

February 19th, 2025

City of Delray Beach

Attn: Ms. Casetra Thompson
100 NW 1st Avenue
Delray Beach, FL 33444

RE: Solicitation No. 2025-020 - Professional Engineering Design Services for Barwick Road from Lake Ida Road to L-30 Canal (City Limits)

Dear Selection Committee Members,

HBC Engineering Company (HBC) is pleased to submit our proposal in response to the **City of Delray Beach's RFQ 2025-020 for Professional Engineering Design Services for the Barwick Road Improvement Project**. Our team is dedicated to supporting the City's Complete Streets vision by enhancing pedestrian, cyclist, and vehicular safety while improving accessibility and connectivity. This project aligns seamlessly with HBC's mission to deliver innovative, community-focused infrastructure that enhances quality of life and ensures sustainable mobility solutions.

About HBC

Founded in 2006, HBC is a Florida-based, minority-owned engineering consulting firm with over 70 skilled professionals specializing in transportation, civil, and water resources. Our extensive experience in design, planning, and construction inspection for municipal and FDOT LAP-funded projects makes us well-suited for the Barwick Road Improvement Project. We have successfully delivered infrastructure projects across Palm Beach County and South Florida, working with clients such as FDOT, Palm Beach County, the Palm Beach TPA, and various municipalities.

Our firm is proudly certified as a DBE, MBE, and LDB by the State of Florida. We have a strong history of successful project delivery, outstanding performance evaluations, and high client satisfaction. Our local knowledge, technical expertise, and dedication to community engagement make HBC a valuable partner in achieving the City of Delray Beach's infrastructure goals.

We understand that the Barwick Road project aims to provide a safe, ADA-compliant shared-use path and sidewalk improvements, integrating seamlessly with the existing corridor while enhancing drainage, lighting, and roadway elements. Our approach will incorporate best practices in safety, accessibility, and sustainability to deliver a design that meets the needs of all users, including pedestrians, cyclists, and transit riders. HBC's qualifications align with the requirements set forth in the RFQ, and we have reviewed all addenda to ensure full compliance.

To meet the unique demands of this project, HBC has assembled a multidisciplinary team of highly qualified professionals and subconsultants. Led by **Adebayo Coker, PE**, as Project Manager, our team includes experts in **roadway design, traffic engineering, utility coordination, permitting, public involvement, geotechnical services, and environmental assessment**, all with extensive experience in **FDOT LAP-funded projects and Complete Streets initiatives**.

Our subconsultant team includes **GPI Geospatial, Inc., Janus Research, Inc., KCI Technologies, Inc., Media Relations Group, LLC (DBE, MBE), RES Florida Consulting, LLC d/b/a E Sciences, and Tierra South Florida, Inc. (DBE)**. This team is committed to delivering responsive, high-quality service and achieving all project milestones on time and within budget.

HBC: Delivering Excellence for the City of Delray Beach

- ✓ **Local Knowledge and Proximity:** With our office located in Boca Raton and within minutes of the project site, our team is readily available for site visits, meetings, and rapid response to any project needs.
- ✓ **Proven LAP and FDOT Expertise:** Our team's extensive experience with LAP projects ensures a deep understanding of the complexities and compliance standards required for federally funded infrastructure initiatives. To guarantee adherence to LAP requirements, we have included our dedicated **LAP Compliance Specialist, Christopher Soto, PE, RSO**, who will ensure that all processes are meticulously followed.
- ✓ **Multidisciplinary Expertise:** From civil and environmental engineering to public engagement, HBC brings comprehensive expertise across all relevant disciplines.
- ✓ **Commitment to Community Engagement:** Our dedicated **Public Involvement Officer, Paulette Summers**, will foster transparent communication with community members and stakeholders, ensuring the project has strong local support and input.
- ✓ **Innovative and Efficient Design Solutions:** Our team is dedicated to delivering efficient, cost-effective solutions that meet the City's standards and objectives for Complete Streets and sustainable urban design.

HBC is committed to delivering a high-quality design that meets or exceeds the City's expectations.

Furthermore, we understand the importance of timely project delivery, budget adherence, and strong stakeholder collaboration. Our team stands ready to bring forward-thinking solutions and reliable support to the City of Delray Beach throughout every phase of this project.

We welcome the opportunity to discuss our proposal further and provide additional information as needed. Thank you for considering HBC for this important project, and we look forward to the opportunity to contribute to the City of Delray Beach's continued infrastructure enhancements and community growth.

Sincerely,



Adebayo Coker, PE

President/CEO/Project Manager
HBC Engineering Company
proposals@hbcengineeringco.com
(305) 232-7932


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3. Minimum Qualifications

3.A Proposer's Professional License

THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION



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[AB&T Delinquent Invoice & Activity List Search](#)

LICENSEE DETAILS

8:44:36 AM 6/12/2024

Licensee Information

Name:

HBC ENGINEERING COMPANY (Primary Name)

Main Address:

8935 NW 35TH LANE
SUITE 201
DORAL Florida 33172

County:

DADE

License Mailing:

18842 SW 74TH COURT
CUTLER BAY FL 33167

County:

DADE

License Information

License Type:

Engineering Business Registry

Rank:

Registry

License Number:

27160

Status:

Current

License Date:

09/15/2006

Expires:

Special Qualifications

Qualification Effective

Alternate Names

[View Related License Information](#)

[View License Complaint](#)

3.C Conflict of Interest

HBC hereby certifies that it has no reported conflicts of interest in relation to this RFQ.


