

FLORIDA AUTOMATED VEHICLES

2025 SUMMIT

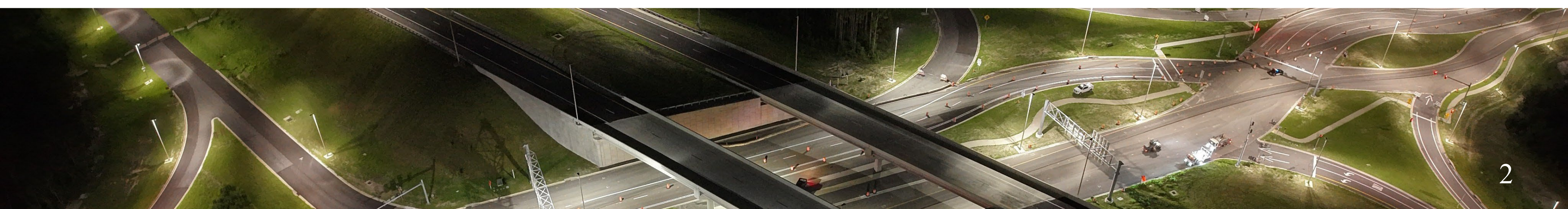


Florida Department of Transportation
Secretary Jared W. Perdue, P.E.
November 6, 2025



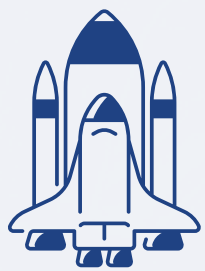
PRESENTATION OVERVIEW

- Florida Leads
- Current Budget
- Being a Voice for Our Industry & Communities
- Innovating Transportation
- International Trade Missions
- Federal Reauthorization
- Power of Partnerships



A LEADER IN TRANSPORTATION

We know what it means to have a world-class transportation system



MOST SPACE LAUNCHES IN THE WORLD



12,273 TOTAL STATE-MAINTAINED LANE MILES ACROSS FLORIDA



3 LARGEST CRUISE PORTS IN THE WORLD



ONLY STATE WITH 4 LARGE-HUB COMMERCIAL AIRPORTS



2ND HIGHEST AVIATION PASSENGER BOARDINGS IN THE U.S.



MOST MEGA PROJECTS IN FDOT'S HISTORY (MEGA PROJECT = \$500M+)



