

4th Infraday Florida Feb. 25, 2025

**Mr. C Miami - Coconut Grove
2988 McFarlane Road
Miami, Florida 33133**



Agenda / Speakers Subject to Change

Last Update 2-5

Speakers Currently Include:

- Aileen Bouclé, Executive Director, **Miami-Dade TPO**
- AJ Waters, Chief Evangelist, **Kahua**
- Alannah Irwin, Administrator, Sustainability & Resiliency, **Boynton Beach Utilities, City of Boynton Beach**
- Alexander David Acosta, Manager, Energy Solutions, **Florida Power & Light Company**
- Alisha Lopez, Clean Cities Director, **South Florida Regional Planning Council**
- Amy Knowles, Chief Resilience Officer, **City of Miami Beach**
- Ana Carolina Coelho Maran, Chief of District Resiliency, **South Florida Water Management District**
- Andrew Frey, Director, Department of Real Estate & Asset Management, **City of Miami**
- Arthur Terechtchouk, Partner, Capital Advisory & Transformation, **Superset Infrastructure**
- Billie Jo McCarley, Deputy Director of Operations, **Miami Dade Water and Sewer Department**
- Brent Tasugi, Managing Director - Transportation & Logistics, **I Squared Capital**
- Brittany Bassett, Utilities Assistant Director, **Martin County Board of County Commissioners**
- Carlos Genatios, Director Engineering, Technology and Design, **Miami Dade College**
- Carmen Olazabal, Director, Sustainability and Resilience, **EXP**
- Christina Miskis, Principal Planner, **South Florida Regional Planning Council**
- Dan Zhu, Chief Resilience Officer, Office of the City Manager, **City of Gainesville**
- Daniel Kreeger, Executive Director, **Association of Climate Change Officers & Senior Advisor, Voltari Electric**
- Diego J. Cancel, Sustainability and Resiliency Supervisor, **City of Coral Gables**
- Elizabeth Owens, Strategy Officer, **PortMiami**
- Enmanuel “Manny” Espinal, **FDOT District Six Resident Engineer – Special Projects**
- Frederick Wong, Deputy Port Director, **PortMiami**
- Galo Pacheco, Interim Chief, Water and Wastewater Division, DERM, **Miami-Dade County**
- Hamid Reza Nikvan, Public Utilities Director, **City of North Miami Beach**
- Jacqueline Sequeira, Construction Manager, Special Projects, **FDOT**
- Jorge Valens, IT Innovation Manager, **Miami-Dade County | Information Technology Department**
- Juan Gonzalez, Senior Trade Officer, **Consulate General of Canada**
- Karly Pulido, Sustainability Officer, **Miami Dade County Public Schools**
- Kimberly Brown, Resilience Planning Director, **Miami-Dade County Office of Resilience**
- Kyle Flood, Interim Division Director- Development, Department of Housing and Community Development (HCD), **Miami-Dade County**
- Laura Dodd, Principal Planner, Public Works, **Cape Coral**
- Lily Elefteriadou, Barbara Goldsby Distinguished Professor of Civil Eng., **UF Transportation Institute**
- Luis Nicola Aguilar, Program Project Coordinator Senior, Coordinated Entry & System Performance, Housing Options, Solutions, and Supports, **Broward County**
- Marcos Souza, Vice President, Director of Aviation, **EXP**
- Marcus Stanton, Traffic Count Technician, Mobility, **City of Tampa**
- Marsel Fakhrudinov, Senior Professional Engineer / Water Control Section Manager, **Miami-Dade County**

- Matt Chesnut, Vice President of Business Development, **Space Florida**
 - Michael Alpert, Assistant Director, Planning, Zoning & Economic Development, **City of Plantation**
 - Michael Rubin, President and CEO, **Florida Ports Council**
 - Natalie Johnson, Information Technology Security Administrator, **Broward County Government**
 - Orianna Caschetta, GIS District Coordinator, **FDOT - District Six**
 - Patricia Gómez, Interim Chief Resilience Officer and Director of Energy, **Miami-Dade County Office of Resilience**
 - Patricia Roberts, Certified Floodplain Manager, Floodplain Development Review Specialists, **City of Fort Lauderdale**
 - Rachel Streitfeld, Mayor, **North Bay Village**
 - Robert Barcelo - Senior Manager, Business Development, **Port Everglades**
 - Rupen Philloura, Director/Terminal Operations & AOC, **Miami-Dade Aviation Department**
 - Sam Zamacona, Public Works Director, **City of North Miami Beach**
 - Sergies Duarte, Senior Community Outreach Specialist, **Golden Glades Interchange (GGI) Project**
 - Vijay Mishra, Principal Project Manager, **South Florida Water Management District**
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Infraday Florida - Program Agenda

Date: February 25, 2025

Location: Mr. C Miami – Coconut Grove

8:00 AM - 8:20 AM: Registration and Networking Breakfast

Details: Kick off your day by connecting with Florida's top infrastructure leaders over coffee. This is your opportunity to build meaningful relationships and start conversations that could lead to impactful collaborations.

