

## Exhibit E

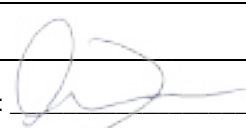
### STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION DISCLOSURE OF LOBBYING ACTIVITIES

375-030-34  
PROCUREMENT  
02/16

Is this form applicable to your firm?

YES  NO

If *no*, then please complete section 4 below for "Prime"

<b>1. Type of Federal Action:</b> a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	<b>2. Status of Federal Action:</b> a. bid/offer/application b. initial award c. post-award	<b>3. Report Type:</b> a. initial filing b. material change <b>For Material Change Only:</b> Year: _____ Quarter: _____ Date of last report: _____ (mm/dd/yyyy)
<b>4. Name and Address of Reporting Entity:</b> <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier <u>S</u> , if known: HBC Engineering Company 5200 NW 33rd Avenue, Suite 211 Fort Lauderdale, FL 33309  Congressional District, if known: 4c _____		<b>5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime:</b> _____ _____  Congressional District, if known: _____
<b>6. Federal Department/Agency:</b> _____ _____	<b>7. Federal Program Name/Description:</b> _____ _____  CFDA Number, if applicable: _____	
<b>8. Federal Action Number, if known:</b> _____	<b>9. Award Amount, if known:</b> \$ _____	
<b>10. a. Name and Address of Lobbying Registrant</b> (if individual, last name, first name, MI): _____ _____ _____	<b>b. Individuals Performing Services</b> (including address if different from No. 10a) (last name, first name, MI): _____ _____ _____	
<b>11.</b> Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature:  Print Name: Adebayo Coker, PE Title: President / CEO Telephone No.: (786) 477-4614 Date (mm/dd/yyyy): 11/10/2025	
<b>Federal Use Only:</b>		Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)

### INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a followup report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, State and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in item 4 checks "Subawardee," then enter the full name, address, city, State and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, State and zip code of the lobbying registrant under the Lobbying Disclosure Act of 1995 engaged by the reporting entity identified in item 4 to influence the covered Federal action.  
  
(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 10 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, DC 20503.



Tab J

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# Attachments



**ADDITIONAL REMARKS SCHEDULE**

AGENCY <b>Ames &amp; Gough</b>		NAMED INSURED <b>HBC Engineering Company</b> 9675 NW 117th Avenue, Suite 305 Medley, FL 33178	
POLICY NUMBER <b>SEE PAGE 1</b>			
CARRIER <b>SEE PAGE 1</b>	NAIC CODE <b>SEE P 1</b>	EFFECTIVE DATE: <b>SEE PAGE 1</b>	

**ADDITIONAL REMARKS**

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

**Description of Operations/Locations/Vehicles:**

Automobile Liability are primary and non-contributory over any existing insurance and limited to liability arising out of the operations of the named insured and when required by written contract. General Liability, Automobile Liability, Umbrella Liability and Workers Compensation policies include a waiver of subrogation in favor of the additional insureds where permissible by state law and when required by written contract.



Appendix A

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# Resumes

# Adebayo Coker, PE

Principal-in-Charge | PD&E Studies

Adebayo is a highly experienced transportation engineer with extensive expertise in Project Development & Environment (PD&E) and transportation planning. With over three decades of experience, he has successfully led PD&E studies and multimodal transportation planning efforts for major clients, including the Florida Department of Transportation (FDOT), Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Palm Beach County, City of Hollywood, and Greater Miami Expressway Agency (GMX). His expertise includes conducting corridor studies, traffic impact analyses, and environmental assessments to ensure projects align with regulatory compliance and sustainable development goals. Adebayo has played a key role in integrating roadway, transit, and non-motorized transportation improvements into comprehensive plans that enhance mobility and safety. Throughout his career, he has collaborated with government agencies, municipalities, and private stakeholders to develop data-driven solutions that address transportation challenges and improve community connectivity.

**City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets PD&E Study.** Project Manager and Engineer of Record for this Complete Streets PD&E study on Johnson Street. Responsible for evaluating selected alternatives to reconstruct Johnson Street into a safer, more efficient corridor. The project scope includes designing a new interconnected sidewalk on one side of the street, installing new lighting, fully reconstructing the 2-lane, 2-way roadway with a center turn lane, adding new transit bus stops, and implementing a comprehensive drainage system within the existing Right of Way (ROW). Adebayo's role encompasses conducting a limited topographic survey, collecting extensive data, developing conceptual design alternatives, performing traffic analysis of the alternatives, and coordinating public involvement to align the project with community needs and expectations. *Location: Hollywood, FL. Dates: 03/2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3251, llopez@hollywoodfl.org. Contract Amount: \$150K. Contract No.: HOLL-038.*

**Florida Department of Transportation (FDOT) District 6, SR-907/ Alton Rd Project Development & Environment (PD&E) Study from 5th St to Michigan Ave.** FDOT Project Manager responsible for the PD&E Study for improvements to Alton Road from 5th Street to Michigan Avenue. This PD&E Study involved the analysis of the existing conditions, public involvement, identification of preliminary alternatives, selection of Tier 2 alternatives, engineering evaluation of proposed alternatives, identification of preferred alternative, design and development of preferred alternative, and evaluation of the environmental, social, and cultural impacts. The proposed improvements were developed to address safety, drainage, utilities, signalization, bicyclist and pedestrian facilities, traffic flow, existing pavement conditions, lighting, and Traffic Control Plans (TCPs). *Location: Miami-Dade County, FL. Dates: 2007–2008. Reference: Aileen Boucle, AICP, (305) 470-5201, aileen.boucle@dot.state.fl.us.*



**33** Years of Experience

**Years with HBC**  
19 years

**Education**  
B.S. in Civil Engineering,  
Florida International  
University (08/13/1992)

**Registration(s)**  
PE (FL) No. 55322  
(02/11/2000)

TIN No. C26001866

**Licenses & Certifications**  
FDOT CTQP:

Asphalt Paving  
Levels 1 and 2

QA/QC Manager

TTC Advanced No. 38977

**Expertise**  
Roadway design, project development and environment (PD&E) studies, construction management, signalization, signing and pavement markings, maintenance of traffic (MOT), transportation planning, safety analysis, quality assurance/quality control (QA/QC).