CURRENT BUDGET

FY 2025-2026

\$15.1
BILLION
Total Transportation Investments



Includes an Investment of
\$13.7 BILLION
for FDOT's Work Program



Highway Construction
\$5.4 B



Resurfacing
\$1.5 B



Bridge Maintenance
\$961.2 M



Rural Infrastructure
\$182.2 M



Seaports
\$120.7 M



Rail/Freight
\$267.4 M



Aviation
\$254.9 M



Spaceports
\$90.5 M



Florida Trails
\$275.1 M



Safety Enhancements
\$253.8 M



FIVE-YEAR WORK PROGRAM

FY 2026-30

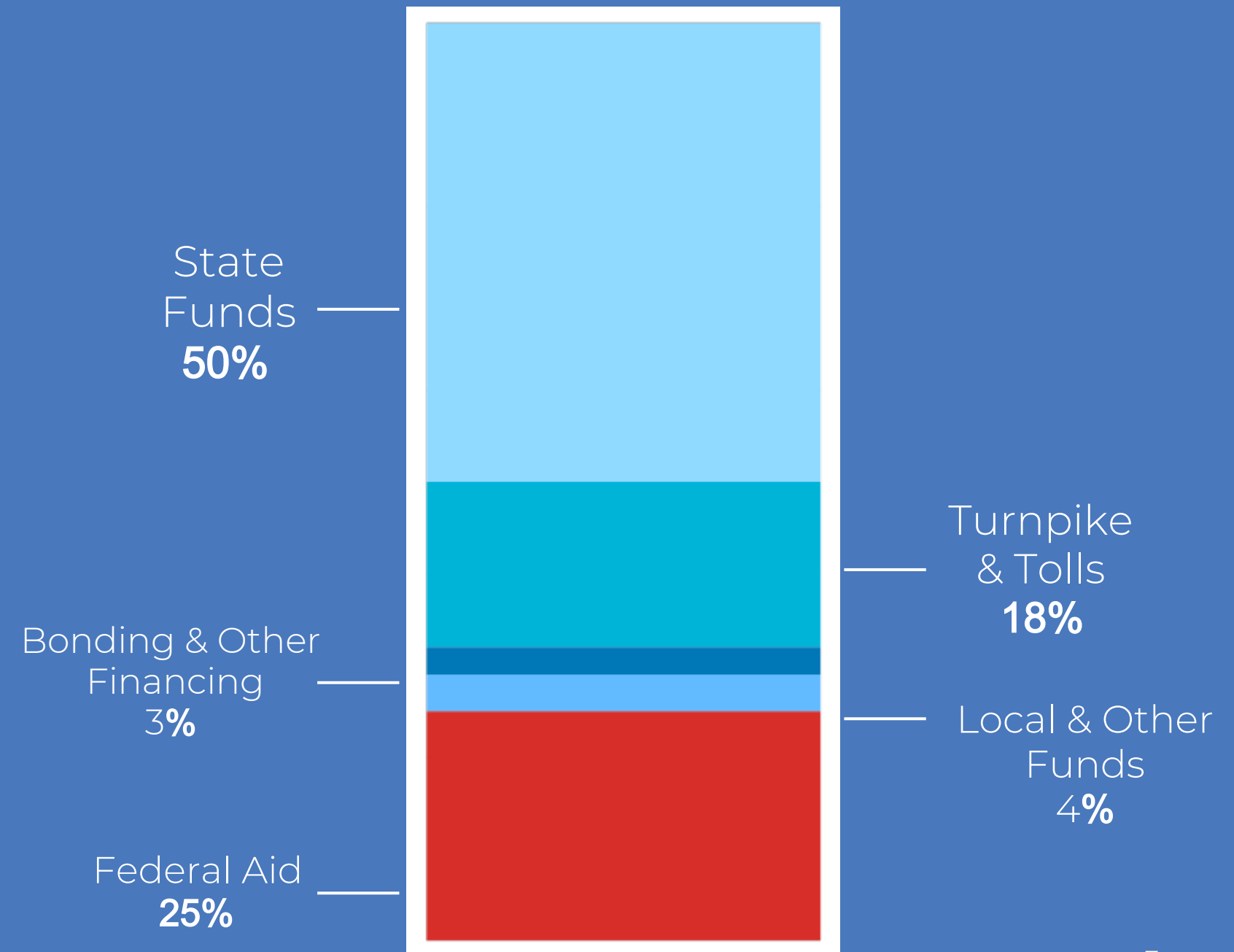
**\$68.06
BILLION**



FDOT'S FUNDING SOURCES

75%
STATE FUNDING

25%
FEDERAL FUNDING



BEING A VOICE FOR OUR INDUSTRY & COMMUNITIES

2025 LEGISLATIVE SESSION RECAP



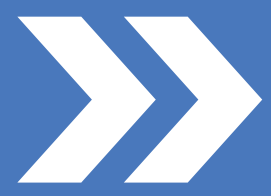
1,989
TOTAL BILLS
FILED



269
BILLS
PASSED



85
LEGISLATORS
MET



The **2026 Legislative Session** is starting soon & FDOT is ready to advocate for the transportation needs of our communities!

SECURING LEGISLATIVE RECOGNITION & SUPPORT

FDOT's Department Bill, **Senate Bill 1662**, was **one of only 13%** of bills that passed this Session.



2025 LEGISLATIVE SESSION

SENATE BILL 1662 HIGHLIGHTS

FLORIDA TRANSPORTATION ACADEMY

- Leverages state resources and industry best-practices to offer certifications, on-the-job training, and meaningful career paths within the transportation industry.
- Creates a pipeline to enter directly into the transportation industry workforce.

Transformative training programs for inmate, at-risk youth, & veterans



FLORIDA TRANSPORTATION RESEARCH INSTITUTE

- Creates an institute of highly-skilled and motivated intellectuals in the transportation research industry.
- Consortium of universities will work directly with FDOT to develop, research, and implement projects.