Additionally:

- No officer, director, or agent of HBC Engineering Company is an employee of the City.
- No City employee owns, directly or indirectly, any interest in HBC Engineering Company or any of its branches.

3.D Standard Form 330 Acknowledgment

HBC has completed and submitted Standard Form 330 as instructed. The submission has been provided in the required format, and the electronic form has been used as permitted.

3.B FDOT Technical Certificate



Florida Department of Transportation

RON DESANTIS
GOVERNOR

605 Suwannee Street
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.
SECRETARY

September 9, 2024

Adebayo Coker, President
HBC ENGINEERING COMPANY
8935 NW 35th Lane, Suite 201
Doral, Florida 33172

Dear Mr. Coker:

The Florida Department of Transportation has reviewed your application for prequalification package and determined that the data submitted is adequate to technically prequalify your firm for the following professional services types of work per Rule 14-75, F.A.C.:

2.0

Project Development and Environmental (PD&E) Studies

3.1

Minor Highway Design

3.2

Major Highway Design

3.3

Controlled Access Highway Design

4.1.1

Miscellaneous Structures

4.1.2

Minor Bridge Design

5.4

Bridge Load Rating

6.1

Traffic Engineering Studies

6.2

Traffic Signal Timing

6.3.1

Intelligent Transportation Systems Analysis and Design

6.3.2

Intelligent Transportation Systems Implementation

6.3.3

Intelligent Transportation Traffic Engineering Systems Communications

6.3.4

Intelligent Transportation Systems Software Development

7.1

Signing, Pavement Marking and Channelization

7.2

Lighting

7.3

Signalization

10.1

Roadway Construction Engineering Inspection

10.3

Construction Materials Inspection

10.4

Minor Bridge & Miscellaneous Structures CEI

13.4

Systems Planning

13.5

Subarea/Corridor Planning

13.6

Land Planning/Engineering

13.7

Transportation Statistics

1

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. The overhead audit has been accepted, and your firm may pursue projects in the referenced work types with fees of any dollar amount. This status shall be valid until **June 30, 2026**, for contracting purposes.


Approved Rates					
Home Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Home Direct Expense	Field Direct Expense
219.40%	119.35%	0.182%	Reimbursed	0.00%	3.93%*

*Rent and utilities excluded from field office rate. These costs will be directly reimbursed on contracts that require the consultant to provide field office.

Per Title 23, U.S. Code 112, there are restrictions on sharing indirect cost rates. Refer to Code for additional information.

Should you have any questions, please feel free to contact me by email at carliayn.kell@dot.state.fl.us or by phone at 850-414-4597.

Sincerely,



Carliayn Kell
Professional Services
Qualification Administrator

CBHK/kw

2

HBC

Professional Engineering Design Services for Barwick Rd from Lake Ida Rd to L-30 Canal (City Limits) | 4

3.E Proposer’s Business Certificate

HBC is duly registered with the State of Florida Division of Corporations and is authorized to conduct business in the State of Florida. Our registration is active and in good standing. We acknowledge that no documentation is required for this submission and understand that the City of Delray Beach will verify our registration as part of the evaluation process

3.F Scrutinized List of Prohibited Companies

HBC Engineering Company confirms that it is NOT listed on the Florida State Board of Administration Scrutinized List of Prohibited Companies. We have no further information to disclose regarding this matter.

3.G Debarred Companies List

HBC confirms that it is NOT listed on the System for Award Management (SAM) as a debarred company and is not excluded from Federal procurement or non-procurement programs. HBC has not been declared in default on any City or public entity contract, nor has it been debarred or suspended by any public entity. We acknowledge that no documentation is required and understand that the City will verify this status.

3.H Litigation History

HBC confirms that neither the company nor any of its employees have been involved in any prior or pending litigation, either civil or criminal, involving a governmental agency or that may affect the performance of the services to be rendered herein, within the last three (3) years.

4. Proposer’s Information

4.A Legal Name and State of Incorporation

- Legal Name: HBC Engineering Company
- State of incorporation: Florida

4.B Ownership Structure

Type S Corporation

4.D Proposer’s Corporate Headquarters and Office Locations

HBC Corporate Headquarters

8935 NW 35th Lane, Suite 201
Doral, FL 33172
(305) 232-7932

Boca Raton Branch Office

123 NW 13th St, Suite 308,
Boca Raton, FL 33432
(954) 519-2199

4.C W-9 Form

W-9
Form (Rev. March 2024)
Department of the Treasury
Internal Revenue Service

Request for Taxpayer Identification Number and Certification
Go to www.irs.gov/FormW9 for instructions and the latest information.

Give form to the requester. Do not send to the IRS.