## Adebayo Coker, PE

**Florida Department of Transportation (FDOT) District 6, SR-916/NW 138th St/Opa Locka Blvd State Environmental Impact Report (SEIR) from NW 57th Ave/Red Rd to NW 67th Ave/Ludlam Rd.** FDOT Project Manager responsible for the SEIR for improvements to SR-916/NW 138th Street/Opa Locka Boulevard from NW 57th Avenue/Red Road to NW 67th Avenue/Ludlam Road. This project involved widening NW 138th Street from a 2-lane undivided roadway to a 4-lane undivided roadway with a 2-way center left turn lane. The SEIR involved the analysis of the existing conditions, noise barrier, public involvement, engineering evaluation of the preferred alternative, design and development of the preferred alternative, and evaluation of the environmental, social, and cultural impacts. The proposed improvements were developed to address safety, drainage, utilities, signalization, bicyclist and pedestrian facilities, traffic flow, existing pavement conditions, lighting, and Traffic Control Plans (TCPs). *Location: Miami-Dade County, FL. Dates: 2007–2008. Reference: Aileen Boucle, AICP, (305) 470-5201, aileen.boucle@dot.state.fl.us.*

**Florida Department of Transportation (FDOT) District 6, Project Development & Environment (PD&E) Studies, Resurfacing, Restoration, and Rehabilitation (RRR) Scoping Reports, & Traffic Reports.** District 6 Project Development Engineer responsible for the oversight of numerous tasks, such as utility coordination, PD&E Studies, Traffic Reports, and Resurfacing, Restoration, and Rehabilitation (3R) Scoping Reports for various projects, including West Flagler Street from 2nd Avenue to 27th Avenue (CE2), NW 74th Street from NW 114th Avenue to SR-826/Palmetto Expressway (Noise Study), Card Sound Road (EA), I-75 from the Miami-Dade/Broward County Line to SR-826/Palmetto Expressway (EIS/EA), Tamiami Canal Swing Bridge (EA), I-395/SR-836 PD&E (EIS), NW 42nd Court/Perimeter Road (SEIR), SR-997/Krome Avenue Truck Bypass from Lucy Street to 296th Street (Pending Class of Action Determination), Rickenbacker Causeway Lane Repurposing Study, NW 27th Avenue Express Bus Service Study, and numerous other 3R Scoping Reports. *Location: Miami-Dade County, FL. Dates: 2006-2008. Reference: Aileen Boucle, AICP, (305) 470-5201, aileen.boucle@dot.state.fl.us.*

**PortMiami, Chute Road Relocation Phase II.** Project Manager responsible for providing traffic engineering support and conceptual design for PortMiami's Chute Road Relocation Phase II. The main challenge for this project was the extreme urgency to complete the work required by PortMiami's engineering staff. The difficult challenge was successfully accomplished, by assigning the proper resources and working expeditiously to meet the deadlines, without sacrificing quality. The work consisted of the analyses of different roadway design options, to accommodate truck traffic. There were questions regarding the adequacy of the radius of the curve and the potential need to limit the curve to "one truck only at curve." Adebayo utilized the Auto Turn simulation software as one of the tools for this project, analyzed the generated data, and recommended a roadway design that allowed a two-truck curve. Roadway Signing and Pavement Markings (S&PMs), such as stop signs, stop bars, speed limit signs, and chevrons were also included in the scope of work. *Location: Miami-Dade County, FL. Dates: 02/16/2017-03/15/2017. Reference: Li Gurau, PhD, PE, (305) 329-4034, li.gurau@miamidade.gov. Contract Amount: \$3K.*

**PortMiami, Shed B Traffic Circulation Plan Study Engineering Services.** Project Manager responsible for the conceptual plan that would alleviate traffic congestion, while being compliant with the Manual on Uniform Traffic Control Devices (MUTCD), Roadway Design Standards, Florida Greenbook, and the Miami-Dade County Public Works Manual and Specifications. This project involved developing several alternatives for road layouts and traffic control plans. Final recommendations included modifications to the loading dock at Shed B, which allowed trucks to park diagonally in front of the shed and simultaneously provided a significant widening of North Cruise Boulevard, as well as a dedicated lane for trucks to maneuver safely. Efforts resulted in alleviating traffic conditions and reducing the blocking of traffic caused by trucks that were parked perpendicular to the loading dock. The solution consisted of relocating the CVIS tent, while providing a bypass lane for trucks adjacent to the docks. A crosswalk was relocated, and miscellaneous striping was applied. Angle parking location with frontage road allowed the separation of PortMiami traffic from CVIS delivery trucks. *Location: Miami-Dade County, FL. Date: 02/16/2017. Reference: Victor Gutierrez, PE, (305) 347-4802, victor.gutierrez@miamidade.gov. Contract Amount: \$19,597.74.*

# Hernan Lugo, MS, PE, CFM

Project Manager | Drainage Engineering | ADA Compliance

Hernan specializes in drainage design, stormwater management, roadway design, and construction administration, with extensive experience in transportation infrastructure projects. He has led and managed projects for the Florida Department of Transportation (FDOT), Miami-Dade County, and other public agencies, overseeing drainage analysis, floodplain management, utility coordination, and permitting. His expertise includes developing stormwater solutions, conducting hydrologic and hydraulic modeling, and ensuring regulatory compliance. A licensed Professional Engineer (PE) in Florida and Texas, he is also a Certified Floodplain Manager (CFM) and a Florida Certified Building Contractor. Committed to delivering resilient and efficient infrastructure, Hernan focuses on integrating innovative solutions to enhance roadway and drainage systems.

**Florida Department of Transportation (FDOT) District 4, Hollywood Gardens Sidewalk Complete Streets LAP Project.** Drainage and Public Involvement for this Complete Streets Local Agency Program (LAP) project, which included utility coordination, designing new and harmonized sidewalks, bike lanes, shared lanes, and landscape coordination to improve multimodal connectivity. The final deliverables featured typical section details, drainage structures, roadway plans, Stormwater Pollution Prevention Plan (SWPPP), and Temporary Traffic Control Plans. The project also addressed public concerns and design challenges such as constructing sidewalks through driveways, adjusting parking and fencing encroachments, and resolving utility conflicts. Drainage solutions included roadside ditches, French drains, and bioswales to manage runoff effectively, while ADA-compliant features were incorporated for accessibility. *Location: Hollywood, FL. Dates: 1/2015-1/2019. HBC Fee: \$555K. Construction Cost: \$3.5M. Reference: Kenzot Jasmin, PE, (954) 777-4462, kenzot.jasmin@dot.state.fl.us.*

**Palm Beach County (PBC), Boca Rio Road Widening from Palmetto Park Rd to Glades Rd.** Project Manager and Roadway Engineer of Record (EOR) for leading the design and delivery of the Boca Rio Road Widening Project in Palm Beach County, overseeing all aspects of roadway engineering and interdisciplinary coordination. The project involved the widening of a 1.53-mile corridor from 600 feet south of the Palmetto Park Road eastbound off-ramp to 600 feet north of the Glades Road intersection. Scope elements included adding one through lane in each direction, constructing a raised median where Right-of-Way allowed, and improving overall traffic flow and safety. The role required the development of a new closed drainage system, replacement of four culverts, and the design of a stormwater management facility to increase drainage capacity and reduce flood risk. Responsibilities also encompassed intersection upgrades to accommodate the revised geometry, ensuring optimized traffic operations, ADA compliance, and pedestrian safety. *Location: Palm Beach County, FL. Dates: 10/2023–Ongoing. HBC Fee: \$660,977. Reference: Jonathan DeLaura, (561) 684-4013, jdelaura@pbcgov.org.*



**27** Years of Experience

**Years with HBC**  
8 years

**Education**  
M.S. in Environmental Engineering, Texas A&M University (12/16/2011)

B.S. in Civil Engineering, Universidad Nueva Esparta, Venezuela (05/30/1998)

**Registration(s)**  
PE (FL) No. 74961 (08/06/2012)

PE (TX) No. 108728 (05/25/2011)

TIN No. L20032074

**Licenses & Certifications**  
Florida Certified Building Contractor - No. 160661

Certified Floodplain Manager - No. US-15-08248

TTC Advanced #38971

**Expertise**  
Drainage design, stormwater management, roadway design, construction administration, utility coordination, floodplain management, transportation infrastructure.