University of Central Florida, University of Florida, University of South Florida, Florida International University, & Indian River State College





2025 LEGISLATIVE SESSION

SENATE BILL 1662 HIGHLIGHTS

ADVANCED AIR MOBILITY

STRATEGIC ACTION PLAN ANNOUNCED IN JUNE

Developing the nation's first operational AAM Aerial Highway Network

Expanding SunTrax to serve as AAM Research & Development Hub

Establishing policies & procedures for safe AAM operations

Building first - in - the - nation vertiport infrastructure to support AAM flights



SUNTRAX TESTING FACILITY

SUNTRAX Air Ground

- Real-world testing scenarios for connected & automated vehicle technology within a safe & controlled environment
- Technology testing for high-speed crash avoidance scenarios, basic sensor configuration, and Kinematic & LiDAR-Radar detection

1ST RESEARCH & DEVELOPMENT FACILITY IN THE U.S. FOR BOTH SURFACE & AIR TECHNOLOGY





CONNECTED AND AUTOMATED VEHICLES PROGRAM

Technologies include:

- Wireless Communications
- Signal Phase and Timing (SPaT)
- Roadside Units
- On-Board Units
- Freight Signal Priority
- Transit Signal Priority
- Emergency Vehicle Preemption
- Vehicle Sensors
- Global Positioning System Navigation



Projects/Initiatives

Statewide Project/Initiative

FDOT Led Projects
Partner Agency Led Projects

Legacy/Retired

- 1 Near Miss Identification Safety System (N-MISS)
- 2 Gainesville AV Shuttle
- 3 Osceola County CV Signals
- 4 CAV Projects (ATMA)
- 5 Downtown Tampa Autonomous Transit
- 6 HART AV
- 7 AV Shuttle at PSTA

Planning

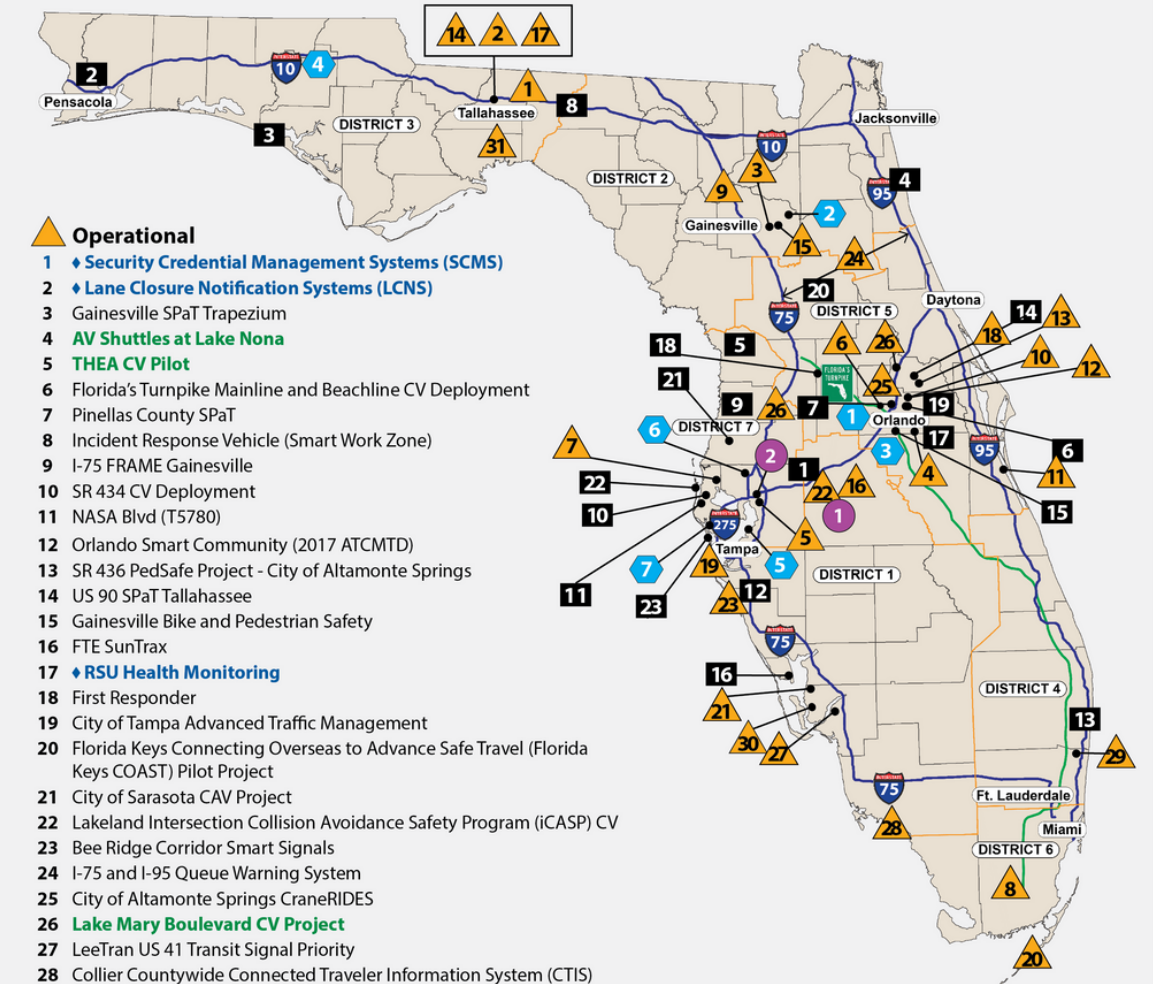
- 1 District 1 CV Master Plan
- 2 Hillsborough County Connected Vehicle Priority and Preemption Program (CVPP)