Morning Sessions

8:20 AM - 9:00 AM: Panel: Florida's Infrastructure Renaissance: Innovation for the Future

Explore Florida's ambitious vision for its infrastructure development, focusing on innovative solutions that drive economic growth, enhance sustainability, and improve resilience against climate-related challenges. The keynote will highlight transformative projects, forward-thinking policies, and cutting-edge technologies aimed at modernizing transportation, energy, and urban infrastructure. Key discussions will include public-private partnerships, smart city initiatives, and long-term strategies to support a rapidly growing population. With an emphasis on efficiency and sustainability, this session will provide valuable insights into how Florida is positioning itself as a leader in next-generation infrastructure planning and development.

Moderator:

- Marcos Souza, Vice President, Director of Aviation, **EXP**

Panelists:

- Alexander David Acosta, Manager, Energy Solutions, **Florida Power & Light Company**
 - Dan Zhu, Chief Resilience Officer, Office of the City Manager, **City of Gainesville**
 - Rachel Streitfeld, Mayor, **North Bay Village**
 - Rupen Philloura, Director/Terminal Operations & AOC, **Miami-Dade Aviation Department**
 - TBA, **Village of Key Biscayne**
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9:00 AM – 9:40 AM: Panel: Resilient Infrastructure: Preparing for Florida's Climate Challenges

Florida faces unique challenges due to its geographic location and vulnerability to severe weather events. This panel will showcase cutting-edge approaches to climate adaptation, including hurricane-resistant designs, flood protection systems, and community resilience planning. Panelists will share insights on how public agencies, private companies, and communities are coming together to prepare for and recover from natural disasters.

Moderator:

- Carmen Olazabal, Director, Sustainability and Resilience, **EXP**

Panelists:

- Alannah Irwin, Administrator, Sustainability & Resiliency, **Boynton Beach Utilities, City of Boynton Beach**
 - Amy Knowles, Chief Resilience Officer, **City of Miami Beach**
 - Ana Carolina Coelho Maran, Chief of District Resiliency, **South Florida Water Management District**
 - Patricia Gómez, Interim Chief Resilience Officer and Director of Energy, **Miami-Dade County Office of Resilience**
 - Patricia Roberts, Certified Floodplain Manager, Floodplain Development Review Specialists, **City of Fort Lauderdale**
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9:40 AM – 10:00 AM: Presentation: Cooling Cities and Counties – Miami-Dade County and City of Miami Extreme Heat Plans

Explore Miami-Dade County's and City of Miami's cooling solutions to reduce ambient heat during Heat Season (May 1 – October 31). Hear about actions that focus on providing nature-based and hard infrastructure solutions such as shaded structures, expanding tree canopy, increasing access to water, compiling data, operating buildings efficiently, and providing public cooling centers.

Presenters:

- Jane Gilbert, Chief Heat Officer & Urban Forestry Officer, **Miami-Dade County**
 - Sonia Brubaker, Chief Resilience Officer & Director for Office of Resilience and Sustainability, **City of Miami**
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10:00 AM – 10:20 AM: Presentation: 395/SR 836/I-95 Design-Build Project

Details: The I-395/SR 836/I-95 Design-Build Project will enhance three of the City’s crucial arteries converging at the SR 836/I-395/I-95 (Midtown) Interchange. The Midtown Interchange, with an Annual Average Daily Traffic (AADT) of approximately 450,000 vehicle trips, is the vital junction that serves residents and tourists as they make their way to major special event venues, tourist destinations, health district, court facilities as well as the vibrant downtown area and communities such as Overtown and Edgewater. The project will include several firsts for the area, such as the double-decking of an elevated bridge (SR 836), the construction of an iconic, six-arched signature bridge that will span approximately 1000 feet over Biscayne Boulevard and NE 2 Avenue, and the creation of 33 acres of community spaces in coordination with the City of Miami. The presentation will provide information on the project and an update on construction activities along all three corridors.