## Hernan Lugo, MS, PE, CFM

**Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements LAP Project.** Hernan is serving in key engineering roles across two tasks of the FDOT District 4 SR-7/US-441 Transit Corridor Improvements LAP Project. The overall goal of this project is to improve multimodal access, enhance pedestrian and bicycle safety, and upgrade key infrastructure elements along SR-7/US-441 in Broward County.

- **Task 1:** Drainage Engineer for corridor improvements that include construction of new sidewalks, ADA-compliant curb ramps, pedestrian signalization, and landscape enhancements. The project also features new shared-use paths, pedestrian lighting at the I-595 on-ramps and off-ramps, high-emphasis crossings, and the construction of retaining walls beneath the I-595 bridges. Additional scope includes signing and pavement marking upgrades to improve visibility and safety. *Location: Broward County, FL. Dates: 1/2025-Ongoing. FM No.: 429576-3. HBC Fee: \$922K. Construction Cost: \$1.67M. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*
- **Task 2:** As Drainage Engineer, Hernan leads the stormwater design and connectivity enhancements along SR-7. His responsibilities include designing effective drainage systems with culvert crossings, flumes, and curb inlets, as well as coordinating stormwater management for new shared-use paths and sidewalks. He also contributed to safety-focused improvements, such as upgraded pedestrian signalization, RRFB crossings, lighting at high-emphasis crosswalks, and preparation of landscape and tree disposition plans. Hernan's work ensures the integration of pedestrian-focused infrastructure with functional, compliant stormwater solutions. *Location: Broward County, FL. Dates: 4/2023-Ongoing. FM No.: 429576-3. HBC Fee: \$444K. Reference: Robert Lopes, PE, (954) 777-4425, robert.lopes@dot.state.fl.us.*

**Florida Department of Transportation (FDOT) District 4, SR-817/University Drive from Nova Drive to SR-84.** Chief Drainage Engineer for this project that involved a series of significant improvements along SR-817/University Drive, spanning from Nova Drive to SR-84. Key enhancements included pavement widening to accommodate a new auxiliary lane extending from NW 23rd Street to the westbound 595 ramp, which will improve traffic flow and accessibility. Additionally, existing drainage structures, overhead signs, a mast arm, and utility poles were repositioned to support the road modifications and ensure safety. *Location: Davie, FL. Dates: 02/2022-Ongoing. HBC Fee: \$7M. Reference: Adam Naiem, PE, (954) 777-4440.*

**Florida Department of Transportation (FDOT) District 4, Homewood Boulevard from Old Germantown Road to Lawson Boulevard.** Engineer of Record in charge of designing the Temporary Traffic Control Plan (TTCP) for a 0.51-mile RRR project on Homewood Boulevard in the City of Delray Beach. The TTCP design included typical sections for vehicular traffic and an ADA-compliant pedestrian detour on a multilane road. The task is being accomplished by using tables to reference applicable details and index for the locations. This includes Lane Closure Analysis, summary of quantities, and precise TTCP phases and plans to safely facilitate the routing of traffic through work zones. Coordinating with FDOT District 4 Construction, as necessary, to ensure feedback and approval of the proposed TTCP design. *Location: Delray Beach, FL. Dates: 2018-Ongoing. HBC Fee: \$825K. Reference: Raul Dominguez, PE, (954) 777-4677, raul.dominguez@dot.state.fl.us.*

**Florida Department of Transportation (FDOT) District 4, I-75/Alligator Alley Rest Area and Education Center Master Plan Project.** Engineer of Record in charge of designing the S&PM for a 0.71-mile stretch. This project involves improving the existing rest area, by constructing environmental education and recreational amenities, and requires reconfiguration of existing parking, access roads, and sidewalks. Improvements include an observation tower, covered pedestrian walkway, boardwalks, walking paths, dog walking areas, pedestrian lighting, wetland exhibits, pavilions, picnic areas, site furnishing, informational kiosk and signage, and landscaping. The S&PM was designed to guide traffic through the rest area and provide guidance back to the I-75 mainline. *Location: Weston, FL. Dates: 2018-Ongoing. HBC Fee: \$95K. Reference: Vandana Nagole, PE, (954) 777-4680, Vandana.Nagole@dot.state.fl.us.*

# Edgar Diaz, MS, PE, PSM

## Quality Assurance/Quality Control

Edgar leverages his extensive experience in civil engineering, project management, and quality assurance to oversee and optimize project planning, scheduling, budgeting, and performance tracking on complex infrastructure projects. His expertise spans various sectors, including public works, transportation, and utilities, with a focus on ensuring that all project phases—from conceptual design through final construction—adhere to regulatory standards and client specifications. Edgar’s comprehensive background includes managing multidisciplinary teams, coordinating utility installations, and conducting thorough QA/QC reviews to maintain the highest quality and compliance levels. His project oversight experience with Miami-Dade County and the Florida Department of Transportation has equipped him with the strategic insights necessary to mitigate risks, optimize resource allocation, and ensure timely project delivery, making him an invaluable asset in managing large-scale, multifaceted engineering projects.

### **Florida Department of Transportation (FDOT) District 4, SR-80/ Southern Blvd from West of Lion Country Safari Rd to Forest Hill Blvd.**

Quality Assurance/Quality Control Manager for this project that included the signalization design of 4 signalized intersections (Lion Country Safari Road, Binks Forest Drive, Big Blue Trace, Palms West Parkway) for this widening and resurfacing project all 4 signals required replacements. The design required coordination with Palm Beach County the maintenance agency. There are 4 PTMS count station/sites that will be replaced. Design activity includes MOT signal design. *Location: West Palm Beach, FL, Dates: 2012–2016. Reference: James Hughes, PE, (954) 777-4419*

### **Florida Department of Transportation (FDOT) District 4, SW 30th Ave Widening from Griffin Rd to SW 45th St RRR.**

Quality Assurance/Quality Control Manager for this project which included signalization improvements from at four Griffin Road to SW 45th Street. Design includes new signalization loops and assembly, signal heads, pedestrian heads and detectors, sign panels including internally illuminated signs, and traffic controller assembly, new mast arms. Existing traffic controllers were modified. *Location: Dania Beach, FL. Dates: 2014–2017. Reference: Brent Lee-Shue-Ling, PE, (954) 777-4075, Brent.Lee-Shue-Ling@dot.state.fl.us*

### **Florida Department of Transportation (FDOT) District 4, SR-713/ Kings Hwy from Okeechobee Rd to North of the I-95 Overpass.**

Quality Assurance/Quality Control Manager for this project which included the lighting design of approximately 3.3 miles of roadway reconstruction and retrofitting multiple signalized intersection. *Location: Fort Pierce, FL. Dates: 2012–2014. Reference: Bing Wang, PE, (954) 777-4419, Bing.Wang@dot.state.fl.us*

### **Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NE 2nd Ave Reconstruction from NE 69th St to NE 84th St Design-Build Project.**

Quality Assurance/Quality Control Manager for



**37** Years of  
Experience

**Years with HBC**  
19 years

**Education**  
M.S. in Civil Engineering,  
Florida International  
University (04/16/1999)  
B.S. in Civil Engineering,  
Florida International  
University (12/19/1992)