Design/Implementation

- 1 I-4 FRAME (2019 ATCMTD)
- 2 Davis Highway CAV
- 3 US 98 Smart Bay
- 4 Smart St. Augustine
- 5 Bicycle Detection Pilot Program
- 6 State Road 423 Freight Signal Priority
- 7 SODATOP (E59A5) - Smart Orlando Downtown Advanced Traffic Operations Performance
- 8 I-10 Smart Road Ranger
- 9 District 7 Integrated Corridor Management
- 10 Pinellas SR 60 West Coast Smart Signal Corridor Project
- 11 Pinellas County Smart Community (2020 ATCMTD)
- 12 Sarasota County - SR 780 Fruitville Rd and US-41 Tamiami Trail
- 13 SR-869/SW 10th Street Connector TSM&O SWZ
- 14 U.S. 17-92 Connected Vehicle Deployment
- 15 Ped/Safe II U.S. 441/State Road 50
- 16 SR 29 Wildlife Detection
- 17 Bluetooth to RSU Conversion in Orange and Osceola Counties
- 18 CV Smart Signal - Lake County
- 19 FL511 Mobile App CV
- 20 SR-40 ITS Safety Deployment (E54F0)
- 21 Pasco County SMART US-19
- 22 City of Clearwater Pedestrian Warning System
- 23 City of St Petersburg Smart Signal Corridor Project

Operational

- 1 Security Credential Management Systems (SCMS)
- 2 Lane Closure Notification Systems (LCNS)
- 3 Gainesville SPaT Trapezium
- 4 AV Shuttles at Lake Nona
- 5 THEA CV Pilot
- 6 Florida's Turnpike Mainline and Beachline CV Deployment
- 7 Pinellas County SPaT
- 8 Incident Response Vehicle (Smart Work Zone)
- 9 I-75 FRAME Gainesville
- 10 SR 434 CV Deployment
- 11 NASA Blvd (T5780)
- 12 Orlando Smart Community (2017 ATCMTD)
- 13 SR 436 PedSafe Project - City of Altamonte Springs
- 14 US 90 SPaT Tallahassee
- 15 Gainesville Bike and Pedestrian Safety
- 16 FTE SunTrax
- 17 RSU Health Monitoring
- 18 First Responder
- 19 City of Tampa Advanced Traffic Management
- 20 Florida Keys Connecting Overseas to Advance Safe Travel (Florida Keys COAST) Pilot Project
- 21 City of Sarasota CAV Project
- 22 Lakeland Intersection Collision Avoidance Safety Program (iCASP) CV
- 23 Bee Ridge Corridor Smart Signals
- 24 I-75 and I-95 Queue Warning System
- 25 City of Altamonte Springs CraneRIDES
- 26 Lake Mary Boulevard CV Project
- 27 LeeTran US 41 Transit Signal Priority
- 28 Collier Countywide Connected Traveler Information System (CTIS)
- 29 Train Vehicle Crash Avoidance Pilot Project
- 30 US 41 FRAME
- 31 Data Exchange Platform for Operations Technology (DEPOT)