Presenter:

- Jacqueline Sequeira - **FDOT Construction Manager, Special Projects**
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10:20 AM - 10:50 AM: Morning Refreshment Break: Recharge & Connect

Take a moment to refuel and engage with fellow attendees during our Morning Refreshment Break. Enjoy a selection of fresh coffee, tea, and light snacks while networking with industry peers, speakers, and decision-makers. This dedicated time provides the perfect opportunity to discuss key insights, exchange ideas, and establish valuable connections before diving into the next session.

10:50 AM – 11:05 AM: Presentation: Golden Glades Interchange (GGI) Construction Project Update

Led by the collaborative efforts of the Florida Department of Transportation (FDOT) District Six and Florida's Turnpike Enterprise, the GGI Project represents a milestone in Florida’s commitment to building transportation infrastructure that connects communities and fosters economic growth. This project is part of the Moving Florida Forward Infrastructure Initiative and it aims to enhance regional mobility and reduce travel times by revitalizing this major transportation interchange, which includes connections to five essential roadway systems in the South Florida area: State Road (SR) 9A/I-95, SR 826/Palmetto Expressway, SR 91/Florida’s Turnpike, SR 9 and SR 7/US 441/NW 7 Avenue. For more project information, visit www.Go-GGI.com and follow us on X/Twitter by clicking [here](#).

Presenter:

- Enmanuel “Manny” Espinal, **FDOT District Six Resident Engineer – Special Projects**
- Sergies Duarte, Senior Community Outreach Specialist, **Golden Glades Interchange (GGI) Project**

11:05 AM - 11:30 AM: Affordable Housing and Urban Growth: Navigating Florida's Rapid Urbanization

Cities like Miami, Tampa, and Orlando are experiencing unprecedented growth, putting immense strain on housing availability and affordability. Rising costs are leaving many residents unable to secure suitable homes, increasing pressure on urban infrastructure and community planning. This panel will explore strategies for balancing urban growth with affordable housing solutions, innovative funding mechanisms, and collaborative approaches between public and private sectors to ensure equitable development that meets the needs of Florida's rapidly expanding population.

Moderator:

Panelists:

- Kyle Flood, Interim Division Director- Development, Department of Housing and Community Development (HCD), **Miami-Dade County**
- Luis Nicola Aguilar, Program Project Coordinator Senior, Coordinated Entry & System Performance, Housing Options, Solutions, and Supports, **Broward County**
- Michael Alpert, Assistant Director, Planning, Zoning & Economic Development, **City of Plantation**

11:30 AM - 12:00 PM: Transportation Innovations: Next-Gen Solutions for Urban Mobility

With Florida's urban centers facing increasing population growth and congestion, innovative transportation solutions are critical. This panel will dive into how cities across the state are adopting next-generation technologies like autonomous vehicles, smart traffic management systems, and electric buses to improve mobility and reduce environmental impact. Learn about the challenges and opportunities involved in implementing these transformative projects.

Moderator:

- Daniel Kreeger, Executive Director, **Association of Climate Change Officers & Senior Advisor, Voltari Electric**

Panelists:

- Alisha Lopez, Clean Cities Director, **South Florida Regional Planning Council**
- Diego J. Cancel, Sustainability and Resiliency Supervisor, **City of Coral Gables**
- Kimberly Brown, Resilience Planning Director, **Miami-Dade County Office of Resilience**
- Marcus Stanton, Traffic Count Technician, Mobility, **City of Tampa**

12:00 PM – 12:30 PM: Solving Florida's Transportation Puzzle: Tackling Congestion, Expanding Transit, and Modernizing Infrastructure

Florida's highways, bridges, and public transit systems are under immense pressure from rapid population growth, booming tourism, and urbanization. This panel will address strategies to reduce congestion in major corridors, the expansion of transit options like rail and buses, and the modernization of aging infrastructure. Discover innovative solutions, funding strategies, and collaborative approaches to ensure Florida's transportation networks meet future demands.