**Registration(s)**  
PE (FL) No. 50728  
(08/02/1996)  
PE (PR) No. 27906  
(06/27/2019)  
PSM (FL) No. LS7484  
(06/02/2023)

**Licenses & Certifications**  
Advanced Maintenance of  
Traffic Training  
OSHA-30 Hour Certificate  
Part 107 Remote Pilot  
Certificate

**Expertise**  
Civil engineering,  
construction management,  
project controls, quality  
assurance/quality control  
(QA/QC), water and  
wastewater infrastructure,  
roadway design,  
signalization, maintenance  
of traffic (MOT),

**Edgar Diaz, MS, PE, PSM**

this project which included the additions of decorative lighting throughout the corridor. Overall project required design for drainage, lighting, signalization, roadway reconstruction as well as public involvement. This consisted of the addition of bike lanes, street parking, pavement reconstruction, an enhanced storm sewer system, curb and gutter repairs, and sidewalk reconstruction, new pavement, horizontal and vertical geometry, side street and plateau intersection signalization, sign and pavement marking, and preparation of TTCP. Coordination was also made between all design disciplines such as roadway, signalization, SPM, street lighting, landscaping, drainage, water main lines, utilities, and environmental, and railroad company while maintaining the project on schedule. *Location: Miami, FL. Dates: 2017–2019. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

**Florida Department of Transportation (FDOT) District 4, SR-A1A from South of Jasmine Ln to North of SR-60/Beachland Blvd.** Project Engineer for this project, which consisted of milling and resurfacing, repairing damaged sidewalk, adding bike lanes, constructing sidewalk on east side at gap location, retrofitting lighting at the signalized intersection of SR-A1A and Beachland Boulevard, and lighting for 2 new midblock crosswalks on SR-A1A at Iris Lane and Dahlia Lane. *Location: Indian River County, FL. Dates: 2019–Ongoing.*

**City of Pembroke Pines, Street Lighting Inventory and Illumination Levels Study.** Project Engineer responsible for establishing illumination criteria and minimum illumination levels; compiling a detailed inventory and report on the quantity and type of existing street lighting; preparing a photometric light study for all street lights on city-owned streets and presenting, at a minimum, the light intensity and uniformity; developing a geodatabase of more than 3,000 FPL light poles using GIS tools; evaluating and prioritizing potential infrastructure improvements; providing general guidelines for street lighting, which denoted typical locations and spacing of roadway lighting; preparing a Roadway Lighting and Policy Development Report; reviewing application of LED lighting; creating the Resident Streetlight Request procedure; and developing a Roadway Lighting Policy and standard that could be applied to evaluating lighting along City of Pembroke Pines streets. *Location: Pembroke Pines, FL. Dates: 10/07/2020-2021. Reference: Karl M. Kennedy, PE, CFM, (954) 518-9040, KKennedy@ppines.com. Contract Amount: \$250K. Contract No.: PSEN-19-10.*

**Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design Build Services for NE 2nd Avenue Reconstruction from NE 69th Street to NE 84th Street.** Project Engineer responsible for developing construction plans for this project, which included the design of drainage, lighting, signalization, Signing and Pavement Marking (S&PM), and roadway reconstruction, as well as extensive public involvement and utility coordination. The design involved widening and reconfiguring 5,016' of a 4-lane roadway segment, which included bike lanes, street parking, pavement reconstruction, an enhanced storm sewer system, curb and gutter repairs, and sidewalk reconstruction. The project coordination included design disciplines such as roadway, signalization, S&PM, street lighting, landscaping, drainage, water main lines, utilities, and environmental mitigation, while maintaining the project on schedule. The Temporary Traffic Control Plan (TTCP) involved shifting traffic to facilitate construction through a railroad crossing, while keeping the existing railroad crossing gate. This required coordination with the railroad company and a provision in the design for a railroad flagger during construction. *Location: Miami, FL. Dates: 03/02/2016–2017. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov. Contract Amount: \$985K. Construction Cost: \$10.4M. Contract No.: DB15-PWWM-01.*

# Jose A. Lopez, PE

## Minor Highway Design

Jose specializes in civil engineering, with expertise in roadway design, signalization, Signing and Pavement Marking (S&PM), storm drainage, and utility relocations. He has served as Engineer of Record (EOR) for various Florida Department of Transportation (FDOT) projects, including districtwide resurfacing, safety improvements, and signalization upgrades. His project portfolio includes major roadway reconstruction, traffic signal optimization, and pedestrian safety enhancements for FDOT, Miami-Dade County, and Florida's Turnpike Enterprise. Jose is proficient in ICPR V4, FDOT Specifications Package Preparation, and Temporary Traffic Control (TTC) design.

**Florida Department of Transportation (FDOT) District 4, SR-80/ Southern Blvd from West of Lion Country Safari Rd to Forest Hill Blvd/Crestwood Blvd.** Signalization Engineer for designing the signalization system for six signalized intersections along SR-80/Southern Blvd from west of Lion Country Safari Rd to Forest Hill Blvd/Crestwood Blvd as part of the Florida Department of Transportation (FDOT) District 4 project. The corridor experienced high-speed conditions exceeding posted limits, requiring strategic signalization improvements to enhance safety and traffic operations. The design included new traffic signals at five intersections and the installation of a new signal with advanced warning flashing beacons, advanced loops, and vehicle video detection cameras to improve driver awareness and response time. *Location: Palm Beach County, FL. Dates: 2016–2017. HBC Fee: \$33.5M. Reference: MD Rahman, PE, (954) 481-2812, MD.rahman@stantec.com.*

**Florida Department of Transportation (FDOT) District 4, Hollywood Gardens Sidewalk Improvement Project.** Performed analysis and drainage design structures for a 40-acre area, which included French drains, electrical load and photometric analysis, 25,000 LF of sidewalks to replace existing damaged and missing gaps with ADA compliant sidewalk. Also prepared drainage report. *Location: Broward County, FL. Dates: 2016–2017. Reference: Kenzot Jasmin, (954) 777-4462, Kenzot.Jasmin@dot.state.fl.us.*

**Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements.** Roadway Engineer for designing roadway improvements from the Broward Miami-Dade County Line to North of Sample Road and SR 858/Hallandale Beach Blvd. from Edmund Road to SW 58th Ave. throughout 25 intersections that include “yield to pedestrian” signs, count down pedestrian signals, lighting retrofits, ADA ramps, high emphasis crosswalks, a new signalized restricted crossing, and sidewalk/bike lane construction, widening and flexible pavement design. Design also involved improvements for shared use paths and sidewalks on SR 7/US 441 between Oakes Rd. and the New River Greenway and SR 838/Sunrise Blvd. from SR 7/ US 441 to NW 31st Ave. Also responsible for necessary interdisciplinary coordination. Design improvements excelled in increasing passenger transit and enhancing overall patron experiences. *Location: Broward County, FL. Dates: 2018–Ongoing. HBC Fee: \$1.7M. Reference: Robert Lopes, PE, (954) 777-4425, Robert.Lopes@dot.state.fl.us.*



**20** Years of Experience

**Years with HBC**  
6 years

**Education**  
B.S. in Civil Engineering,  
Polytechnic University of  
Puerto Rico (05/02/2005)

**Registration(s)**  
PE (FL) No. 81014  
(04/28/2016)  
PE (PR) No. 21897  
(10/05/2007)

**Licenses & Certifications**  
30-HR OSHA Certification  
TTC Advanced # 74153  
ICPR V4 Training  
FDOT Specifications  
Package Preparation

**Expertise**  
Signalization, storm  
drainage design, roadway  
design, utility relocations,  
temporary traffic control  
(TTC), pedestrian and  
bicycle infrastructure,  
construction engineering  
and inspection (CEI).

