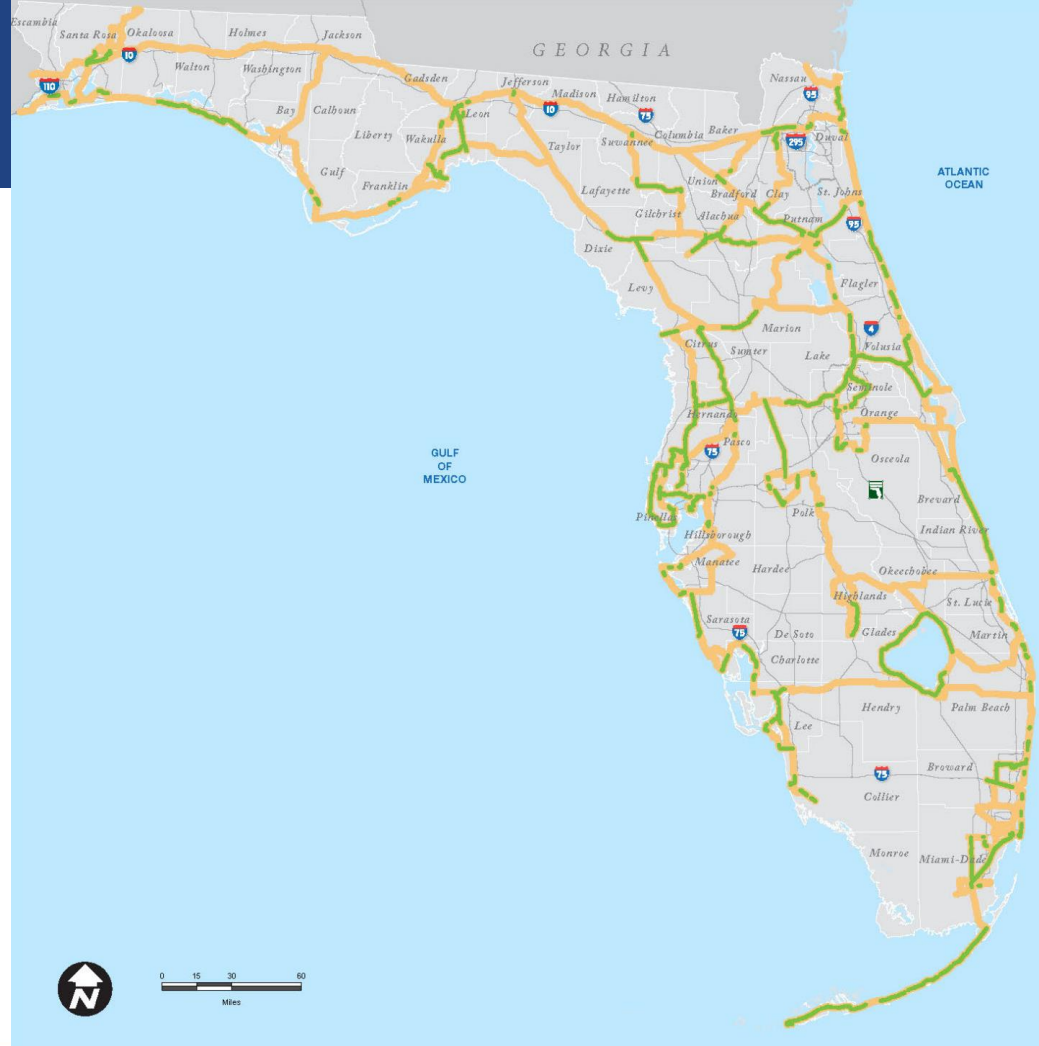
SUN TRAIL ELIGIBILITY CRITERIA

- Received through Grant Application Process (GAP)
- Paved multi-use trail within the SUN Trail network
- Priority of applicable jurisdiction
- Long-term trail manager
- Project concurrency