Moderator: [Name]

Panelists:

- Aileen Bouclé, Executive Director, **Miami-Dade TPO**
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12:30 PM – 1:00 PM: Navigating Funding Compliance: Challenges, Opportunities & Best Practices

As construction capital projects become increasingly complex, funding compliance emerges as a critical success factor, especially for initiatives funded by public programs in education and infrastructure. Join Kahua as we sit down with a panel of experts to explore the evolving landscape of funding compliance. In this session, our panel will address key challenges such as regulatory adherence, transparency, and effective use of public and private funds, and share strategies for leveraging technology to ensure accountability and alignment with project goals. Attendees will gain valuable insights into how robust compliance frameworks can enhance project execution, streamline reporting, and mitigate compliance risk for all parties. This is your chance to strengthen your approach to funding compliance in a dynamic regulatory environment.

Moderator:

- AJ Waters, Chief Evangelist, **Kahua**

Panelists:

- Juan Alfonso, President, **CES Consultants**
 - Sid Shah, President, **OnIndus**
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1:00 PM - 2:00 PM: Networking Lunch

Details: Enjoy a delicious buffet lunch while connecting with peers, panelists, and industry leaders to discuss the morning's key takeaways and build valuable relationships.

Afternoon Sessions

2:00 PM - 2:30 PM: Data-Driven Infrastructure: Improving Project Delivery

This panel will focus on how technology and data are transforming the way infrastructure projects are planned and delivered. Explore real-world applications of AI, digital twins, and project management software that enable faster, more efficient, and cost-effective project execution. Experts will discuss how predictive analytics, IoT integration, and cloud-based collaboration tools are improving decision-making, reducing project risks, and enhancing overall operational efficiency. Additionally, the panel will highlight best practices in leveraging big data to optimize resource allocation, streamline workflows, and ensure long-term infrastructure resilience. Gain insights into how data-driven solutions are shaping the future of infrastructure development and execution.

Moderator:

- **TBA, PMWeb**

Panelists:

- Jorge Valens, IT Innovation Manager, **Miami-Dade County | Information Technology Department**
- Natalie Johnson, Information Technology Security Administrator, **Broward County Government**
- Orianna Caschetta, GIS District Coordinator, **FDOT - District Six**

2:30 PM – 3:00 PM: Funding the Future: Public-Private Partnerships in Infrastructure

Details: As infrastructure needs grow, funding remains a major challenge. This panel will explore how Florida is leveraging public-private partnerships (P3s) to deliver critical projects on time and within budget. Panelists will share successful examples of P3s in action, highlight innovative financing approaches, and discuss how risk is shared to create mutually beneficial outcomes for public agencies and private investors.

Moderator:

AJ Waters, Chief Evangelist, **Kahua**

Panelists:

Andrew Frey, Director, Department of Real Estate & Asset Management, **City of Miami**
Arthur Terechtchouk, Partner, Capital Advisory & Transformation, **Superset Infrastructure**
Brent Tasugi, Managing Director - Transportation & Logistics, **I Squared Capital**
Karly Pulido, Sustainability Officer, **Miami Dade County Public Schools**
Matt Chesnut, Vice President of Business Development, **Space Florida**

3:00 PM – 3:30 PM: Panel: Water Infrastructure: Addressing Florida's Unique Challenges

Topics: Water management, Everglades restoration, and flood mitigation.

Details: Florida's water challenges are as complex as they are urgent. From managing rising sea levels and flooding to ensuring water supply for growing populations, this panel will explore innovative

solutions being implemented to safeguard the state's water resources. Learn about the latest efforts in Everglades restoration, sustainable stormwater management, and advanced water recycling technologies.

Moderator:

- Christina Miskis, Principal Planner, **South Florida Regional Planning Council**

Panelists:

- Billie Jo McCarley, Deputy Director of Operations, **Miami Dade Water and Sewer Department**
 - Galo Pacheco, Interim Chief, Water and Wastewater Division, DERM, **Miami-Dade County**
 - Hamid Reza Nikvan, Public Utilities Director, **City of North Miami Beach**
 - Marsel Fakhrutdinov, Senior Professional Engineer / Water Control Section Manager, **Miami-Dade County**
 - Vijay Mishra, Principal Project Manager, **South Florida Water Management District**
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3:30 PM – 4:00 PM Afternoon Refreshment Break: Recharge & Connect

Take a moment to refuel and engage with fellow attendees during our Afternoon Refreshment Break. Enjoy a selection of fresh coffee, tea, and light snacks while networking with industry peers, speakers, and decision-makers. This dedicated time provides the perfect opportunity to discuss key insights, exchange ideas, and establish valuable connections before diving into the next session.