**Jose A. Lopez, PE**

**Miami-Dade County Department of Transportation and Public Works (MDC-DTPW) NE 2nd Avenue Reconstruction from NE 20th St to NE 36th St Design-Build.** Signalization Engineer of Record for designing and implementing traffic signal system improvements at four signalized intersections along the NE 2nd Avenue corridor as part of the Miami-Dade County Department of Transportation and Public Works (MDC-DTPW) NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build project. The signalization scope includes replacing mast arms, signal heads, and pedestrian signals; upgrading vehicle detection systems with loop detection and advanced video detection technology; and ensuring compliance with MDC-DTPW and FDOT standards for long-term system reliability. *Location: Miami, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-02. HBC Fee: \$13.7M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

**Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Design Build Services for NE 2nd Ave Reconstruction from NE 69th Street to NE 84th Street.** Roadway Engineer of Record (EOR) for the widening and reconfiguration design of 5,016 feet of the four-lane undivided roadway segment. The corridor is generally commercial and light industrial with some residential areas. Improvement design included the addition of bike lanes, street parking, pavement reconstruction, an enhanced storm sewer system, curb and gutter repairs, and sidewalk reconstruction. Design also involved new pavement, horizontal and vertical geometry, side street and plateau intersection signalization, S&PM, and preparation of TTCP. Coordination was also made between all design disciplines such as roadway, signalization, SPM, street lighting, landscaping, drainage, water main lines, utilities, and environmental while maintaining the project on schedule. Performed pavement design and calculations. Project also included extensive public involvement and utility coordination. TTCP involved shifting of traffic as required to facilitate construction through railroad crossing while maintaining the existing railroad-crossing gate. This required coordination with the railroad company and provision in the design for a railroad flagger during construction. *Location: Miami-Dade County, FL. Dates: 2016–2019. HBC Fee: \$9.8M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*

**Florida Department of Transportation (FDOT) District 6, SR-25/NW 36th Street from NW 20th Avenue to NW 19th Avenue.** Roadway Engineer for implementing safety and operational enhancements along SR-25/NW 36th Street from NW 20th Avenue to NW 19th Avenue in the City of Miami, as part of FDOT District 6's safety improvement initiative. This project stemmed from a comprehensive Safety Study and included the design and installation of a new mast arm structure supporting a high-intensity activated crosswalk (HAWK) signal at the mid-block pedestrian crossing. The scope also encompassed S&PM design, as well as pavement improvements to enhance visibility, traffic operations, and pedestrian safety while ensuring compliance with FDOT standards. *Location: Miami-Dade County, FL. Dates: 2018–2021. Reference: Jason Chang, PE, (305) 470-5331, Jason.Chang@dot.state.fl.us.*

**Florida Department of Transportation (FDOT) District 6, SR-922/NE 125th St at NE 10th Ave Intersection.** Project Manager and Engineer of Record for intersection improvements, drainage, and signage design. In charge of designing mast arms placements and pedestrian signals, preparing TTCP, along with coordinating with the structural engineer. Pavement design was also completed. *Location: Miami-Dade County, FL. Dates: 2017–2019. Reference: Jason Chang, PE, (305) 470-5331, Jason.Chang@dot.state.fl.us.*

**Florida Department of Transportation (FDOT) District 6, SR-90/SW 8th Street and SW 147th Avenue Safety Improvement Project.** Responsible for designing improvements to optimize safety and operations at the high-speed intersection of SR 90/SW 8th St. and SW 157th Ave., which was carried out through 0.52 miles. Tasks consisted of widening the northbound lanes providing an exclusive free flowing left and right turn lane and widening of the eastbound and westbound accelerations lanes. Design also included shoulder reconstruction, milling and resurfacing, S&PM, new guardrails, bike lanes, and signage. Performed pavement design and calculations. Also prepared design variations. *Location: Miami-Dade County, FL. Dates: 2017–2019. HBC Fee: \$698K. Reference: Jason Chang, PE, (305) 470-5331, Jason.Chang@dot.state.fl.us.*

# Alexander Tzenkov, EI

## Signalization Engineering

Alexander specializes in roadway design, signalization, and transportation infrastructure improvements, contributing to multimodal transportation solutions. He has worked with FDOT Districts 4 and 6, Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), the City of Florida City, and the City of Riviera Beach on roadway expansion, traffic signalization, and corridor improvement projects. His expertise includes designing signalization systems, shared-use paths, pedestrian and bicycle facilities, and Temporary Traffic Control Plans (TTCPs) to maintain traffic operations during construction. He is skilled in resurfacing and rehabilitation (RRR) studies, pavement restoration, and corridor enhancements to improve transportation networks. Passionate about delivering efficient and safe infrastructure solutions, Alexander is committed to optimizing urban mobility and traffic operations.

**Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build.** Project Engineer for the reconstruction of NE 2nd Avenue from NE 20th Street to NE 36th Street and includes the replacement of the existing drainage system; the replacement of all mast arms at the signalized intersections of NE 20th, NE 21st, and NE 29th Streets; two new midblock crossings at NE 23rd and NE 25th Streets; and enhancing the pedestrian signal at the southeast corner at NE 36th Street. For the three intersections with full mast arm replacement upgrades, the existing power disconnects with meters were upgraded to meet standards and the signal cabinets were also replaced. Intersection improvements were carefully analyzed, taking into consideration the existing back of sidewalk constraints, the existing aboveground and underground utilities, and the existing signalization system. To avoid conflicts, the existing signalization system will remain operational until the proposed system is completed and operational. Alexander serves as Engineering Technician for the roadway design, signal design, the Temporary Traffic Control Plans (TTCPs) Roadway design aspects includes, but not limited to, the roadway proposed horizontal and vertical alignment, mainline connections to the side streets, back of sidewalk profiles, and grading plans. *Location: Miami, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-02. HBC Fee: \$12.6M. Reference: Alejandro Sauleda, (305) 375-4866, Alejandro.Sauleda@miamidade.gov.*

**Miami-Dade County Department of Transportation & Public Works (MDC-DTPW), NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build.** Project Engineer for the reconstruction of a one mile stretch along NW 84th Ave, consisting of an existing 2-lane roadway that will be expanded into a 4-lane roadway with a Two-Way Left-Turn Lane (TWLTL), where Right-of-Way (ROW) is available. Alexander is acting as Engineering Technician and is responsible for assisting in designing roadway, and signalization improvements. Alexander is responsible for the design of the level 2 Temporary Traffic Control Plans (TTCP), taking into account the requirements to maintain traffic operational and allow business access at all times throughout construction. *Location: Miami, FL. Dates: 2022–Ongoing. Contract No.: DB21-DTPW-04. HBC Fee: \$7M. Reference: Alejandro Sauleda, (305) 375-4866, alejandro.sauleda@miamidade.gov.*



**3** Years of Experience

**Years with HBC**  
3 years

**Education**  
B.S. in Civil Engineering  
(Summa Cum Laude),  
Florida International  
University (12/12/2020)

**Licenses & Certifications**  
TTC Advanced # 624238

**Expertise**  
Roadway design,  
signalization, maintenance  
of traffic (MOT), temporary  
traffic control plans  
(TTCP), resurfacing and  
rehabilitation (RRR),  
pedestrian and bicycle  
infrastructure, pavement  
restoration.