SUN TRAIL NETWORK & EXISTING TRAILS

- Program established in 2015
(*Section 339.81, Florida Statutes*)
- Network aligns with DEP's Florida Greenways and Trails System Plan
(*Chapter 260, Florida Statutes*)



BY THE NUMBERS

- Full SUN Trail network plan is approximately 4,000 miles
- Approximately one-third of the SUN Trail network is open to users
- 25 projects fully completed since 2015
- 38 projects funded in current Work Program
- 45 projects planned for future development
- From 2017 to 2027, the Work Program includes over \$303 million project phases funded by SUN Trail program



PARTNERSHIP PROJECTS

- Requires close coordination at local, state, and federal levels
- Trails are tailored to each community and their vision
- The Coast-to-Coast Trail and the St. Johns River-to-Sea Loop are two large-scale examples of collaborative efforts with partners throughout the state



Edgewater Trail – Dale Avenue



East Central Regional Rail Trail



Fred Marquis Pinellas Trail



Palatka to Lake Butler State Trail

QUESTIONS?



FloridaSUNTRAIL.com



1/17/2023

Meeting Date

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Committee

The Florida Senate APPEARANCE RECORD

Deliver both copies of this form to
Senate professional staff conducting the meeting

Bill Number or Topic

Amendment Barcode (if applicable)

Name **Brad Thoburn**

Phone **850-414-5242**

Address **605 Suwannee Street**

Street

Email **brad.thoburn@dot.state.fl.us**

Tallahassee

FL

32399

City

State

Zip

Speaking: For Against Information

OR

Waive Speaking: In Support Against

PLEASE CHECK ONE OF THE FOLLOWING:

I am appearing without compensation or sponsorship.

I am a registered lobbyist, representing:

Florida Department of Transportation

I am not a lobbyist, but received something of value for my appearance (travel, meals, lodging, etc.), sponsored by:

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This form is part of the public record for this meeting.



Electric Vehicle Infrastructure Update

Trey Tillander, P.E.

FDOT Executive Director of
Transportation Technology

Senate Committee on Transportation
January 17, 2023



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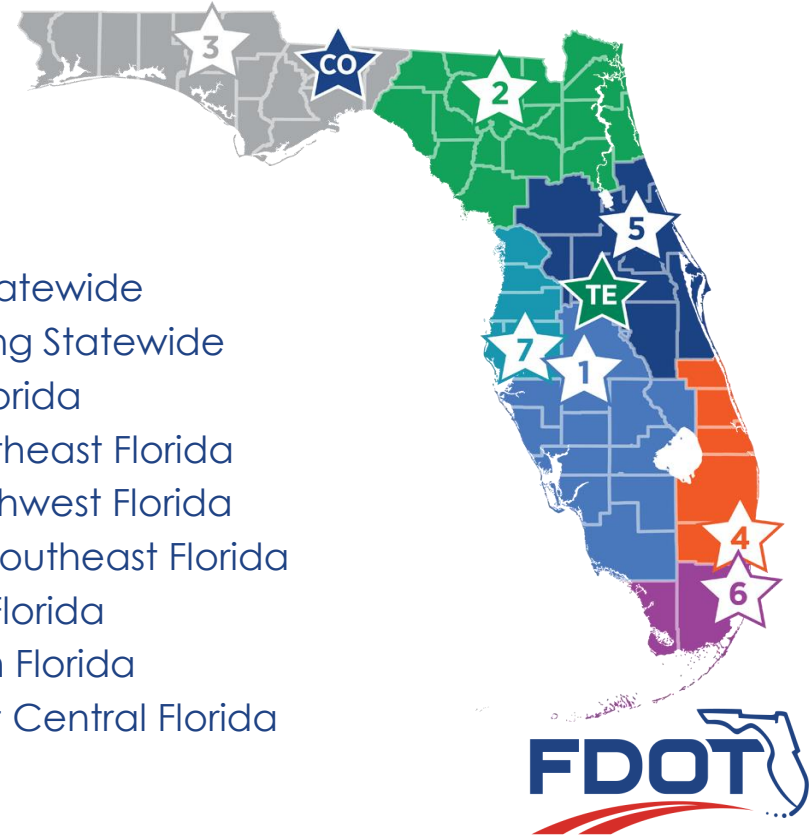