4:00 PM – 4:20 PM: Advancing Florida's Ports: A Global Trade Perspective Enhancing Pedestrian and Bicyclist Safety with Connected Vehicle Technologies: The UF AID Demonstration Project

The Florida Department of Transportation (FDOT), along with the University of Florida (UF) and the City of Gainesville (CoG), is implementing an Accelerated Innovation Deployment (AID) Demonstration Project. The project aims to improve pedestrian and bicyclist safety at signalized intersections and mid-block crossings using connected vehicle (CV) and other innovative technologies. The project focuses on the UF campus in Gainesville, Florida, which has high pedestrian and bicyclist traffic. It includes thirteen signalized intersections and eleven mid-block crossings. The project has deployed technologies such as Passive Pedestrian Detection (PPD) systems, Advance Vehicle Detection Systems (AVDS), Personal Information Devices (PID) (smartphones with an app), Rectangular Rapid Flashing Beacons (RRFB), Roadside Units (RSUs), Onboard Units (OBUs), and variable pedestrian phase recall applications. The project objectives are to improve pedestrian access and safety, collect data for connected vehicle performance measurement, and provide opportunities for automobile original equipment manufacturers (OEM) to introduce CV technologies.

Presenter:

Lily Elefteriadou, Barbara Goldsby Distinguished Professor of Civil Eng., **UF Transportation Institute**

4:20 PM - 4:50 PM: Panel: Florida's Ports: Enhancing Trade and Connectivity

Learn how Florida's ports are evolving to meet the demands of a rapidly changing trade landscape. This session will highlight major expansion projects, innovations in supply chain management, and strategies for boosting Florida's competitiveness in the global economy.

Moderator: [Name]

Panelists:

Robert Barcelo - Senior Manager, Business Development, **Port Everglades**

Michael Rubin, President and CEO, **Florida Ports Council**

Frederick Wong, Deputy Port Director, **PortMiami**

4:50PM – 5:10: Presentation: Advancing Risk Models, Enhancing Infrastructure Resilience, and Addressing Community Vulnerabilities

Risk models often fail to capture the full scope of vulnerabilities faced by communities in disaster-prone regions like South Florida; these models are usually based on public data that is not accurate enough. In this presentation, Dr. Carlos Genatios will showcase advancements in risk assessment methodologies, comparing models based on public data (Level 1) to those using enhanced drone generated exposure models (Level 2). Through case studies from sectors of Miami and Miami Beach, the presentation will highlight significant discrepancies in predicting hurricane and flood impacts, including economic losses and community exposure.

Dr. Genatios will also discuss innovative strategies to bridge gaps in local capacities, such as:

- Developing academic programs to train the next generation of resilience experts.
- Leveraging GIS tools and data analytics to improve risk predictions.
- Strengthening community engagement for more inclusive resilience planning.

This presentation offers actionable insights into how improved data models and innovative approaches can create more equitable, resilient, and prepared communities in the face of escalating climate-related challenges.

Presenter:

Carlos Genatios, Director Engineering, Technology and Design, **Miami Dade College**

5:10 PM - 5:30 PM: Workforce Development: Building Tomorrow's Infrastructure Leaders

Topics: Workforce training, diversity, and addressing labor shortages.

Details: Infrastructure development depends on a skilled and diverse workforce. This panel will explore programs and initiatives aimed at training the next generation of infrastructure professionals.

Discussions will cover workforce diversity, closing the labor gap, and partnerships between public agencies, private companies, and educational institutions.

Moderator:

Panelists:

Brittany Bassett, Utilities Assistant Director, **Martin County Board of County Commissioners**

Elizabeth Owens, Strategy Officer, **PortMiami**

Valeria Mejia, ADA Manager, Public Works Department, **City of Miami Beach**

5:30 PM – 6:00 PM: Energy Infrastructure: Building a Sustainable Grid

Details: The transition to renewable energy is reshaping Florida’s energy landscape. This panel will discuss ongoing and upcoming projects designed to modernize the energy grid, including large-scale solar farms, wind energy integration, and microgrid development. Hear how utilities and agencies are balancing sustainability goals with the need for resilience and reliability in the face of climate change.

Moderator:

Panelists:

Juan Gonzalez, Senior Trade Officer, **Consulate General of Canada**

Marta Marelllo, Resilience Energy Analyst, **Miami-Dade County**

Sam Zamacona, Public Works Director, **City of North Miami Beach**

6:00 PM: Event Adjourns