



5th Infraday Florida January 14

*Connecting Vision,
Capital, and Technology
to Shape Florida's Next
Era of Infrastructure*

**Miami Ironside
7580 NE 4th Ct**

Miami, FL 33138

www.infraday.com/florida

Speakers / Topics Subject to Change – Last Update 12/4/2025 3:46 PM

Speakers include:

- Alannah Irwin, Administrator, Sustainability & Resiliency, **City of Boynton Beach**
- Andrew Mafadzwa Chiwara, Construction Project Manager, Airport Development, Broward County Aviation Department, **Fort Lauderdale-Hollywood International Airport**
- Aneisha Daniel, Director, **Miami-Dade County Department of Solid Waste Management**
- Bach McClure, Stormwater Program Administrator, **Brevard County Natural Resources - Stormwater Program**
- Becky Hope, Assistant Director, Planning, Environment & Resiliency, **PortMiami**
- Christopher Wagner, Director, **PMWEB**
- Dan Zhu, Chief Resilience Officer, Office of the City Manager, **City of Gainesville**
- Djemcy Limage, Project Engineer (Traffic), **City of Boca Raton**
- Dru Badri, Assistant District Construction Engineer, **Florida Department of Transportation**
- Gabrielle Drice, Geographic Information Systems (GIS) Administrator, Public Works and Environmental Services Department, **Broward County**
- Gary Hubbard, Water Department Director, **City of Winter Haven, Florida**
- Hamid Nikvan, Public Utilities Director, **City of North Miami Beach**
- Jean Boursiquot, Project Manager / Special Projects, **Florida Department of Transportation**
- Julio Campa, Information Technology Manager, **Miami-Dade County**
- Karly Pulido, Resource Efficiency Officer (Head of Energy and Efficiency), **Miami-Dade County Public Schools**
- Keith Carswell, Director, Department of Economic Innovation & Development, **City of Miami**
- Kerlyne McHenry, Assistant Director of Public Works, **City of North Miami Beach**
- Lenny Barden, Transportation Engineer/City Engineer, **City of Alamonte Springs**
- Matthew Ferrer, Sustainability Manager, **Orlando Utilities Commission (OUC - The Reliable One)**
- Michael Bello, Planning & Grants Manager, **PortMiami**
- Paola Baez, Chief, Multimodal Development Section, Transportation Planning and Policy Division, **Miami-Dade County Department of Transportation and Public Works**
- Patricia Gómez, Special Advisor for Energy and Resilience, **Miami-Dade Aviation Department**
- Patricia Roberts, Certified Floodplain Manager, Development Services Department, **City of Fort Lauderdale**
- Raimundo Rodulfo, Director of Innovation and Technology / Chief Innovation Officer, **City of Coral Gables**
- Ramon Gavarrete, Public Works Director, **Alachua County Public Works**
- Robert Barcelo, Senior Manager, Business Development, **Port Everglades**
- Sam Zamacona, Capital Improvement Program Director, **Town of Bay Harbor Islands**
- Sonia Brubaker, Chief Resilience Officer & Director, Office of Resilience and Sustainability, **City of Miami**
- Stanley Rigaud, Global Trade & Intermodal Cargo Development, **PortMiami**
- Terry Toler, Information System Specialist, **Broward County**
- Vijay Mishra, Principal Project Manager, **South Florida Water Management District**
- Whitney Padote, Capital Project Manager, **City of North Miami**

8:00 AM – 8:30 AM | Registration & Networking Breakfast

8:30 AM – 9:00 AM | Opening Keynote Panel

Florida's Infrastructure Boom: Delivering the Next Decade of Growth

- Florida's record infrastructure investment pipeline — what's coming next
- Mobilizing public and private capital for faster delivery
- How owners, builders, and innovators are executing under pressure

Panelists:

Dan Zhu, Chief Resilience Officer, Office of the City Manager, **City of Gainesville**

9:00 AM – 9:30 AM | Panel 1

Powering Progress: Building Florida's Next-Gen Transportation Network

- Delivering highway, rail, and transit programs at unprecedented scale
- Deploying TSM&O and ITS for real-time traffic, safety, and reliability
- Funding and procurement models enabling faster, risk-managed delivery

Panelists:

Lenny Barden, Transportation Engineer/City Engineer, **City of Alamonte Springs**

9:30 AM – 9:50 AM | Presentation 1

Engineering Innovation in Action: Construction Progress on the I-395/SR 836/I-95 Design-Build Project

The I-395/SR 836/I-95 Design-Build Project is one of the most complex and transformative infrastructure projects in South Florida, addressing critical capacity, connectivity, and safety needs at the SR 836/I-395/I-95 (Midtown) Interchange—an essential hub with an Annual Average Daily Traffic (AADT) of over 450,000 vehicles.