Scan here for the full map of CAV Deployments



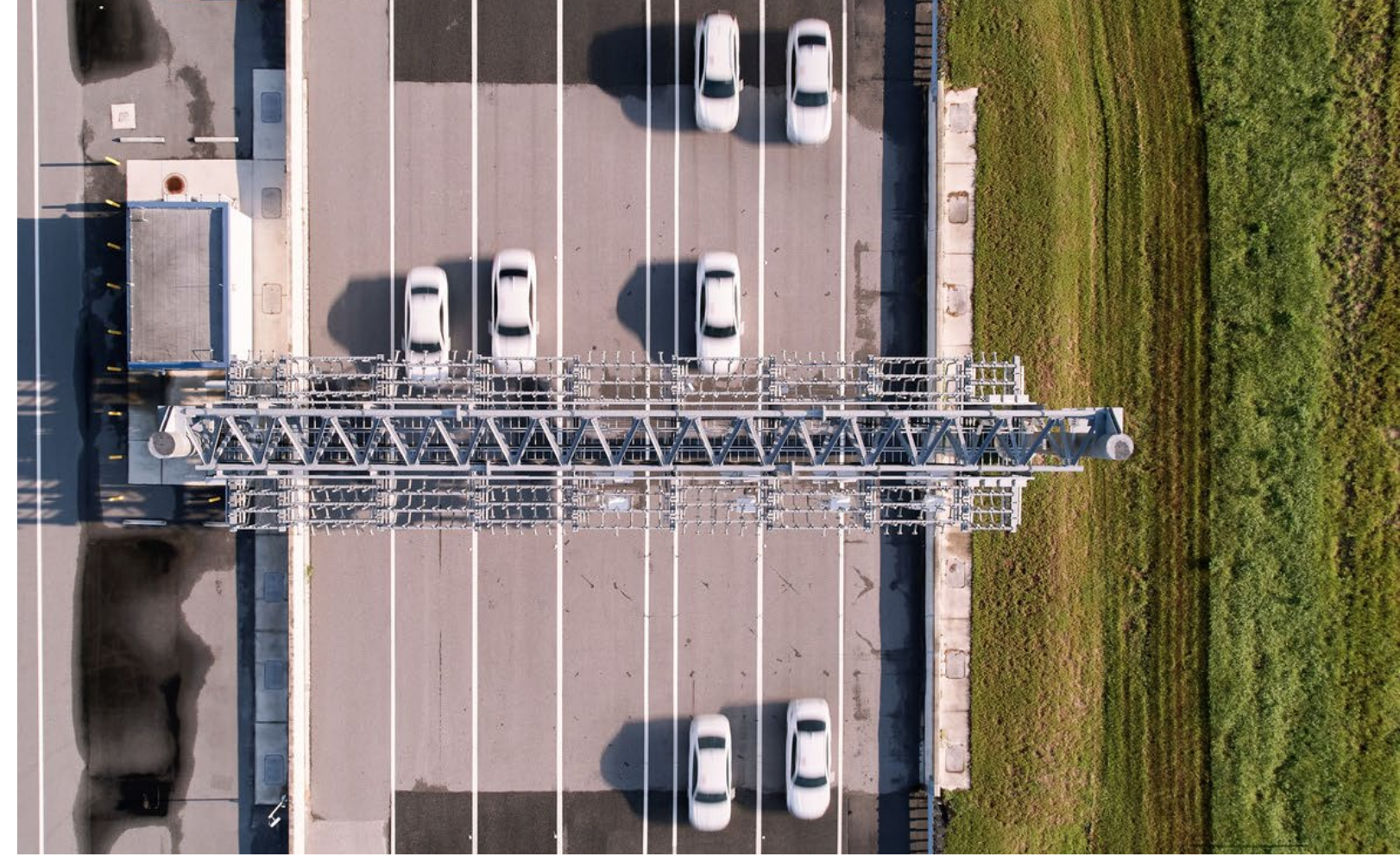


INNOVATING TRANSPORTATION



EMERGING TECHNOLOGY

- Autonomous Vehicle Technology
- Advanced Technology Policies
- Advanced Technology for Emergency Response
- Advanced Air Mobility
- Drone Technology
- Wrong Way Driving Technology
- Lane Closure Notification System
- Smart Work Zones



INNOVATING TRANSPORTATION

How our nimble team is keeping up with growing needs

INNOVATION IN PROJECT DELIVERY



- Congestion Relief Lanes
- Modified Phased Design-Build
- Voluntary Acceleration
- Structured Acceleration
- Risk Management in Construction
- Partner Roundtables

RESEARCH & INNOVATION



- Aggregate Grant Program
- Transportation Research Institute
- State Materials Office
- SunTrax
- Traffic Engineering Research Laboratory
- SWIFTT Challenge
- Partner Coalitions & Working Groups

WORKFORCE DEVELOPMENT



- Florida Transportation Academy
- On-Site Hiring Events
- Construction Career Days
- Student STEM Classes
- Moving I-4 Forward Academy & Campus
- Learning Labs
- Walk-In Recruitment Center