**Alexander Tzenkov**

**Florida Department of Transportation (FDOT) District 4, SR-817/University Dr Widening from Nova Dr to SR-84.** Project Engineer for this project. The Florida Department of Transportation (FDOT) proposed the construction of major roadway and drainage improvements along SR-817/University Drive from Nova Drive to SR-84. The improvements include roadway widening to accommodate a proposed auxiliary lane from NW 23rd Street to connect to the WB I-595 on-ramp; relocating existing drainage structures, overhead signs, signalization improvements; reconfiguring the bus stop bay at the NE corner of Nova Drive and SR-817/University Drive; and reconfiguring right turn lanes for the Royal Grand Community, PNC Bank, and Nova Drive. Alexander serves as Engineering Technician and is responsible for assisting in design and plan development. Design aspects include, but are not limited to, signal design and plans production, typical section package, roadway horizontal and vertical alignments, 2D and 3D designs and roadway plans production. *Location: Davie, FL. Dates: 2022–Ongoing. HBC Fee: \$1.75M. Reference: Adham Naiem, PE, (954) 777-4440, Adham.Naiem@dot.state.fl.us.*

**Florida Department of Transportation (FDOT) District 6, Districtwide Resurfacing Scoping Reports.** Project Engineer for the this Task Work Order (TWO) based contract. The main objective of this Contract is to assist the FDOT D6 in planning, developing, and delivering transportation projects under its Resurfacing, Restoration, and Rehabilitation (RRR) Program, to ensure compliance with state-allocated lane mile targets. HBC has completed over 20 TWOs under this Contract. Alexander is serving the role of Engineering Technician and is responsible for assisting in preparing districtwide resurfacing scoping reports, by analyzing the existing conditions, to determine deficiencies and establish or substantiate the project purpose and need. Most deliverables are preliminary cost sections, based on the engineer's estimates, preliminary drainage analysis and plans, conceptual roadway plans, approved typical section package, and variances and exceptions sections. *Location: Miami-Dade County, FL. Dates: 2022–Ongoing. Reference: Nicholas Danu, PE, (305) 470-5219, Nicholas.Danu@dot.state.fl.us.*

**City of Riviera Beach, Raw Water Transmission Main Improvements Progressive Design-Build.** Project Engineer for the construction of a new raw water treatment plant and the expansion of the existing raw water network in the City of Riviera Beach. The project includes the installation of new wells and new raw water transmission mains to connect proposed wells to the treatment plant. Alexander is responsible for the development of pavement restoration plans for areas affected by the raw water transmission main alignment. Pavement restoration is to occur along Avenue R, W15th Street, and Avenue L. Constant coordination with the City of Riviera Beach is necessary to ensure the project schedule, scope, and budget are met. *Location: Riviera Beach, FL. Dates: 2022–Ongoing. HBC Fee: \$2M. Reference: Edgar Diaz, (786) 385 6824, ediaz@hbcengineeringco.com.*

**Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements - Task Work Order 3.** Engineering Technician and is responsible for assisting in the design of a proposed sidewalk to improve pedestrian connectivity between three intersections, including a signalized marked crossing. He is also responsible for designing three shared-use paths. One shared-use path is almost 1 mile long and connects the end of the proposed sidewalk to an existing shared-use path. The second path connects the path from SR-7/US-441 to Riverland Woods Park, by going in a serpentine path underneath the I-595 off ramp, before connecting to the park. The last shared-use path is 1.5 miles long, connects SR-7/US-441 to NW 34th Avenue and NW 31st Avenue along a canal, and includes a midblock crossing with a rapid flashing beacon across NW 34th Avenue. Minor signalization improvements within the project limits to address impacted ADA curb ramps and crossing, by replacing pedestrian countdown pedestals and detection. Responsibilities also include plans development. *Location: Broward County, FL. Dates: 2019–Ongoing. HBC Fee: \$1.2M. Reference: Robert Lopes, (954) 777-4425, Robert.Lopes@dot.state.fl.us.*

# Osmin Ocon, EI

## Minor Highway Design

Osmin is a civil engineering professional with valuable experience focusing on roadway, highway, and signalization projects for clients such as the Florida Department of Transportation (FDOT), Broward County, and Miami-Dade County. Osmin has contributed to a variety of high-impact projects, including the Broward County School Zone Flasher Improvements, SR-7/ US-441 Transit Corridor Enhancements, and NE 2nd Avenue Reconstruction in Miami-Dade County. His specialties include creating 3D CADD designs, conducting site visits for utility verification, and developing complete signalization plans for roadway widening and pedestrian safety upgrades. With a strong foundation in transportation infrastructure and a commitment to delivering effective, compliant engineering solutions, Osmin is known for his technical skills, attention to detail, and ability to collaborate with public agencies and multidisciplinary teams.

**City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project.** Roadway and Signalization Designer of the project to evaluate a selected alternative as part of a PD&E study for reconstructing Johnston Street from North 30th Road to North Dixie Highway to accommodate a new interconnected sidewalk on one side of the street, new lighting, fully reconstructed two-lane two-way roadway with a center turn lane, new transit bus stops, and new drainage system within the existing Right of Way (ROW). HBC conducted a Limited Topographic Survey, Data Collection, Development of Conceptual Design Alternatives, Traffic Analysis of the Alternatives, and Public Involvement Coordination. *Location: Broward County, FL. Dates: 2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3925, llopez@hollywoodfl.org*

**Palm Beach County (PBC), Boca Rio Road Widening from Palmetto Park Rd to Glades Rd.** Signalization designer of the widening and reconstruction of Boca Rio Road from Palmetto Park Road to Glades Road in Palm Beach County. Responsible for providing the drainage structure cross sections, drainage maps, and spread calculations.. *Location: Palm Beach County, FL. Dates: 10/2023–Ongoing. HBC Fee: \$660,977. Reference: Jonathan DeLaura, (561) 684-4013, jdelaura@pbcgov.org.*

**Florida Department of Transportation (FDOT) District 4, SR-817/ University Dr Widening from Nova Dr to SR-84.** This roadway widening project involves the design of signalization improvements, which include the replacement of mast arms, due to the roadway widening and new lane configurations, as well as and the placement of new pedestrian countdown signals, per the Manual on Uniform Traffic Control Devices (MUTCD), at the proposed pedestrian crossing locations. Osmin is responsible for developing a complete set of signalization plans for the proposed roadway widening and signalization improvements. *Location: Broward County, FL. Dates: 2023–Ongoing. HBC Fee: \$1.75M. Reference: Adham Naiem, (954) 777-4440, adham.naiem@dot.state.fl.us.*