The project integrates major design and construction innovations, including the double-decking of SR 836 to improve traffic flow and system reliability; the construction of the iconic six-arch Signature Bridge spanning over 1,000 feet over Biscayne Boulevard and NE 2nd Avenue; and extensive improvements to the I-95 mainline and ramps to enhance regional mobility.

This presentation will provide a comprehensive update on current construction activities, highlight key engineering achievements, and discuss the technical challenges and solutions driving progress on this critical Design-Build project.

Presenters:

Dru Badri, Assistant District Construction Engineer, **Florida Department of Transportation**
Jean Boursiquot, Project Manager / Special Projects, **Florida Department of Transportation**

9:50 AM – 10:20 AM | Panel 2

Ports & Aviation: Rebuilding Florida's Global Gateways

- Port and airport expansion programs shaping the state's trade economy
- Digitalizing logistics, cargo, and passenger operations
- How private finance and EPC partnerships are accelerating delivery

Panelists:

Andrew Mafadzwa Chiwara, Construction Project Manager, Airport Development, Broward County Aviation Department, **Fort Lauderdale-Hollywood International Airport**
Becky Hope, Assistant Director, Planning, Environment & Resiliency, **PortMiami**
Patricia Gómez, Special Advisor for Energy and Resilience, **Miami-Dade Aviation Department**
Robert Barcelo, Senior Manager, Business Development, **Port Everglades**

10:20 AM – 10:50 AM | Morning Break + Networking (30 min)

10:50 AM – 11:20 AM | Panel 3

Smart Infrastructure & Data-Driven Delivery

- Embedding digital twins and real-time data into every project phase
- Using AI for predictive scheduling, risk assurance, and cost control
- Building cyber-resilient, integrated infrastructure ecosystems

Panelists:

Gabrielle Drice, Geographic Information Systems (GIS) Administrator, Public Works and Environmental Services Department, **Broward County**
Raimundo Rodulfo, Director of Innovation and Technology / Chief Innovation Officer, **City of Coral Gables**
Whitney Padote, Capital Project Manager, **City of North Miami**

11:20 AM – 11:40 AM | Presentation 2

Brightline & the Future of High-Speed Connectivity in Florida

11:40 AM – 12:10 PM | Panel 4

Funding, Delivery & Partnership Models That Scale

- Leveraging design-build, CM/GC, and progressive P3s for complex programs
- Combining federal, state, and private funding to de-risk delivery

- Embedding climate resilience and innovation in capital strategy

Panelists:

Ramon Gavarrete, Public Works Director, **Alachua County Public Works**

12:10 PM – 1:10 PM | Lunch (1 hour)

1:10 PM – 1:40 PM | Panel 5

Coastal Resilience & Climate Adaptation: Engineering Florida's Future Shoreline

- Delivering climate-adaptive coastal systems that protect growth regions
- Integrating green and gray infrastructure for measurable resilience
- Managing regional design and delivery coordination across jurisdictions

Panelists:

Bach McClure, Stormwater Program Administrator, **Brevard County Natural Resources - Stormwater Program**

Sam Zamacona, Capital Improvement Program Director, **Town of Bay Harbor Islands**

Sonia Brubaker, Chief Resilience Officer & Director, Office of Resilience and Sustainability, **City of Miami**

Vijay Mishra, Principal Project Manager, **South Florida Water Management District**

1:40 PM – 2:10 PM | Panel 6

Energy & Utilities: Powering Florida's Smart, Electrified Future

- Grid modernization, microgrids, and EV corridor development
- Water, wastewater, and storm infrastructure built for extreme conditions
- Utility-owner partnerships enabling faster capital execution

Panelists:

Gary Hubbard, Water Department Director, **City of Winter Haven, Florida**

Karly Pulido, Resource Efficiency Officer (Head of Energy and Efficiency), **Miami-Dade County Public Schools**