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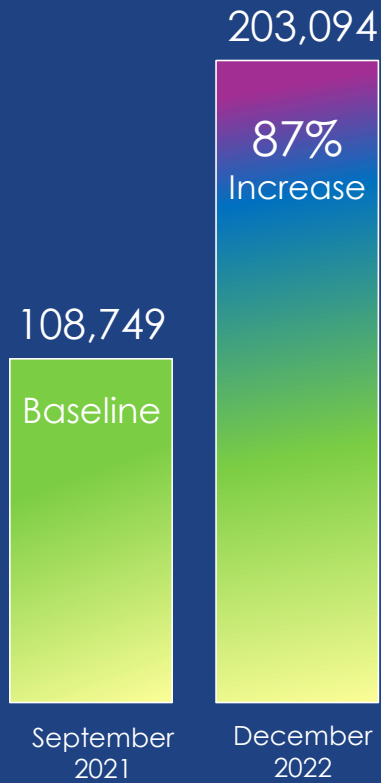
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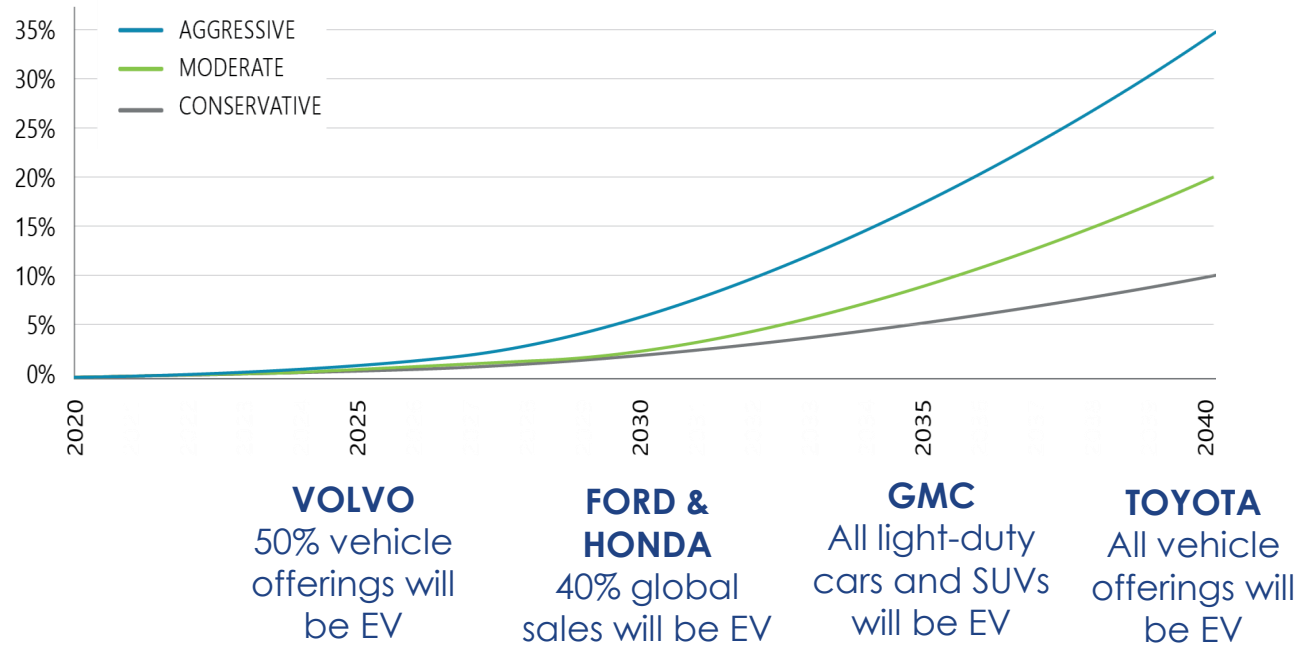