Before you begin. For guidance related to the purpose of Form W-9, see Purpose of Form, below.

1 Name of entity/individual. An entity is required. For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.

2 Business name/disregarded entity name, if different from above.

3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes.

☐ Individual sole proprietor ☐ C corporation ☒ S corporation ☐ Partnership ☐ Trust/estate

☐ LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership).
Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner.

☐ Other (see instructions)

3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions.

4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3):
Exempt payee code (if any):
Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any):

5 Address (number, street, and apt. or suite no.). See instructions.
8935 NW 35th Ln Suite 201
Doral, FL 33172

6 City, state, and ZIP code.
Doral, FL 33172

7 List account number(s) here (optional).

Requester's name and address (optional)

Part I Taxpayer Identification Number (TIN)
Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.
Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Part II Certification
Under penalties of perjury, I certify that:
1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part I, later.

Sign Here Signature of U.S. person Date 01/01/2025

General Instructions
Section references are to the Internal Revenue Code unless otherwise noted.
Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.
What's New
Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.
New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).
Purpose of Form
An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

Cat. No. 10231X Form **W-9** (Rev. 3-2024)

4.E Proposer's Primary and Secondary Representatives

Primary Representative

Adebayo Coker, PE
President/CEO
(305) 232-7932
acoker@hbcengineeringco.com
8935 NW 35th Lane, Suite 201
Doral, FL 33172

Secondary Representative

Jose Lopez, PE
Vice President
(305) 232-7932
jose.lopez@hbcengineeringco.com
8935 NW 35th Lane, Suite 201
Doral, FL 33172

4.F Ownership Changes

Since its incorporation in the State of Florida on June 15, 2006, HBC has not had any ownership changes, such as mergers, acquisitions, or changes in executive leadership, and does not anticipate any ownership changes within six months of the due date and time of this City of Delray Beach proposal.

4.G Company Officers and Principals

Owners of the Firm

Adebayo Coker, PE

President/CEO

Edgar Diaz, MS, PE, PSM

Vice President

Happiness Obboh-Coker

Assistant Treasurer

Principals of the Firm

Jose Lopez, PE

Vice President

Fernando Craveiro de Sa, PhD

Vice President

Hernan Lugo, MS, PE, CFM

Vice President

Orlando Penate, PE, EE, IMSA III

Vice President

4.H Additional Information

HBC is grateful for the opportunity to be considered for this project. We are confident in our qualifications,

experience, and capacity to successfully deliver the required services. Our firm is committed to excellence, innovation, and collaboration, ensuring that our work aligns with the City of Delray Beach's vision as outlined in the 'Always Delray' Comprehensive Plan. By prioritizing mobility, sustainability, and community engagement, we strive to contribute to the City's ongoing efforts to enhance infrastructure and improve the quality of life for residents, businesses, and visitors. Additionally, HBC wishes to become a strategic partner to the City, working closely to support its long-term goals and infrastructure initiatives through reliable, high-quality engineering solutions.

4.I Pending Litigation

HBC has no prior or pending litigation, either civil or criminal, involving a governmental agency or any matter that may affect its ability to perform services under this RFQ, including any involvement of employees or subcontractors within the past three (3) years

4.J Financial Statements

HBC has provided the most recent certified business financial statements, along with a written statement confirming that the company's present financial condition remains materially the same as reflected in these statements. The financial documents accurately represent HBC's financial status, and there have been no material changes that would impact our ability to successfully fulfill the requirements of this contract.

In the event of any significant changes, HBC will promptly notify the City of Delray Beach.

These documents were submitted on February 16, 2025, via email to the procurement contact, with a copy sent to the City Clerk.

Sincerely,



Adebayo Coker, PE

President/CEO

HBC Engineering Company

proposals@hbcengineeringco.com

(305) 232-7932

5. Experience, Ability & References

5.A Proposer's Data

Founded in 2006, HBC is a Florida-based engineering consulting firm specializing in transportation, civil, and water resources engineering. With extensive experience in municipal and **FDOT LAP-funded projects**, we are a trusted partner for infrastructure improvements across Palm Beach County and South Florida.

Complete Streets design is a core strength of HBC's practice. Our team delivers complex transportation and multimodal projects that adhere to FDOT standards, ensuring safe, efficient, and accessible corridors. We specialize in roadway design, traffic control, drainage solutions, and multimodal planning, integrating traffic analysis, utility coordination, and regulatory compliance for streamlined execution.

HBC is recognized for high-quality, buildable designs and proactive project management. **We prioritize safety and accessibility**, incorporating raised crosswalks, midblock crossings, flashing beacons, and LED-lit signage to enhance pedestrian and cyclist safety. Our experience in curbless streetscapes further supports the creation of safer, shared spaces for all users.

