



Wednesday, May 31, 2023

Welcome Session

FDOT Secretary Address

Jared W. Perdue, PE – Secretary, FDOT

Presentation Outline:

- FDOT Mission and Compass (Core Focus Areas)
- FDOT's Budget for FY 2023-2024
- Florida's Continued Population Growth (Impacts on the transportation system)
- Moving Florida Forward

Florida Transportation Builders' Perspective

Keith Waugh - Chairman, Florida Transportation Builders Association

Presentation Summary: FTBA statements on the industry and the work program, ongoing collaboration with FDOT, and legislative update.

ACEC Florida's Perspective

Paul Foley, PE - Transportation Committee Chair, ACEC Florida

Presentation Outline:

1. Summarize FDOT WP
 1. \$10m FY 22
 2. \$15m FY 23
 3. Proposed \$13.7m + MFF FY 24 - Tentative
2. ACEC FDOT Items worked on
 1. Consultant Grading for Design Revamp almost complete - Started in January 2017
 2. Continuing our partnership in 3D Model Training for design
 3. Working on 3D Model Training for Construction
 4. Working on revamping design staff hours for 3D
 5. Changes to Design Build Specifications
 1. Percent complete for concept plans
 2. Reliance on concept plans
 3. Project Specific Professional Liability Insurance
 6. Adjustments to the OM calculation
3. Upcoming cooperation
 1. Changes to training for TCP certification for designers
 2. Bring back Mutual Gains Training
4. Summarize Conference Theme (Resiliency and Adaptation) and upcoming presentations
5. Note upcoming OPA and significant effort for judges to read and score all submittals

Federal Transportation Perspective

Matt Reiffer - Vice President, Infrastructure Programs, ACEC

Jamie Christian, PE - Division Administrator, Federal Highway Administration, Florida, Puerto

12:30 pm – 2:30 pm

2 PDH's

Rico, & Virgin Islands

Presentation Summary: Matt will provide an update on key federal legislative and regulatory issues, including implementation and oversight of the Infrastructure Investment and Jobs Act, reauthorization of Federal Aviation Administration programs including airport funding, and the federal transportation budget outlook for 2023.

Presentation Outline

- Discuss the latest national transportation issues and trend FHWA is involved in
- Provide an overview of the latest FHWA policy changes on the Federal-Aid program
- Discuss specific Federal-Aid funding and engineering issues specific to the FHWA Florida Division and the state of Florida

Keynote: Solidifying the Foundation of a more Resilient Florida

Wesley R. Brooks, PhD – Chief Resilience Officer, State of Florida

Presentation Summary: Florida’s vulnerability as a low-lying, storm prone state has been underscored in recent months by Hurricanes Ian and Nicole, and record rainfall over Ft. Lauderdale. In recognition of these challenges, under Governor DeSantis’ leadership, the state of Florida has advanced a comprehensive and pragmatic approach to risk-based flood resilience and mitigation. Chief Resilience Officer Wes Brooks will spotlight key state resilience programs and efforts already underway and will also lend insights into the evolution of resilience coordination across government in the Sunshine State. Florida’s record investments in support of local planning and adaptation to current and future flood risks, and new, second term initiatives announced by Governor DeSantis aim to solidify the foundation of a more Resilient Florida.

4:00 pm – 5:30 pm
1.5 PDH’s

Technical Session #1 Adaptation

Session #1a: Hurricane Ian Recovery

Kati C. Sherrard, PE, CPM – Corridors Program Engineer, FDOT District One
Thomas Shaw, PE – Senior Vice President/Director of Production, Kisinger, Campo & Associates

Presentation Summary: Hurricane Ian forever changed the coastal landscape in Southwest Florida. Industry experts and professional engineers have analyzed Hurricane Ian data and provided design recommendations for permanent repairs regarding resiliency, aesthetics, and functionality of the Sanibel Causeway islands. The repair plan entails building the roadway to standards and specifications; constructing permanent bridge approaches; and restoring drainage, lighting, pavement markings, as well as providing access for utility service along the islands. While the project will reconstruct a more resilient design, the goal is to protect the natural environment from corroding shorelines while meeting the community’s needs such as safe recreational areas for residents and visitors to enjoy.