**3** Years of Experience

**Years with HBC**  
3 years

**Education**  
B.S. in Civil Engineering, Florida International University (05/07/2022)

B.S. in Industrial Engineering, Universidad Nacional de Ingenieria (12/22/2012)

**Registration(s)**  
EI (FL) No. 1100026399 (01/25/2023)

**Licenses & Certifications**  
Production Management Certification

Professional Updating Seminar Certification

II Management Leadership Seminar Certification

Industrial Electricity Certification

**Expertise**  
Roadway design, signalization, transportation infrastructure, utility coordination, 3D CADD design, pedestrian safety improvements, site verification, drainage analysis, traffic

## Osmin Ocon, EI

**Broward County Public Works Department, 2 School Zone Flasher Improvements Projects.**

This project involved designing upgraded solar dual LED ground-mounted school zone flashers to replace twelve (12) existing electric power ground-mounted school zone flashers at five (5) locations near Broward Estates Elementary School in the City of Lauderhill and four (4) existing electric power ground-mounted school zone flashers at two (2) locations near Oakridge Elementary School in the City of Hollywood. This project required relocating existing school signs for plan development, revising and modifying annotations, and creating civil labeler call outs. *Location: Broward County, FL. Dates: 2022-2023. HBC Fee: \$78K. Reference: Jose Lopez, PE, Jlopez@hbcengineeringco.com.*

operations, construction documentation.

**Florida Department of Transportation (FDOT) District 4, SR-7/US-441 Transit Corridor Improvements - Task Order 3.**

Signalization designer for the transit corridor improvements along SR-7/US-441, including three shared-use paths, a midblock crossing with a rapid-flashing beacon, and minor signalization improvements to address impacted ADA curb ramps and crossings, by replacing pedestrian countdown pedestals and detection. Osmin created 3D CADD design drawings of existing utilities and performed site visits to verify the location of the utilities. *Location: Broward County, FL. Dates: 2019–Ongoing. HBC Fee: \$1.2M. Reference: Robert Lopes, (954) 777-4425, Robert.Lopes@dot.state.fl.us.*

**Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build.**

This Design-Build project involves the reconstruction of NE 2nd Avenue from NE 20th Street to NE 36th Street and includes the replacement of all mast arms at 3 signalized intersections at NE 20th, NE 21st, and NE 29th Streets; 2 new midblock crossings at NE 23rd and NE 25th Streets; and enhancing the pedestrian signal at the southeast corner at NE 36th Street. For the 3 intersections with full mast arm replacement upgrades, the existing power disconnects with meters were upgraded to meet standards and the signal cabinets were also replaced. Intersection improvements were carefully analyzed, taking into consideration the existing aboveground and underground utilities and existing signalization system, to avoid conflicts, while keeping the existing signalization system operational until the proposed system is completed and operational. Osmin created 3D CADD design drawings of existing utilities and performed site visits to verify the location of the utilities. *Location: Miami-Dade County FL. Dates: 2022–Ongoing. HBC Fee: \$12.6M. Reference: Alejandro Sauleda, 305-375-4866, Alejandro.Sauleda@miamidade.gov.*

**Puerto Rico Aqueduct and Sewer Authority (PRASA), El Yunque (Las Picúas) Wastewater Treatment Plant (WWTP) Elimination.**

Pipeline Layout Designer for the design of two new sanitary pump stations and force mains. The project also involved the decommissioning of the existing WWTP and the integration of new infrastructure, including stormwater management and utility assessments. HBC performed detailed demolition plans, site grading, and capacity analysis of existing systems to ensure smooth transition and compliance. *Location: Rio Grande, Puerto Rico, FL. Dates: Ongoing. Reference: Adamaris J. Quiñones, PE, Program Manager.*

**Puerto Rico Aqueduct and Sewer Authority (PRASA), Improvement to Sanitary Trunk Sewer Van Scoy.**

Pipeline Layout Designer for the survey, topography, and Subsurface Utility Engineering (SUE) services for the Improvement to Sanitary Trunk Sewer Van Scoy project. The scope included conflict detection, soft digs, and flow measurement studies to address capacity limitations in the Bayamon Municipality. HBC prepared design reports, drawings, cost estimates, and managed permits to ensure compliance with local regulations. *Location: Puerto Rico, FL. Dates: 04/2024-Ongoing. Reference: Ramon Ortiz, 787.781.9050, Ramon.Ortiz-Morgado@jacobs.com.*

# Juan J. Flores, Jr., PhD, AICP

## Transit and Transportation Planning

Dr. Flores has over 20 years of intermodal and QA/QC project management experience spanning state and local governments as well as private industry. He is a proven quality assurance manager with expertise in improving customer satisfaction, preventing critical quality issues, and optimizing team performance. While working for the Qatar Free Zone (Doha), he identified and implemented new QC guidelines, reducing inspection times by 27% and realigning the Zone's Health, Safety, and Environment standards as their Project Lead. He has managed and organized QA plans and performed quality control testing for over 50 cases and projects annually. In the Middle East, Dr. Flores leveraged his quality control inspection background on mid- to large-sized mega projects (highway corridors, warehousing, water/sewer systems, and infrastructure) to ensure product quality and compliance. Additionally, he brings expertise in Project Development and Environment (PD&E) studies, transportation planning, and multimodal systems, including transit systems, further enhancing his capability to manage complex and interdisciplinary projects.

**\*Miami-Dade County Planning Department, Comprehensive Development Master Plan (CDMP).** Planner for leading long-range planning efforts and policy development to support sustainable growth and community resilience. Focused on growth management, historic preservation, urban planning, sustainability planning, and multimodal transportation development through the Comprehensive Development Master Plan (CDMP) and related initiatives. Collaborated with key stakeholders, including the Department of Environmental Resources Management (MDC-DERM), Water and Sewer Department (MDC-WASD), Parks, Recreation and Open Spaces Department (MDC-PROS), and Zoning, to ensure land development policies and infrastructure planning aligned with the county's long-term vision and regulatory requirements. *Location: Miami-Dade County, FL. Dates: 2024.*

**\*Miami-Dade Transportation Planning Organization (TPO), SR-953/Le Jeune Road at SR-90/SW 8th Street Intersection Improvement Study.** Transportation Planner for assessing needs and identifying, evaluating, and documenting short-term and long-term multimodal transportation improvements, including intersection enhancements. Verified transportation demands and analyzed alternative designs and concepts such as movement restrictions, lane re-purposing, diversions, and signal timing phasing adjustments to improve safety and operational efficiency for all modes of travel. *Location: Miami, FL. Dates: 2020-2020.*

**\*Florida Department of Transportation (FDOT) District 1, Districtwide Systems Planning for Port and Freight Services.** Project Manager for the Freight Mobility and Transportation Plan (FMTP), responsible for freight mobility planning across multiple modes, including highways, rail, seaports, and aviation, as well as conducting freight logistics business research. The project included collaborating with Port Manatee to identify and develop



24 Years of Experience

### Years with HBC

1 year

### Education

PhD in Business Operations, Oklahoma State University (12/18/2022)

MBA in Finance, Mississippi College (08/18/2011)

M.S. in Logistics, George Mason University (01/15/2005)

B.A. in Business Operations, Purdue University (05/01/2001)