5.B Proposer's Experience

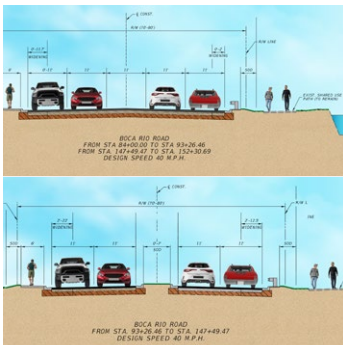
HBC has extensive experience as a **prime civil engineering design consultant** on **FDOT LAP-funded projects**, successfully delivering transportation and Complete Streets initiatives throughout South Florida. With over **19 years of expertise**, HBC has completed numerous **municipal and government agency construction projects**, demonstrating a strong understanding of federal funding requirements, regulatory compliance, and **multidisciplinary project execution**.

HBC has served as the **prime consultant** for **FDOT LAP projects** involving **roadway design, pavement reconstruction, sidewalks, shared-use paths, ADA accessibility, drainage/stormwater management, utility conflict resolution, landscaping, lighting, and traffic signal upgrades**.

Notable projects illustrating our qualifications include:



Hollywood Gardens Complete Streets Project (LAP – City of Hollywood, FL) – Design of sidewalk rehabilitation, utility coordination, drainage improvements, bicycle lanes, pedestrian ramps, and ADA-compliant structures.



Widening of Boca Rio Road (LAP – Palm Beach County) – 1.53-mile roadway widening project including intersection upgrades, closed drainage system design, ADA-compliant sidewalks, shared-use paths, and new stormwater management facilities.

HBC AT A GLANCE

490+

Total of projects completed

5.2B+

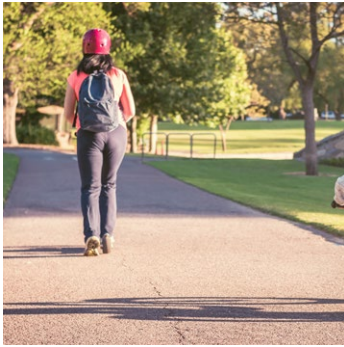
Construction dollar value of projects

19

Years of relevant experience

80+

Of dedicated staff for this contract



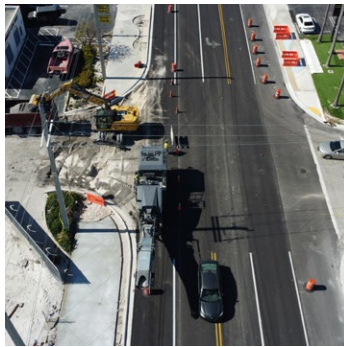
SR-7/US-441 Transit Corridor Improvements (LAP – Broward County)

– A Complete Streets initiative incorporating ADA-compliant sidewalks, shared-use paths, pedestrian crossings, lighting retrofits, utility coordination, and multimodal enhancements.



State Road 80 Widening (Palm Beach County)

– Major roadway and multimodal infrastructure upgrade featuring pavement resurfacing, pedestrian access enhancements, ADA-compliant pedestrian ramps, and traffic signal modifications.



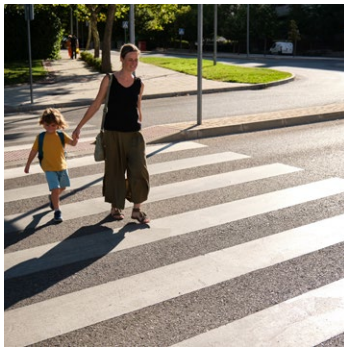
Boynton Beach Boulevard CEI Services (LAP – Boynton Beach, FL)

– Oversight of a corridor transformation project, featuring wider sidewalks, pedestrian lighting, upgraded traffic signals, and ADA-compliant pedestrian accommodations.



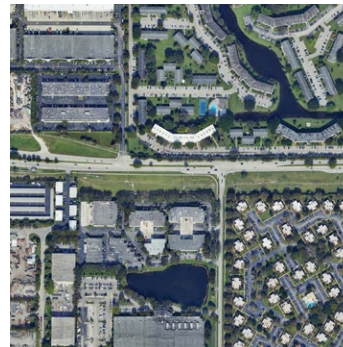
Palm Avenue Safety Enhancements (LAP – City of Hialeah, FL)

– Design of pedestrian safety improvements, raised crosswalks, midblock crossings, curb ramps, drainage solutions, and utility conflict resolution to enhance multimodal connectivity.



City of Sunrise Bicycle Lane & Sidewalk Enhancements (LAP – City of Sunrise, FL)

– Development of bicycle lanes, pedestrian pathways, and ADA-compliant infrastructure along key urban corridors to enhance safety and accessibility.



Southwest 10th Street Complete Streets Project (FDOT, Broward MPO)

– Comprehensive Complete Streets corridor improvement, including sidewalk upgrades, pedestrian ramps, signage, drainage elements, and multimodal facilities.

HBC's expertise spans **transportation planning, multimodal design, utility coordination, drainage engineering, and environmental permitting**. Our team has worked extensively in **South Florida**, collaborating with agencies such as **Palm Beach County, FDOT, the South Florida Water Management District (SFWMD), the Lake Worth Drainage District (LWDD), Florida Power & Light (FPL), and major telecommunications providers (Comcast, AT&T)**.

