



# 2019 FDOT Transportation Symposium



Monday, June 3rd, 2019

10:00 AM General Session (Orange Ballroom) -- Address from FDOT Secretary Kevin Thibault, Technology in Transportation - April Blackburn, Traffic Engineering - Trey Tillander, Transportation Safety - Lora Hollingsworth, and FHWA Division Administrator Jamie Christian

11:30 AM Lunch Break in the Florida Ballroom, Hilton Outlets, or Surrounding area

	Orange A	Orange B/C	Orange D	Orange E	Orange F/G	Orlando IV	Orlando V	Orlando VI
1:00 PM	<b>Transit Project Delivery Process</b> Gabrielle Matthews and Victor Muchuruza	<b>Statewide Intersection and Lane Departure Efforts</b> Joe Santos, Alan El-Urfali, and Gevin McDaniel	<b>Design Considerations from a Construction Point of View</b> Amy Tootle and Rich Hewitt	<b>FDOT Statewide Non-Motorized Traffic Monitoring Program</b> Eric Katz, AICP	<b>Context Classification</b> DeWayne Carver	<b>Existing Feature Modeling (FDOT C3D)</b> Mike Racca	<b>FHWA Major Project Requirements</b> Diane Flowers and Greg Davis	<b>Anchorage Zone Design and Detailing from a Practical Perspective</b> Teddy Theryo, P.E.
2:00 PM	<b>Freight &amp; Operations</b> Marie Tucker and Jeff Frost	<b>UHPC Bridges in Florida</b> Steve Nolan and Todd Mitchell	<b>Doing More with Less: Implementing Complete Streets through Resurfacing Projects</b> Stephen Benson and Kelli Bradley	<b>Using Existing High Resolution Aerial LiDAR and Imagery for FDOT Design Surveys</b> Matthew LaLuzerne, PSM	<b>Basis of Estimates and Pay Item Updates</b> Melissa Hollis	<b>FDOT C3D Updates and Tips and Tricks</b> Randy Roberts	<b>Cultural Resources</b> Roy Jackson, Rebecca Spain-Schwarz, and Crystal Geiger	<b>Tri-County Trail Case Study</b> Gina Harvey, Mary Lou Godfrey, and Brian Pickard
3:00 PM	<b>Planning for Trees and Tree Maintenance on FDOT Roadways</b> Darryl Richard, LA	<b>Halls River Bridge Lessons Learned</b> Bren George (FHWA) and Zach Stringer	<b>Midblock Crosswalks</b> Trey Tillander and Alan El-Urfali	<b>Aligning FDOT Practices with the New ASPRS Positional Accuracy Standards for Digital Geospatial Data</b> Dr. Qassim Abdullah	<b>ADA in the 21st Century</b> Dean Perkins, RA, CPM	<b>Driveway and Ramp Modeling (FDOT C3D)</b> Mike Racca		<b>Noise</b> Mariano Berrios and Michael Sykes
4:00 PM	<b>PT System and Approval Process</b> Jaqueline Petrozzino-Roche and Scott Arnold	<b>What is FDOT's Connected and Automated Vehicles Business Plan?</b> Raj Ponnaluri	<b>Designing Sidewalks &amp; Shared Use Paths</b> MaryAnne Koos and Lorraine Moyle	<b>What is GIS in FDOT</b> Jared Causseaux	<b>U-turn Based Intersections to Reduce Crashes and Delay</b> Mark Doctor	<b>Bridge Modeling and Design Direction - AutoDesk</b> Dongming White and Edmundo Herrera	<b>Project Management for 3D Engineered Models including Quality Control Checklist</b> Vern Danforth, Mariano Amicarelli, and Bobby Bull	<b>Permits/Commitments</b> Jason Watts and Thu Clark