### Licenses & Certifications

U.S. Small Business Development Centers (SBDC) Certificate of International Trade & Commerce

Massachusetts Institute of Technology (MIT), Certificate of Supply Chain Management and Logistics

Rutgers University, Certificate of Advanced Infrastructure and Transportation

Salesforce Certification

SPSS Statistical Software

**J. Flores Jr., PhD, AICP**

capacity enhancements in alignment with port master planning and development objectives. Dr. Flores oversaw all freight mobility planning efforts, freight logistics research, and capacity enhancement initiatives for Port Manatee, ensuring the project aligned with strategic planning goals and supported long-term freight transportation and logistics needs. *Location: Bartow, FL. Dates: 2019-2024.*

**\*Texas Department of Transportation (TxDOT) Transportation Planning and Programming (TP&P), Statewide Corridor Planning Contract.**

Technical Advisor for this \$25M indefinite deliverable contract providing contract/project management/oversight and quality management for 14 work authorizations. Also led technical planning analysis aspects for US 281 and I-30 corridor studies. Performed professional planning activities on as needed basis to perform transportation planning services associated with MPOs. *Location: Austin, TX. Dates: 2019-2024.*

**\*Hillsborough County Metropolitan Planning Organization (MPO) General Planning Consultant - Long Range Transportation Plan.**

Technical Planning Advisor for the MPO's 2040 Long Range Transportation Plan (LRTP) Needs Assessment, tasked with identifying the County's transportation needs for 2040. The project utilized a unique approach to defining transportation needs, focusing on five investment categories: system preservation, safety, alternatives to driving, congestion relief, and major projects. Each emphasis area was designed to align with and satisfy the requirements of MAP-21, ensuring a thorough and compliant evaluation of necessary investments. The findings were integrated into the MPO's Imagine 2040 outreach strategy. Dr. Flores's responsibilities included providing guidance on all aspects of the LRTP Needs Assessment, evaluating and prioritizing the five investment categories, and ensuring full alignment with MAP-21 requirements for transportation investment planning. He also supported the development of actionable strategies that informed the MPO's long-term transportation vision. *Location: Hillsborough County, FL. Dates: 2017-2019.*

**\*City of Largo, Downtown Largo Multimodal Transportation Plan.** Technical Planning Advisor for the Multimodal Plan, developing mobility strategies for citywide application under the Strategic Plan. Advised on policy integration into the Comprehensive Plan, Development Code amendments, and Capital Improvement Programs. Led alternative mobility strategy evaluation and public engagement to ensure community alignment and strategic implementation. *Location: Largo, FL. Dates: 2018-2018.*

**\*Maryland Department of Transportation (MDOT), Planning and Programming, Office of Freight and Multimodalism.** Technical Advisor for the office of freight responsible for developing and managing the state and federal programs for the modal and intercity passenger rail, in order to facilitate and improve the safe and efficient travel of goods and people across all transportation modes. *Location: Hanover, MD. Dates: 2020-2024.*

**\*Georgia Department of Transportation (GDOT), Statewide Rail Planning Services.** Technical Advisor for funding, policy and transportation economics. The Statewide Rail plan will be developed through the integration of several project tasks including: an inventory of the existing freight and passenger rail system, analysis of the rail's economic impact to GA, condition and evaluation of state-owned lines, planning, data collection and asset inventor. *Location: Atlanta, GA. Dates: 2020-2024.*

JMP Pro Software

Mplus

Tableau

**Awards**

2019 Brookings Institute National Honor Award - Top 10 Most Innovative Economic Development Initiatives

**Expertise**

Project management, intermodal transportation, quality assurance and control, infrastructure planning, transportation planning, environmental management, safety and health standards, logistics, asset management, congestion management, multimodal transportation, policy development, freight and rail planning.

**\*Prior to HBC**

# Moatz Saad, PhD, PE, PTOE, IMSA II

Transit and Transportation Planning | Traffic Engineering & Safety Studies

Dr. Saad specializes in Transportation Engineering, Traffic Safety, Traffic Simulation, and Connected and Autonomous Vehicles. He has led projects across South Florida involving Transportation Management Plans, traffic simulations, dynamic assignments, and Smart Work Zones. His expertise includes traffic impact analyses, safety reviews, fatality studies, and applying statistical models and data mining for safety and operational analysis. He also analyzes Big Data sources such as MVDS, AVI, and crowdsourced smartphone data for traffic safety projects.

**City of Hollywood, Johnson Street from N 30th Road to N Dixie Highway Complete Streets Project.** Moatz was the Traffic Lead of the project to evaluate a selected alternative as part of a PD&E study for reconstructing Johnson Street from North 30th Road to North Dixie Highway to accommodate a new interconnected sidewalk on one side of the street, new lighting, fully reconstructed two-lane two-way roadway with a center turn lane, new transit bus stops, and new drainage system within the existing Right of Way (ROW). HBC conducted a Limited Topographic Survey, Data Collection, Development of Conceptual Design Alternatives, Traffic Analysis of the Alternatives, and Public Involvement Coordination. Moatz conducted the traffic operations analysis involving traffic counts, traffic forecasting, Synchro Analysis for all alternatives, crash data analysis, HSM analysis, and providing recommendations for each alternative. *Location: Hollywood, FL. Dates: 2023–Ongoing. Reference: Luis Lopez, PE, (954) 921-3925, llopez@hollywoodfl.org.*

**Florida Department of Transportation (FDOT) District 4, SR-817/ University Dr Widening from Nova Dr to SR-84.** Moatz was the Traffic Lead who conducted the safety and operational analysis for three different concepts along SR-817 from Nova Drive to SR-84. Vissim microsimulation and Synchro analyses were performed for comparing measures of effectiveness between intersections. Signal retiming and Surrogate Safety Assessment Model (SSAM) analysis were conducted. Target speed study was also prepared for the studied segment. *Location: Davie, FL. Dates: 2022–2023. Location: Davie, FL. Dates: 2022–2023. Reference: Lance Jones Jr, (954) 777-4680 lance.jones1@dot.state.fl.us. FM # 44562-4-13-20, Contract No. CAI67*

**Florida Department of Transportation (FDOT) District 4, Districtwide Traffic Operations Data Collection.** Moatz is serving as Project Manager for this contract, in which HBC is conducting routine traffic data collection activities for FDOT District 4 on a TWO basis. Project tasks include collection of turning movement counts, spot speed and speed profile data, volume and classification counts, pedestrian and bicycle data, and travel



**13** Years of Experience

**Years with HBC**  
6 years

**Education**  
PhD in Civil Engineering,  
University of Central  
Florida (08/03/2019)  
M.S. in Transportation  
Engineering, University of  
Central Florida (12/16/2016)  
B.S. in Civil Engineering,  
Alexandria University  
(08/01/2012)

**Registration(s)**  
PE (NC) No. 056192  
(05/04/2023)

PTOE No. 5763  
(07/09/2024)

TIN No. S30054591

**Licenses & Certifications**  
SAS Data Mining Certificate

FSUTMS Modeling  
Certificate

FDOT TTC Advanced  
Certificate - # 632512

IMSA Traffic Signal  
Technician Level I - #  
AA\_133439

IMSA Traffic Signal Field  
Tech Level II - # BE\_133439

PTV Vissim, PTV Visum