HBC's ability to **manage complex, federally funded projects**, combined with our **commitment to efficiency, safety, and sustainability**, makes us a **highly qualified partner** for the **City of Delray Beach's Barwick Road Improvement Project**.

Client Reference #1

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified.
Complete on Section F for each project.)

20. EXAMPLE PROJECT
KEY NUMBER

1

21. TITLE AND LOCATION (City and State)

Widening of Boca Rio Road from Palmetto Park Road to Glades Road
Palm Beach County

22. YEAR COMPLETED

PROFESSIONAL
SERVICES

CONSTRUCTION
(if applicable)

2022-Ongoing

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Palm Beach County

b. POINT OF CONTACT NAME

Carlos Bojorge, PE

c. POINT OF CONTACT TELEPHONE NUMBER / EMAIL

(561) 684-4126 / cbojorge@pbc.gov

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

HBC provided professional engineering design services to Palm Beach County for the widening of a 1.53-mile section of Boca Rio Road, from approximately 600 feet south of the eastbound off-ramp of the Palmetto Park Road intersection to 600 feet north of the Glades Road intersection. The project scope included adding a through lane in both directions and constructing a raised median where Right-of-Way was available to improve traffic flow and safety. Additionally, HBC designed a new closed drainage system, replaced four existing culverts crossing Boca Rio Road, and developed a new stormwater management facility to enhance drainage capacity and mitigate flooding risks.

As part of the improvements, all signalized intersections were upgraded to align with the proposed roadway configuration, ensuring enhanced traffic operations and pedestrian safety. By addressing roadway capacity, drainage, and intersection efficiency, this project improves overall mobility and infrastructure resilience within the corridor.

RELEVANCE TO SCOPE

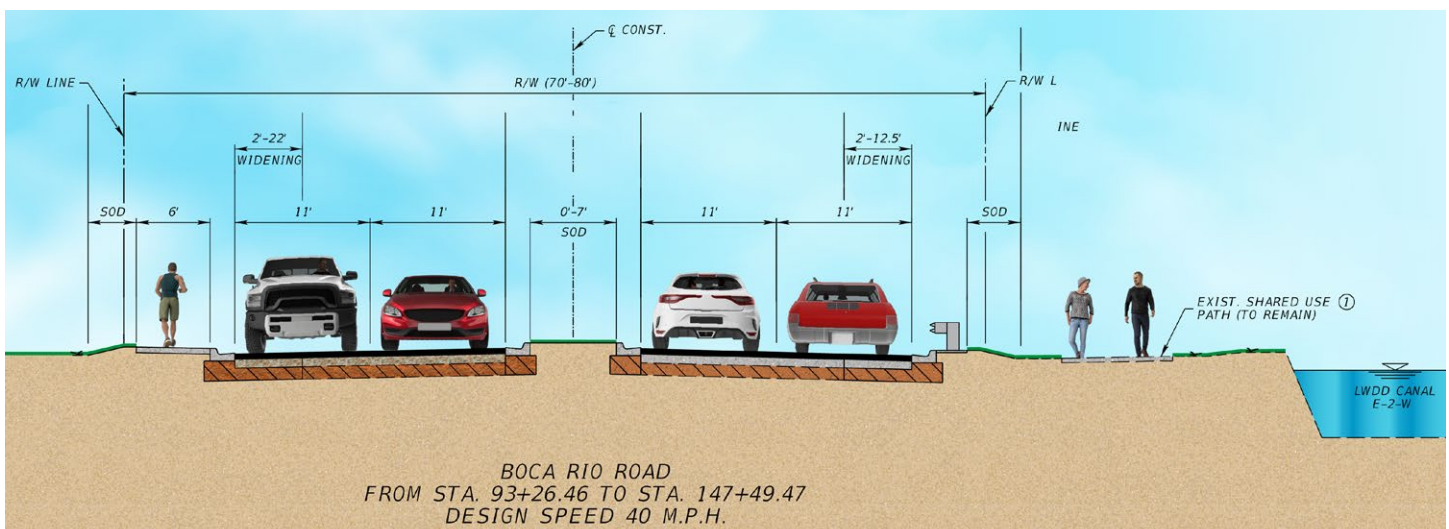
- Widening
- Drainage system
- Upgrading signals

COST

HBC Fee: \$661K



Funded by
Local Agency
Program (LAP)



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	HBC Engineering Company	Boca Raton, FL	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

ADDRESS

2300 N. Jog Rd.,
3rd Floor W.
West Palm Beach, FL
33411

Client Reference #2

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT

(Present as many projects as requested by the agency, or 10 projects, if not specified.
Complete on Section F for each project.)