Tuesday, June 4th, 2019

7:30 AM		<b>FDOT CADD Support, CADD Manual and Training Updates, and FAQ's</b> Matt Sexton	<b>Transportation Systems Management and Operations (TSM&amp;O)</b> Clinton Smith		<b>Structures Manual</b> Jaqueline Petrozzino-Roche, Scott Arnold, and James Griffith		<b>Gopher Tortoise Relocation</b> Joseph Littell	
8:30 AM	<b>Community Aesthetic Features</b> Jeremy Fletcher and Jimmy Frimmel	<b>eTraffic and Engineering Safety</b> Alan El-Urfali and Javier Ponce	<b>New Sidewalks and Existing Trees</b> Shea Hansen and Justin Freedman	<b>Unlocking the ArcGIS Overlap Tool</b> Katrina Sadler	<b>Basics of Vessel Collision</b> Stephen Fowler and Matthew Kosar	<b>Survey Guidelines and Deliverables (FDOT ORD &amp; FDOT C3D)</b> John Hazlip	<b>ADA Design Guidance for Transit Facilities</b> Dean Perkins	<b>Cultural Resource Mitigation in Transportation Projects</b> Matthew Marino and Ian Pawn
9:30 AM	<b>Florida's Highway Guide Sign Program</b> Dana Knox	<b>Plans Reviewer Training</b> Rob Quigley	<b>Safe Systems Approach to Intersection Planning and Design</b> Mark Doctor	<b>When To Fly and When To Drive? Aligning Project Specifications with Lidar Mapping Technologies</b> Dr. Qassim Abdullah	<b>3D Modeling/BIM</b> Sam Fallaha and Dongming White	<b>Design and Modeling (FDOT ORD)</b> Todd Holt and Chris Thorp	<b>Specifications 201 - Developmental Specification Approvals</b> Rebecca Frimmel	<b>Overview of ETDM</b> Pete McGilvray, Ruth Roaza, and Brittany Bianco
10:30 AM	<b>Wonderwood Connector Bridge Post-Tensioning Tendons Investigations and Phase 1 Repair</b> Teddy Theryo, Ivan Lasa, Marcelino Aguirre, Daniel Rosa	<b>Scope and Staff Hours Overview</b> Bobby Bull	<b>Design Exceptions &amp; Variations: FDOT / Florida Greenbook</b> Mary Anne Koos and Brad Bradley	<b>Simultaneous Aerial Imagery and LiDAR Acquisition</b> Matthew LaLuzerne, PSM	<b>Safe Transportation for Every Pedestrian (STEP) Efforts in Florida</b> Joe Santos, Kevin Burgess, and more	<b>Plan Development Workflow (FDOT ORD)</b> Todd Holt and Chris Thorp	<b>Intro to PD&amp;E (Including NEPA Assignment)</b> Jason Watts and Marjorie Kirby	<b>Planning and Designing Connected Vehicle Projects for Safety and Mobility</b> Raj Ponnaluri
11:30 AM		<b>Roadsides - The Front Yard of the Nation</b> Jeff Caster	<b>Flexible Pavement / Materials</b> Rhonda Taylor and Howie Moseley	<b>Comparing OPUS to FPRN for FDOT Project Control</b> George Massey and Ron Hanson	<b>GIS for Emergency Management in Dispersed Agency</b> William Issacs	<b>Lunch Break A (in Florida Ballroom)</b>		
12:30 PM		<b>PD&amp;E Detailed Process &amp; PSM Codes</b> Victor Muchuruza and Lindsay Guthrie	<b>Operational Impacts to Express Lanes Design Elements</b> Jennifer Fortunas and Trey Tillander	<b>Lunch Break B (in Florida Ballroom)</b>		<b>FDOT Traffic Design Tools (FDOT C3D &amp; FDOT ORD)</b> Randy Roberts and Kandi Daffin	<b>FRP-RC Design Part 1</b> Steve Nolan	
1:30 PM	<b>Transportation Landscape Architecture Coordination with Federal Aviation Administration</b> James Pankonin	<b>PD&amp;E Scope of Services</b> Victor Muchuruza, Heidi Coggins, and Bobby Bull	<b>Roadside Barriers - MASH Implementation Update &amp; Design Lessons Learned</b> Richard Stepp and Derwood Sheppard	<b>RCI Pilot Project - A Multi-Sensor Approach to Transportation Asset Inventory</b> Maurice Elliot and Ryan Rittenhouse	<b>Traffic Engineering Manual (TEM) Updates</b> Javier Ponce and Dana Knox	<b>Bridge Modeling and Design Direction - Bentley</b> Dongming White and Raul Amaya	<b>FRP-RC Design Part 2</b> Steve Nolan	<b>Risk Management Zone</b> Greg Davis, Rob Quigley, Kurt Lieblong, Frank Chupka, and Mariano Amicarelli
2:30 PM	<b>Risk Elicitation, Documentation &amp; Mitigation Strategies</b> Jose Theiler	<b>The Perception of Comprehensive Transportation Design</b> Kenneth Cheek	<b>Public Involvement During Design</b> Rusty Ennemoser	<b>2019 GTR (General Tolling Requirements)</b> James Beverly	<b>Automated Machine Grading (AMG) 3D Pilot Projects</b> Steven Buck and Jason Christopher	<b>Automated Quantities Updates in (FDOT C3D and ORD)</b> Kandi Daffin and Randy Roberts	<b>FRP-RC Design Part 3</b> Steve Nolan	<b>Natural Resources</b> Katasha Cornwell and Katie Britt
3:30 PM	<b>Cultural Resources Coordination</b> Roy Jackson and Matthew Marino	<b>Structures Research Update</b> Will Potter	<b>Roundabouts</b> Dave Amato and Paul Hiers	<b>Utilizing High Density Aerial LiDAR and TopoDOT Extraction for Roadway Design Surveys</b> Matthew LaLuzerne, PSM	<b>District Drainage Engineer Roundtable</b> Erin Yao, James Poole, Miranda Glass, and Carl Spirio	<b>Superelevation and Design Criteria (FDOT ORD &amp; FDOT C3D)</b> John-Mark Palacios	<b>Safety Data and Applications</b> Joe Santos and Alan El-Urfali	<b>Cost Risk Assessment and Value Engineering</b> Jose Theiler
4:30 PM		<b>Non-Motorized Transportation</b> Ian Lockwood	<b>Diverging Diamond Design Considerations</b> Mark Doctor	<b>Geospatial Data Quality and Accuracy: The State-of-the-Practice</b> Dr. Qassim Abdullah	<b>Thermal Gradient in a Steel Box - Phase 1</b> Dennis Golabek	<b>Drainage Design and Modeling (FDOT ORD-SUDA)</b> Matt Sexton and Vern Danforth		