CURRENT STATE: EV MARKET ADOPTION

Florida EV Registrations



FDOT MA3T Model with Industry Projections



ELECTRIC VEHICLE TECHNOLOGY

Type	Charge Rate
Level 1 Charger	Slower charging speed – 8 hours to full charge
Level 2 Charger	Slower charging speed – 2 hours to full charge
DCFC	Fast charging speed – 30 minutes to full charge

Focus of current EV Initiative:
Direct Current Fast Charging (DCFC)

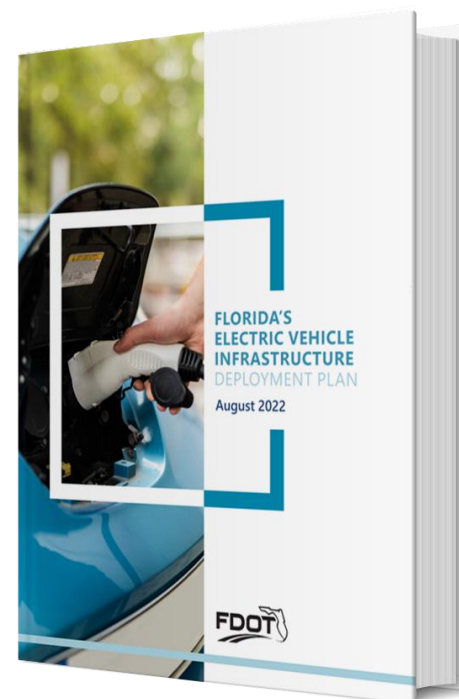


Formula Program

- National EV Infrastructure Program
- \$5 billion to state DOTs over five years
- \$198 million to Florida over five years

Discretionary Grant Program

- \$2.5 billion nationally
- Program to include Community Charging and Corridor Charging
- Metropolitan Planning Organizations, local governments, and Tribes
- *Pending guidance from USDOT*



THE FUTURE OF EV IN FLORIDA

Promote energy sources for transportation fuels.

Expand EV charging access to all users.

Enhance transportation options, including for rural and disadvantaged communities.

Build upon Florida's robust transportation system.