20. EXAMPLE PROJECT
KEY NUMBER

2

21. TITLE AND LOCATION (City and State)

SR 7/US 441 Transit Corridor Improvements from Orange Drive to NW 31st Avenue - Task 2

Broward County, FL

22. YEAR COMPLETED

PROFESSIONAL
SERVICES

2018-Ongoing

CONSTRUCTION
(if applicable)

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

FDOT District 4

b. POINT OF CONTACT NAME

Robert Lopes, PE

c. POINT OF CONTACT TELEPHONE NUMBER / EMAIL

(954) 777-4425 / robert.lopes@dot.sate.fl.us

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

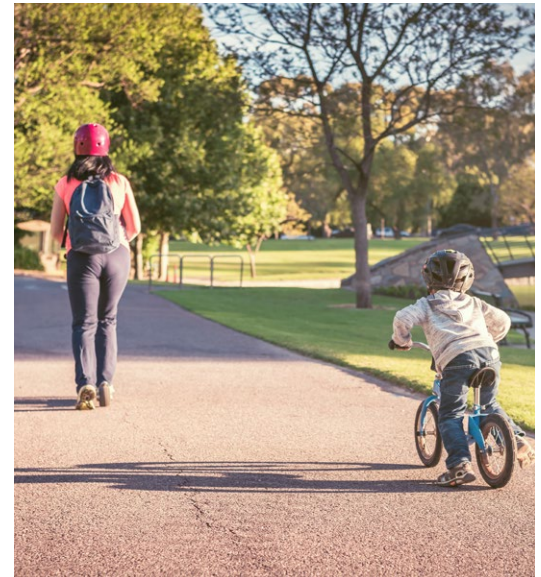
This project brings a series of comprehensive enhancements to SR-7/US-441, aiming to improve pedestrian access, safety, and the overall visual appeal of the corridor. Key upgrades include the installation of a new sidewalk on the east side of SR-7/US-441, ADA-compliant curb ramps, and enhanced pedestrian signalization at Orange Road and Powells Road. These improvements are complemented by attractive landscaping throughout, creating a safer and more inviting pedestrian environment.

From Oakes Road to Riverland Woods Park, a new shared-use path will extend along the east side of SR-7/US-441, providing a continuous connection to the New River Greenway and the existing shared-use path in Riverland Woods. Additional upgrades along this stretch include ADA-compliant sidewalk and ramp improvements, new lighting installations to increase visibility, high-emphasis pedestrian crossings, retaining walls under I-595 bridges, and upgraded signage and pavement markings. The landscape enhancements along the route create a consistent and inviting visual aesthetic, reinforcing the corridor's appeal.

The project also spans the Sunrise Canal C12 area, stretching from SR-7/US-441 to NW 31st Avenue, where a shared-use path along the North Fork New River Canal will be added, along with pedestrian improvements at the SR-838/Sunrise Boulevard intersection. This section will feature lighting retrofits, new lighting at NW 34th Street, high-emphasis pedestrian crossings, box culvert extensions, and additional landscaping to enhance safety and connectivity.

In addition to on-system improvements, the project includes off-system roadway construction along the Sunrise Canal C-12 and requires extensive coordination with multiple agencies, including the City of Lauderdale, the City of Plantation, South Florida Water Management District (SFWM), Broward County, MPO, and FDOT. Notable features in this segment include the shared-use path crossing at NW 34th Avenue, enhanced with new Rectangular Rapid Flashing Beacons (RRFB) for increased pedestrian safety, along with upgraded lighting and signage. Maintenance agreements with local municipalities, as well as permitting by SFWM, ensure the project's long-term upkeep and compliance.

HBC has played a pivotal role in this transformative project, contributing to the development of Memorandums of Maintenance Agreements (MMOAs), pavement design, and the coordination of funding agreements. By integrating safety, accessibility, and aesthetics, this project elevates the SR-7/US-441 corridor to a higher standard of functionality and community appeal.



RELEVANCE TO SCOPE

- Major Highway Design
- Minor Highway Design
- S&PM
- Channelization
- Lighting
- Signalization

COST

HBC Fee: \$722K



Funded by
Local Agency
Program (LAP)

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	HBC Engineering Company	Ft. Lauderdale, FL	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

ADDRESS

3400 West
Commercial Blvd
Fort Lauderdale, FL
33309

Client Reference #3

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT
(Present as many projects as requested by the agency, or 10 projects, if not specified.
Complete on Section F for each project.)

20. EXAMPLE PROJECT
KEY NUMBER

3

21. TITLE AND LOCATION (City and State)

State Road 80 from Lion Country Safari Rd to Forest Hill/Crestwood Blvd
Palm Beach County

22. YEAR COMPLETED

PROFESSIONAL
SERVICES

2015-2017

CONSTRUCTION
(if applicable)

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

Palm Beach County

b. POINT OF CONTACT NAME

Patrick Leung, PE

c. POINT OF CONTACT TELEPHONE NUMBER / EMAIL

(954) 481-2812 / patrick.leung@stantec.com

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

The scope of SR-80 Widening is from West of Lion Country Safari Road to Forest Hill/Crestwood Boulevard. Main scope of the project is widening and milling and resurfacing of the existing pavement for the entire length of the project. One additional lane in each direction from West of Lion Country Safari Road to Palms West Parkway will be added. The segment from Palms West Parkway to Forest Hill Boulevard is a six lane urban section. Minor widening will be required to provide adequate width for the bike lane for this urban segment. Project will also provide a new shared use path along the north right-of-way line of SR-80.