Matthew Ferrer, Sustainability Manager, **Orlando Utilities Commission (OUC - The Reliable One)**

2:10 PM – 2:30 PM | Stand-Alone Presentation 3

Building Resilient Communities: Modern Strategies for Flood-Resilient Planning

Flood resilient planning is a crucial strategy for mitigating the risks associated with flooding, particularly in areas vulnerable to extreme weather events and climate change. By utilizing base flood elevations from flood insurance rate maps and adhering to freeboard requirements these are

just a few things that can help in reducing flood risks. The additional freeboard requirements of (Base Flood Elevation) BFE + Freeboard (example (BFE 5' NAVD 88 + freeboard = finish floor elevation) can help protect the infrastructure when using (LID) low impact development techniques in addition to BFE + Freeboard. Communities can effectively protect homes and businesses from flood damage when incorporating some of these techniques. This proactive approach of resilient planning not only safeguards infrastructure but also fosters economic stability by minimizing disruptions to businesses and ensuring that communities remain operational during adverse conditions. Incorporating resilient planning has been shown to enhance public health and mitigate urban heat effects and by expanding green spaces and open space that creates cooler environments, thereby improving the quality of life for residents.

Prioritizing environmental preservation and biodiversity contributes to a balanced ecosystem and sustainable land use, reinforcing the community's resilience against flooding. Ultimately, flood resilient planning empowers communities to develop comprehensive preparedness and recovery strategies in response to the increasing threats posed by climate change and rising sea levels. By integrating these practices, communities can build resilience, protect valuable resources, and ensure a sustainable future. Patricia Roberts (CFM) Certified Floodplain Manager will discuss flood resilient planning to make communities resilient.

Presenter:

Patricia Roberts, (CFM) Certified Floodplain Manager, **City of Fort Lauderdale**

2:30 PM – 3:00 PM | Panel 7

Data Centers & AI Infrastructure: Engineering the Digital Backbone

- Delivering hyperscale capacity for AI and cloud workloads
- Site selection, energy, and cooling strategies driving competitive advantage
- Integrating renewables and grid resilience for 24/7 uptime
- How EPC and tech partners are reshaping digital infrastructure delivery

Moderator:

Keith Carswell, Director, Department of Economic Innovation & Development, **City of Miami**

Panelists:

Terry Toler, Information System Specialist, **Broward County**

3:00 PM – 3:30 PM | Panel 8

Digital Delivery & Construction Innovation

- Modern PMIS and connected field platforms driving efficiency
- BIM-to-field integration and data federation across project teams
- Real-time collaboration from design through commissioning

Panelists:

Djemcy Limage, Project Engineer (Traffic), **City of Boca Raton**

3:30 PM – 4:00 PM | Panel 9

Transit & Mobility: Reinventing Metropolitan Connectivity

- Delivering multimodal networks linking urban and regional hubs
- Scaling EV buses, AVs, and micro-mobility into major corridors
- Public agency and private sector alignment for project acceleration

Panelists:

Paola Baez, Chief, Multimodal Development Section, Transportation Planning and Policy Division,
Miami-Dade County Department of Transportation and Public Works
Stanley Rigaud, Global Trade & Intermodal Cargo Development, **PortMiami**

4:00 PM – 4:20 PM | Stand-Alone Presentation 4

The Connected Airport: Digital Transformation at MIA and JAX

4:20 PM – 4:50 PM | Panel 10

Resilient Cities: Designing for Performance and Intelligence

- Embedding IoT, sensors, and analytics into critical infrastructure
- Measuring ROI from data-driven operations and maintenance
- Financing and delivering smarter, more adaptive city systems

Panelists:

Aneisha Daniel, Director, **Miami-Dade County Department of Solid Waste Management**
Hamid Nikvan, Public Utilities Director, **City of North Miami Beach**
Julio Campa, Information Technology Manager, **Miami-Dade County**

4:50 PM – 5:20 PM | Panel 11

Florida 2030: Building the Connected, Climate-Ready State

- Integrating mobility, energy, and digital systems into statewide strategy
 - Coordinating infrastructure investment to deliver measurable outcomes
 - Driving innovation, capital, and delivery excellence across sectors
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5:20 PM – 5:30 PM | Closing Remarks

5:30 PM – 7:00 PM | Networking Reception

