



# 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**

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## Speakers / Topics Subject to Change – Last Update 12/12/2025 10:48 AM

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**
- Asael Marrero, Assistant City Manager, **City of Miami**
- Bach McClure, Stormwater Program Administrator, **Brevard County Natural Resources - Stormwater Program**
- Becky Hope, Assistant Director, Planning, Environment & Resiliency, **PortMiami**
- Brad Kramer, Senior Sales Executive, **Aurigo Software Technologies**
- Brent Tasugi, Managing Director, **1 Squared Capital**
- Christopher Wagner, Director, **PMWEB**
- Dan Zhu, Chief Resilience Officer, Office of the City Manager, **City of Gainesville**
- David Bridle, Strategic Initiatives Project Manager, **St. Cloud, Florida**
- David Cranston, Florida Energy Policy Manager, **Environmental Defense Fund**
- Djemcy Limage, Project Engineer (Traffic), **City of Boca Raton**
- Dru Badri, Assistant District Construction Engineer, **Florida Department of Transportation**
- Duncan Kopp, Ports & Maritime Vice President and Market Director for the Americas, **Jacobs**
- 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**
- Jessica Garland, Coastal Program Manager, **Martin County Board of County Commissioners**
- 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)**
- Megan Grove, Data Analysis & Integration Supervisor, Utilities Department, **Pinellas County Government**
- 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**
- Quentin Jones, Technology Manager, Utilities Department, **Pinellas County Government**
- 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**
  - Slobodan Zivkovic, Senior GIS Analyst, **Broward Country Highway and Bridge Maintenance**
  - 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**
  - Todd Romberger, Senior Vice President Spaceports Business Unit, **Space Florida**
  - Vijay Mishra, Principal Project Manager, **South Florida Water Management District**
  - Whitney Padote, Capital Project Manager, **City of North Miami**
  - William Frazer, Vice President - Chief Innovation Officer, **Jacksonville Transportation Authority**
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8:00 AM – 8:30 AM | Registration & Networking Breakfast

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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**

Todd Romberger, Senior Vice President Spaceports Business Unit, **Space Florida**

William Frazer, Vice President - Chief Innovation Officer, **Jacksonville Transportation Authority**

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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**

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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**

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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

Moderator:

Duncan Kopp, Ports & Maritime Vice President and Market Director for the Americas, **Jacobs**

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**

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

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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

Moderator:

Brad Kramer, Senior Sales Executive, **Aurigo Software Technologies**

Panelists:

Gabrielle Drice, Geographic Information Systems (GIS) Administrator, Public Works and Environmental Services Department, **Broward County**

Megan Grove, Data Analysis & Integration Supervisor, Utilities Department, **Pinellas County Government**

Raimundo Rodulfo, Director of Innovation and Technology / Chief Innovation Officer, **City of Coral Gables**

Whitney Padote, Capital Project Manager, **City of North Miami**

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11:20 AM – 11:40 AM | Presentation 2

**Brightline & the Future of High-Speed Connectivity in Florida**

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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:

Brent Tasugi, Managing Director, **I Squared Capital**

David Bridle, Strategic Initiatives Project Manager, **St. Cloud, Florida**

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

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12:10 PM – 1:10 PM | Lunch (1 hour)

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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

Moderator:

Ken Griffin, President, **Underwater Engineering Services, Inc** (invited)

Panelists:

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

Jessica Garland, Coastal Program Manager, **Martin County Board of County Commissioners**

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**

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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

Moderator:

Daniel Checchia, National Discipline Leader SUE Services | Subsurface Utility Engineering and Utility Coordination, **Colliers Engineering & Design** (invited)

Panelists:

David Cranston, Florida Energy Policy Manager, **Environmental Defense Fund**

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)**

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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**

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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:

Quentin Jones, Technology Manager, Utilities Department, **Pinellas County Government**

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

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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**

Slobodan Zivkovic, Senior GIS Analyst, **Broward Country Highway and Bridge Maintenance**

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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**

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

### **Innovation in Stormwater Infrastructure and Coastal Flood Resilience at PortMiami**

PortMiami, an island-constrained port, is advancing a series of forward-thinking stormwater and flood resilience initiatives that align directly with Miami-Dade County’s Sea Level Rise Strategy and Climate Action Strategy. These efforts represent an integrated approach to protecting maritime operations, safeguarding economic activity, and supporting long-term coastal sustainability.

PortMiami’s current capital program includes key projects such as the Berth 10 Bulkhead Rehabilitation Project, North Bulkhead Rehabilitation Project, Bays 148–155 and Bays 165–177 Bulkhead Improvements, the South Bulkhead Cathodic Protection Program, and the Cruise Terminal J (CTJ) Seawall and infrastructure upgrades. Each initiative incorporates adaptive design principles based on site-specific hydrological data, forecasted sea-level rise scenarios, and base flood elevation (BFE) standards, ensuring future operability under coastal and king tide conditions.

In coordination with Miami-Dade County’s resilience guidelines, PortMiami is integrating infrastructure approaches that improve drainage efficiency and mitigate runoff through enhanced stormwater conveyance systems, backflow preventer installations, and low-impact development (LID) features. The incorporation of corrosion-resistant materials, reinforced bulkhead walls, and advanced cathodic protection systems promotes infrastructure longevity while reducing maintenance vulnerabilities from saltwater intrusion.

These projects also complement the County’s broader strategy to elevate critical assets and modernize coastal defenses. By combining science-based flood modeling with innovative engineering and material technologies, PortMiami is not only reducing site-specific flood hazards but also establishing a replicable framework for resilient waterfront infrastructure statewide.

We will explore how these capital projects exemplify proactive adaptation policies, reinforcing the port’s role as a resilient economic engine and a model for sustainable maritime infrastructure.

Presenter:

Michael Bello, Planning & Grants Manager, **PortMiami**

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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**

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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

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