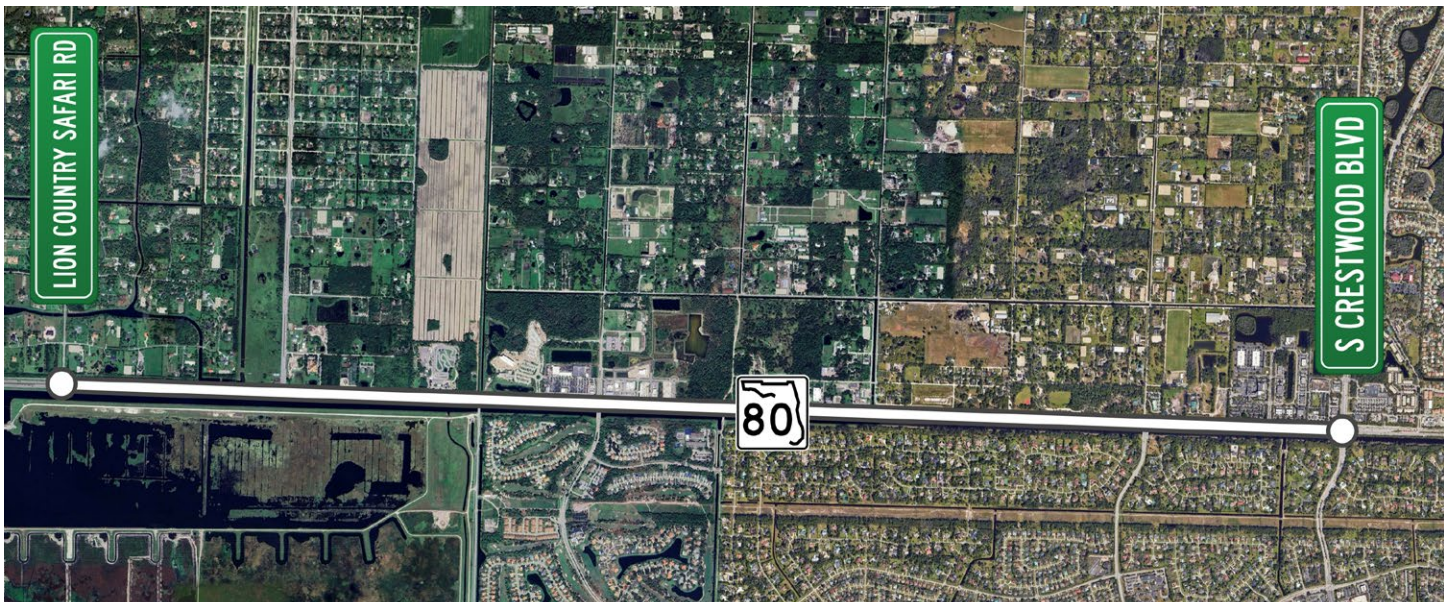
The department conducted a preliminary review of all bus stop within the project limits along SR80 from L-8 Canal to Forest Hill Boulevard to identify actions that are needed to provide adequate access to/from the bus stops and access SR80 which can be included as part of this project. From a review of crash data and coordination with FDOT, Palm Tran, and Palm Beach County, a full signal at the intersection of SR80 and D Road that includes a pedestrian crosswalk was recommended in the report.

RELEVANCE TO SCOPE

- Widening
- Milling
- Resurfacing
- Signalization

COST

Construction Fee:
\$33.5M



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	HBC Engineering Company	Boca Raton, FL	
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

ADDRESS

800 Fairway Drive,
Suite 195
Deerfield Beach, FL
33441

Client Reference #4

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT
(Present as many projects as requested by the agency, or 10 projects, if not specified.
Complete on Section F for each project.)

20. EXAMPLE PROJECT
KEY NUMBER

4

21. TITLE AND LOCATION (City and State)

Hollywood Gardens Sidewalk Complete Street Project
Hollywood, FL

22. YEAR COMPLETED

PROFESSIONAL
SERVICES

2015-2019

CONSTRUCTION
(if applicable)

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

FDOT District 4

b. POINT OF CONTACT NAME

Kenzot Jasmin, PE

c. POINT OF CONTACT TELEPHONE NUMBER / EMAIL

(954) 777-4462 / kenzot.jasmin@dot.state.fl.us

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

HBC provided comprehensive design services for this Broward County MPO Complete Streets initiative, focused on enhancing multimodal connectivity for pedestrians and cyclists, improving access to neighborhood commercial and transit facilities, and implementing street-calming measures within the Hollywood Gardens Beach area—commonly known as the Hollywood Big X. This project area, bounded by Hollywood Blvd. to the south, Johnson St. to the north, SR 7/US 441 to the west, and 56th Ave. to the east, involved the construction of an interconnected sidewalk network and bicycle facilities to support a safer and more accessible corridor.

As the Engineer of Record for the construction documents, HBC's scope included repairs to damaged sidewalks, utility coordination, preparation of a drainage report for minor drainage improvements, harmonization of sidewalks and driveways, layout for both off-street and on-street parking, intersection lighting upgrades, landscape adjustments, and coordination with Right of Way (ROW) permitting. The project also encompassed the design and construction of new sidewalks, designated bike lanes, and shared-lane bicycle facilities to ensure continuous, safe routes for all users.