Wednesday, June 5th, 2019

8:00 AM	<b>Pay Item Requests and Plan Notes</b> Melissa Hollis	<b>Design Guidelines and Detailing Update Related to Post-Tensioning and Segmental Bridges</b> Teddy Theryo, P.E.	<b>2020 Florida Greenbook - Where We're Headed</b> Mary Anne Koos and Andy Tilton	<b>Fly your data away, and then take it Back!!!</b> Oscar M. Castaneda	<b>Pavement Management</b> Kyle Kroodasma and Wiley Cunagin	<b>Preliminary Design using InfraWorks or Concept Station</b> Heidi Coggins, Mike Racca, and Leroy Green	<b>Florida Strategic Highway Safety Plan</b> Joe Santos	<b>Safety Considerations at Railroad Crossings</b> Catherine Bradley
9:00 AM	<b>Proprietary Products</b> Karen Byram and Lorraine Moyle	<b>Design Build Issues from the Structural Industry Viewpoint</b> Coriann Salas	<b>Pedestrian and Bicycle Treatments at Alternative Intersection and Interchanges</b> Alan El-Urfali	<b>Accessing the Statewide Soil Borings GIS Database</b> Larry Jones and Jared Causseaux	<b>Advancements in Bridge Hydraulic and Scour Analyses with 2D Hydraulic Modeling</b> Scott Hogan and Carl Spirio	<b>FDOT 3D Initiatives : Making the Transition to OpenRoads</b> Vern Danforth and Andrew Poszich	<b>Speed Mgmt Techniques FDM Chp 202</b> DeWayne Carver	<b>Working with the Railroads</b> Scott Willis, Jim Ganey, and Rob Stapleton
10:00 AM	<b>3D Deliverables for Automated Machine Guidance (AMG)</b> Taylor Carlquist, Mariano Amicarelli, and Todd Holt	<b>ABC in Florida - A Practical Look into Past, Present, and Future FDOT Projects Utilizing ABC Techniques</b> Matthew Kosar and Thomas Andres	<b>Solar Illuminated Raised Pavement Markers and Street Lights</b> Douglas Dycus, P.E.	<b>Using Aerial Remote Sensing Methods to Enhance Transportation Planning</b> Maurice Elliot and Joseph Michela	<b>Rigid Pavement / Materials</b> Rhonda Taylor and Pat Upshaw	<b>Preparing OpenRoads Design Models for Virtual Reality (VR) Project Reviews</b> John-Mark Palacios	<b>A Primer for Traffic Forecasting for Project Managers</b> Jason Learned	<b>FHWA EDC5: Reducing Rural Roadway Departures</b> Kevin Burgess, Joe Cheung, Gevin McDaniel, and Joe Santos
11:00 AM	<b>Selective Clearing and Grubbing</b> Chris Keller and Cheryl Callender	<b>I-75 over SR50 - Design and Construction</b> Leo Rodriguez	<b>Pedestrian Special Detour and TTC Plans on all Projects</b> Ed Cashman & Mary O'Brien	<b>Stereographic Compilation with Unmanned Systems for Transportation</b> Christian Stallings	<b>3D Modeling and Animation for Public Involvement</b> Gary E. Gaiotti	<b>Preparing Civil3D Design Models for Virtual Reality (VR) Project Reviews</b> Oscar M. Castaneda and Vern Danforth	<b>Bus on Shoulder Project on I-275</b> Ming Gao, Craig Fox, and Santanu Roy	<b>Interchange Access Request (IARs) in Florida</b> Maria Overton, PE and Amy Causseaux

Professional Engineers and Landscape Architects will receive continuing education credit for all courses attended. PSMs and AICPs will receive credit for the sessions approved by their respective Boards.

Lunch Available      Open Session      BPSM Approved Courses      AICP CM Approved Courses