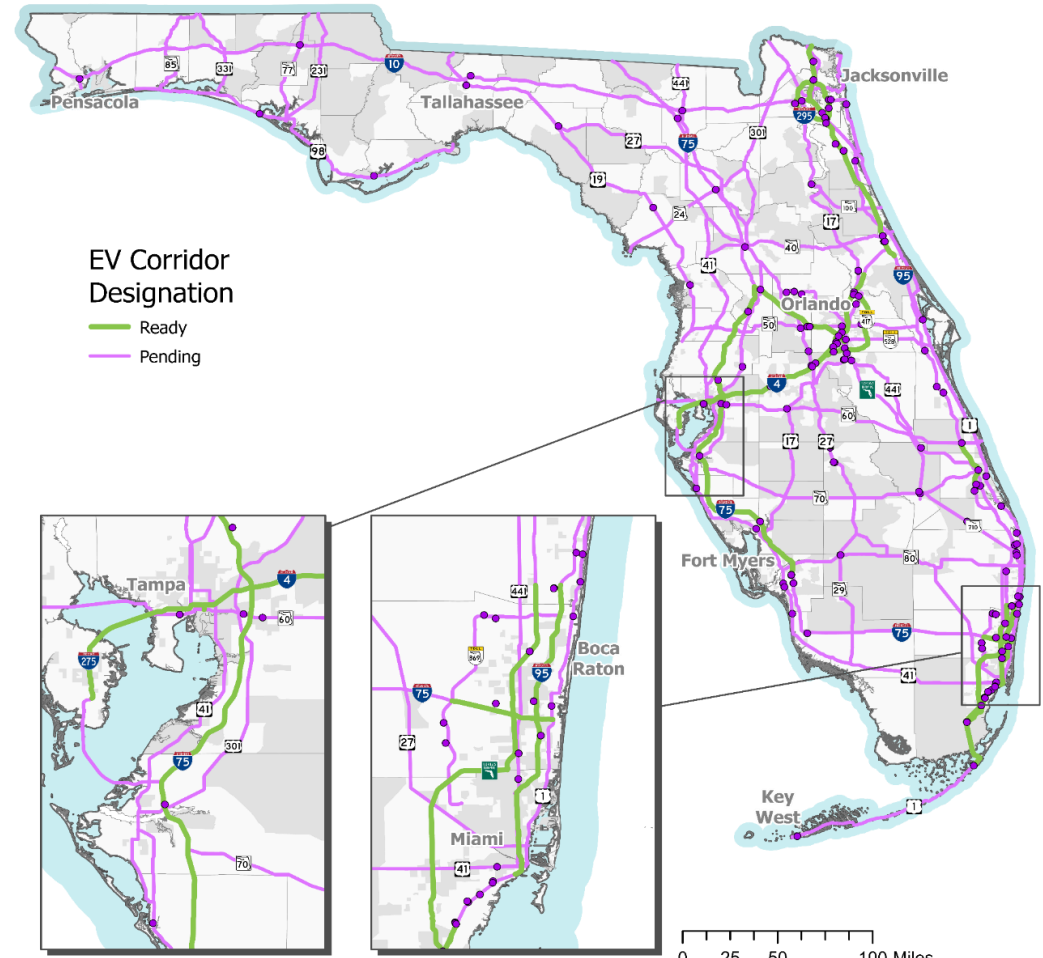
SYSTEMS APPROACH



6,168 Total Miles of Alternative Fuel Corridors



Opportunities for Florida Communities



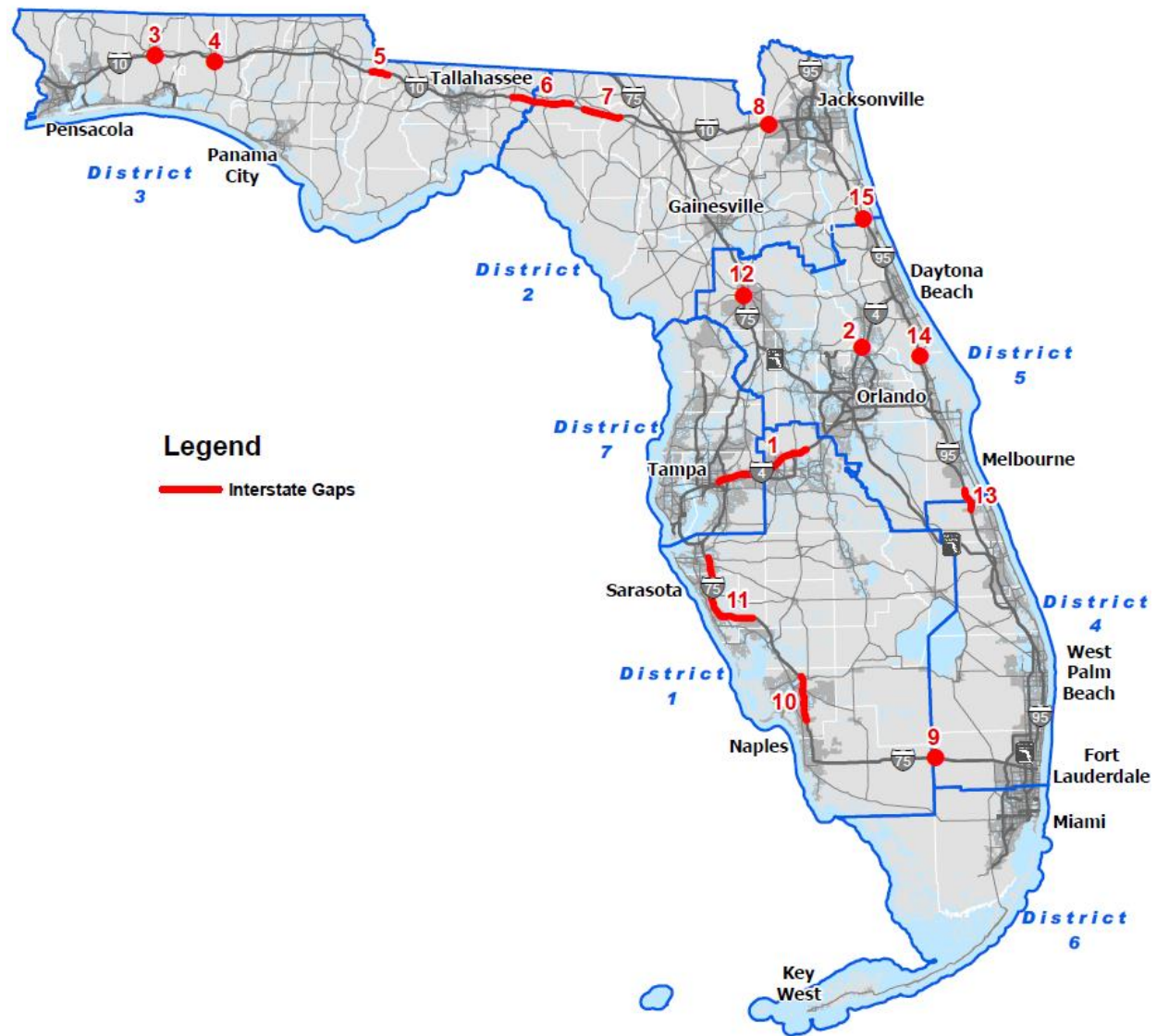
Electric Vehicle Corridor Designations

IMPLEMENTATION APPROACH

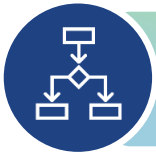
- Identify Alternative Fuel Corridor Gaps
- Focus on Initial Interstate AFC Gaps (First Phase)
- Focus on Remaining AFC Gaps (Future Phases)
- Deployment Phases to Coincide with NEVI Funding



FIRST PHASE IMPLEMENTATION: ADDRESS MAJOR INTERSTATE GAPS



CURRENT STATUS AND NEXT STEPS FOR GRANT PROGRAM



Competitive selection process



Prioritize sites that are ready



Multiple sites selected through the process



Payment plan



Meets industry's request for clear, competitive, replicable process



FDOT will not own or operate the EV chargers



A close-up photograph of a white electric vehicle (EV) being charged at a station. The charging cable is plugged into the car's port, which is illuminated with a bright green glow. The background is dark with green light trails and bokeh effects, suggesting a modern, high-tech environment. The word "EV" is visible on the charging port cover.

QUESTIONS?

FDOT.gov



1/17/2023

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Bill Number or Topic

Amendment Barcode (if applicable)

Name **Trey Tillander**

Phone **850-414-4772**

Address **605 Suwannee Street**

Street

Email **trey.tillander@dot.state.fl.us**

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CourtSmart Tag Report

Room: SB 110

Case No.:

Type:

Caption: Transportation Committee

Judge:

Started: 1/17/2023 1:31:37 PM

Ends: 1/17/2023 2:25:37 PM

Length: 00:54:01

1:31:40 PM Chair DiCeglie calls meeting to order
1:31:51 PM CAA calls roll and announces quorum
1:32:05 PM Pledge of Allegiance
1:32:27 PM Chair DiCeglie with opening comments
1:34:13 PM Chair DiCeglie opens for member introductions
1:34:26 PM Senator Torres in introduction
1:35:14 PM Senator Burton in introductions
1:35:43 PM Vice Chair Davis in introductions
1:36:22 PM Senator Boyd in introductions
1:36:46 PM Senator Gruters in introductions
1:37:09 PM Senator Pizzo in introductions
1:38:06 PM Senator Trumbull in introductions
1:39:07 PM Chair DiCeglie in comments on great staff
1:39:50 PM Tab 2 Overview of Committee Jurisdiction by Rob Vickers
1:40:08 PM Rob Vickers, Staff Director of Transportation Committee presents
1:43:01 PM No questions
1:43:04 PM Tab 3 Presentation by FDOT Shared-Use Nonmotorized Trail Program
1:43:54 PM Brad Thoburn, FDOT Assistant Secretary, Strategic Development presents
1:59:05 PM Senator Pizzo in questions
1:59:24 PM Mr. Thoburn responds
2:00:02 PM Senator Pizzo follow up
2:00:09 PM Mr. Thoburn responds
2:00:25 PM Senator Torres in questions
2:00:34 PM Mr. Thoburn responds
2:01:16 PM Senator Torres follow up
2:01:37 PM Mr. Thoburn responds
2:02:14 PM Senator Torres follow up
2:02:19 PM Mr. Thoburn responds
2:03:00 PM Senator Torres follow up
2:03:14 PM Mr. Thoburn responds
2:04:01 PM Chair DiCeglie in questions
2:04:16 PM Mr. Thoburn responds
2:04:46 PM Chair DiCeglie in comments
2:05:26 PM Tab 4 Presentation by FDOT on Electric Vehicle Charging Infrastructure
2:05:43 PM Trey Tillander, FDOT Director of Transportation Technology presents
2:16:46 PM Chair DiCeglie in questions
2:17:10 PM Mr. Tillander responds
2:17:23 PM Chair DiCeglie in follow up
2:17:43 PM Mr. Tillander responds
2:18:03 PM Senator Boyd in questions
2:18:17 PM Mr. Tillander responds
2:18:40 PM Senator Pizzo in questions
2:18:48 PM Mr. Tillander responds
2:19:24 PM Senator Pizzo in follow up
2:19:33 PM Mr. Tillander responds
2:20:01 PM Vice Chair Davis in questions
2:20:18 PM Mr. Tillander responds
2:21:42 PM Senator Hooper in questions
2:21:49 PM Mr. Tillander responds
2:22:13 PM Senator Hooper in follow up
2:22:37 PM Mr. Tillander responds
2:23:36 PM Senator Torres in questions

2:24:22 PM Senator Pizzo in questions
2:24:38 PM Mr. Tillander responds
2:25:18 PM Vice Chair Davis moves to adjourn
2:25:28 PM Meeting adjourned



THE FLORIDA SENATE

Tallahassee, Florida 32399-1100

COMMITTEES:

Appropriations, *Chair*
Appropriations Committee on Education
Banking and Insurance
Finance and Tax
Health Policy
Judiciary
Rules
Transportation

JOINT COMMITTEE:

Joint Legislative Budget Commission, *Alternating Chair*

SENATOR DOUG BROXSON

1st District

January 18, 2023

The Honorable Nick DiCeglie, Chair
Committee on Transportation
410 Knott Building
404 South Monroe Street
Tallahassee, FL 32399-1100

Dear Chair DiCeglie,

I respectfully request an excused absence from the Committee on Transportation meeting on January 17, 2023.

Please let me know if I may be of any further assistance with this request.

Respectfully,

A handwritten signature in black ink, appearing to read "Doug Broxson".

Senator Doug Broxson
District 1

REPLY TO:

- 418 West Garden Street, Room 403, Pensacola, Florida 32502 (850) 595-1036
- 208 Senate Building, 404 South Monroe Street, Tallahassee, Florida 32399-1100 (850) 487-5001

Senate's Website: www.flsenate.gov

KATHLEEN PASSIDOMO
President of the Senate

DENNIS BAXLEY
President Pro Tempore