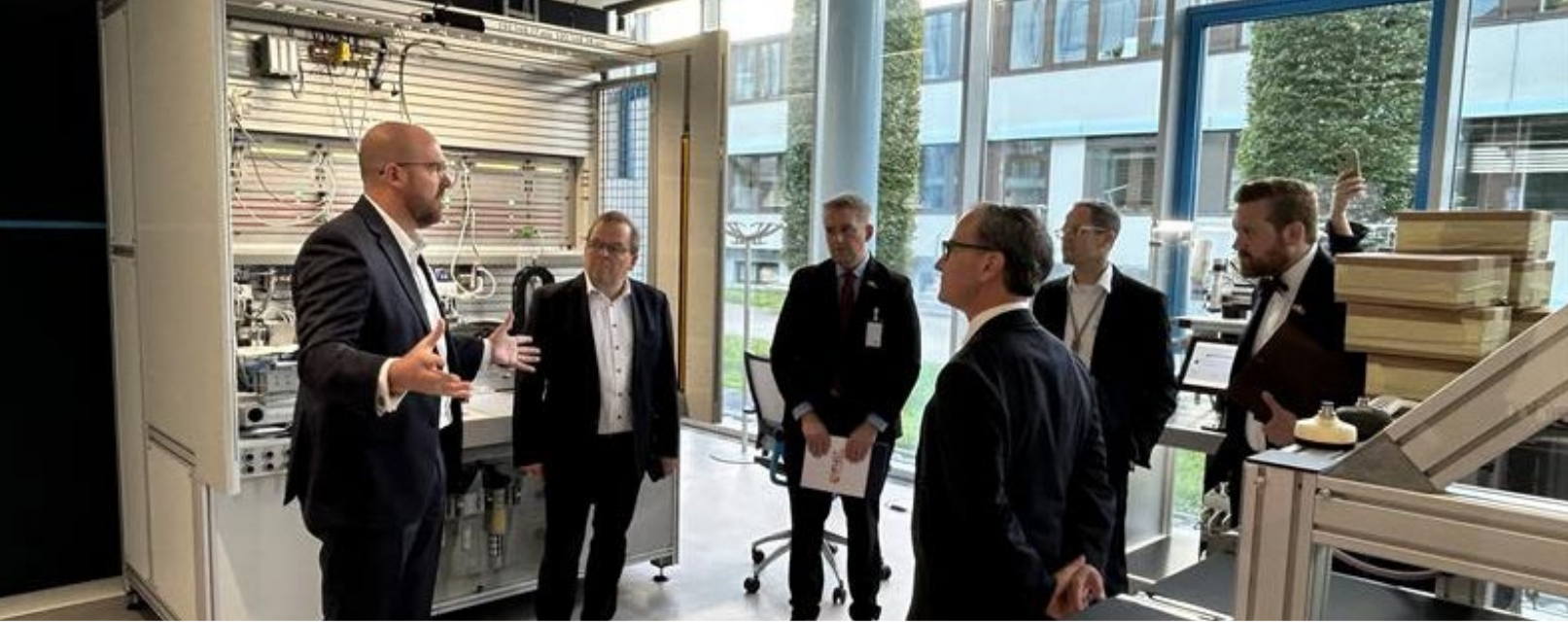


FLORIDA: A GLOBAL LEADER

Strengthening international trade relationships & attracting foreign investments

ITALY | SEPTEMBER 2025

- Conducted 2nd Italy-Florida MOU Working Group
- Opening of the Genoa International Boat Show
- Exchange of Best Practices in Port Innovation
- Establishment of New Trade Opportunities



FRANCE, GERMANY, & THE UNITED KINGDOM | JUNE 2025

- Paris Airshow
- Department Bill Signing
- Advanced Air Mobility





FEDERAL REAUTHORIZATION

New Administration = Refocus on What Transportation Should Be.



FEDERAL PRIORITIES SENT TO CONGRESS IN APRIL

Florida's Strategic Approach

- Focus on formula-based transportation programs
- Reduce number of discretionary grant programs
- Consider program consolidation or elimination
- Increase flexibility for states
- Reduce administrative burdens
- Improve execution of Buy America
- Recommend policies based on transportation systems performance
- Emphasis on technology and digital infrastructure
- Consider opportunities to streamline redundant and burdensome regulatory processes





POWER OF PARTNERSHIPS





THANK YOU