Hurricane Ian also impacted other Lee County coastal bridges along Ft. Myer’s Beach, Estero Island, and Lover’s Key. Immediately after the storm, KCA performed emergency inspections, post-storm analysis, and rapid response repair plans for several Lee County bridges to quickly restore access to the coastal communities. Repair plans, emergency permitting, and emergency reconstruction were completed within four weeks for the following bridge locations:

- Big Carlos Pass
- Little Carlos Pass
- Big Hickory Pass
- New Pass
- Cape Coral

Session #1b: Phase Design Build

Larry Ritchie – Alternative Contracting, Contract Administration Support, Contract Modifications, FDOT
Mary Lou Godfrey, PE – TB Next Program Manager, FDOT District Seven
Austin Petersen – Construction Senior Project Manager, FDOT District Seven

Presentation Summary: Today, Tampa’s Westshore Interchange has significant safety and traffic problems due to limited capacity and an outdated design of I-275 and SR 60. This interchange is a regional hub where commuter, freight and tourism traffic converge for the region. The new 4-level interchange will include both general purpose and express lanes and ramps to serve the projected regional growth. Improvements also include reconnecting three local streets under I-275, aesthetic features and shared use path connections. The project includes 36 new bridges, 21 new/reconstructed ramps, 6 miles of retaining walls, 3 million cubic yards of embankment and a total of 66 lane miles of new/constructed pavement. The Department determined that the project complexities, size, duration, and risks are best addressed through a Phased Design Build procurement and delivery, the first in Florida for a complex road and bridge project. This presentation will provide insight into the factors and reasoning for selecting the Phased Design Build method, the unique aspects of the RFQ and procurement process and the requirements and expectations during the three phases of project delivery: Planning phase, Preconstruction phase and Construction phase.

Session #1c: Deliverables

Vern Danforth, PE – State CADD Engineer/Coordinator, FDOT
 Ashley Anderson, PE – Construction Final Estimates Engineer, FDOT
 John Hardy, PE – Project Manager, FDOT District Two
 Daniel McCranie, PE – Vice-President, McCranie & Associates, Inc.

Presentation Summary:

1. Field production.
2. Model uses and future improvements.
3. Change Orders.
4. Field problem resolution with model.
5. UTS V. GPS system limitations.
6. Details provided in contract (Model or otherwise).
7. Equipment limitations.
8. Personnel needs.
9. Communication with the Department.
10. Project quality.
11. Cost of doing business.

Thursday, June 1, 2023

10:30 am –11:50 am
 1.5 PDH’s

Technical Session #2 Resiliency Through Technology
Session #2a: Electric Vehicles

V.Y. “Trey” Tillander III, PE – Executive Director of Transportation Technology, FDOT

Presentation Summary: This presentation provides an overview of Florida’s EV infrastructure advancement efforts starting with the development of the Electric Vehicle Master Plan (EVMP) in 2021 and Electric Vehicle Infrastructure Deployment Plan (EVIDP) in 2022. The next phase of Florida’s EV infrastructure advancement, Phase I, is focused on addressing charger gaps along Florida’s Interstate Highway System/Alternative Fuel Corridors. To accomplish this, Florida Department of Transportation (FDOT) is developing a Request for Applications (RFA) inviting private industry to leverage resources and expertise to help deliver Florida’s next generation EV charging network. This process will be presented along with the schedule and next steps.

Session #2b: Connected Vehicles

Raj Ponnaluri, PhD, PE, PTOE, PMP – Manager, Emerging Technologies, FDOT

Presentation Summary: The Florida Department of Transportation is now into the fourth year of

its Connected Vehicle (CV) program following the publication of the Florida Connected and Automated Vehicle Business Plan in 2019. Partnering with public and private entities, FDOT has been instrumental in connecting Florida’s road users to provide safety and mobility options for all. From industry-leading research for pedestrian safety, to a first-of-its-kind data exchange platform, FDOT has been influential in the national conversation as CV technology continues to evolve.

Session #2c: Suntrax

Nicola Liquori – Executive Director and Chief Executive Officer, Florida’s Turnpike Enterprise

Presentation Summary:

- SunTrax Technology Test Facility –Background of the Turnpike Enterprise test facility purpose, feature, impact on transportation technology
- Recent testing at SunTrax
- Upcoming Projects
 - PowerTrax
 - Full-time operations

Session #2d: Resilience Efforts & Integrated Funding

Jennifer Z. Carver, AICP – Statewide Resilience Planning Coordinator, FDOT

Presentation Summary: The presentation will provide an overview of FDOT resilience initiatives and implementation of the Department’s resilience policy, including the Resilience Action Plan and resilience funding resources.

11:50 am – 12:20 pm
.5 PDH

FDOT Work Program Overview

Lisa Saliba - Assistant Secretary for Finance and Administration, FDOT

Presentation Outline:

- Five Year Work Program Outlook
- Consultant Engineering Outlook
- Construction Lettings
- Federal Funding

Keeping the Production Pipeline Healthy