The final plan set included typical section details, drainage structures, roadway plans, a Stormwater Pollution Prevention Plan (SWPPP), and Temporary Traffic Control Plans, all designed to meet FDOT standards and enhance the area's safety and accessibility.

- During the design process, HBC proactively addressed several public concerns and design challenges, including:
- Driveway Crossings – Designing sidewalks to traverse private driveways, sometimes impacting homeowner landscaping.
- ROW Encroachments – Adjusting parking, fencing, and other features encroaching into the Right of Way to align with the new design.
- Drainage Enhancements – Installing roadside ditches, French drains, and bioswales to manage stormwater runoff effectively.
- ADA Compliance – Retrofitting sidewalk connections with flush shoulders, truncated domes, and ADA-compliant ramps to ensure accessibility
- Median Openings and Lane Markings – Preserving all existing median openings and restriping shared shoulders to 4 feet for safe bicycle access.
- Utility Conflict Management – Identifying and coordinating solutions for utility elements conflicting with the proposed design.

This project demonstrates HBC's commitment to delivering Complete Streets solutions that prioritize safety, accessibility, and connectivity, addressing both infrastructure needs and public interests in a complex urban setting.

RELEVANCE TO SCOPE

- Utility Coordination
- Drainage Report Preparation
- Sidewalk Harmonization
- Landscape Coordination
- New Sidewalk Design
- Bike Lanes & Shared Lanes

COST

HBC Fee: \$555K

Construction Fee:
\$3.5M



Funded by
Local Agency
Program (LAP)



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	HBC Engineering Company	Ft. Lauderdale, FL	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

ADDRESS

3400 West
Commercial Blvd
Fort Lauderdale, FL
33309

Client Reference #5

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT
(Present as many projects as requested by the agency, or 10 projects, if not specified.
Complete on Section F for each project.)

20. EXAMPLE PROJECT
KEY NUMBER

5

21. TITLE AND LOCATION (City and State)

PD&E Study at Johnson St from North 30th Road to North Dixie Hwy
Hollywood, FL

22. YEAR COMPLETED

PROFESSIONAL
SERVICES

CONSTRUCTION
(if applicable)

03/2023-07/2024

N/A

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER

b. POINT OF CONTACT NAME

c. POINT OF CONTACT TELEPHONE NUMBER / EMAIL

City of Hollywood

Luis Lopez, PE

954-967-4357 / llopez@hollywoodfl.org

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

Funded by Broward County's "Penny for Transportation" initiative, this Project Development and Environment (PD&E) study is focused on transforming Johnson Street in Hollywood, Florida, into a safer, more efficient corridor. As a Complete Streets project, it aims to enhance infrastructure for pedestrians, cyclists, and motorists, improving safety, accessibility, and mobility throughout the area.

The project scope includes the construction of new sidewalks, dedicated bicycle lanes, and traffic-calming measures to enhance pedestrian and cyclist safety. Additional upgrades, such as enhanced crosswalks, new street lighting, and traffic signal improvements, will ensure the corridor meets state and federal safety standards. Drainage improvements are also part of the project, designed to mitigate flooding and improve stormwater management, while landscaping and aesthetic enhancements will beautify the street and surrounding areas.

As part of the PD&E study, HBC is responsible for evaluating selected alternatives to optimize Johnson Street's design. This includes the reconstruction of a 2-lane, 2-way roadway with a center turn lane, installation of new transit bus stops, and development of a comprehensive drainage system within the existing Right of Way (ROW). HBC's role also encompasses conducting a Limited Topographic Survey, extensive data collection, and developing conceptual design alternatives. A critical part of the study involves traffic analysis of each alternative and coordinating public involvement to ensure the project aligns with community needs and expectations.

The project's primary goal is to create a safer, more accessible transportation network that accommodates all modes of travel. As a Complete Streets initiative, it promotes walkability and cycling, reducing vehicle dependency and supporting environmental sustainability. Additionally, these improvements are expected to optimize traffic flow, alleviate congestion, and enhance the quality of life for residents, businesses, and commuters.

The Johnson Street project will have a significant impact by fostering safer and more efficient use of public roadways, aligning with Broward County's broader Complete Streets objectives. These improvements are anticipated to increase pedestrian activity, stimulate local businesses, and contribute to a more connected, vibrant community.

RELEVANCE TO SCOPE

- Limited Topographic Survey
- Data Collection
- Development of Conceptual Design Alternatives
- Traffic Analysis of the Alternatives
- Public Involvement Coordination

COST

HBC Fee: \$150K



Funded by
Interlocal
Agreement
(ILA) for Surtax-
Funded Municipal
Transportation



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
	HBC Engineering Company	Ft. Lauderdale, FL	Prime
b.	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE

ADDRESS

2600 Hollywood Blvd,
Hollywood, FL 33020

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Fernando Craveiro de Sa, PhD	Principal-In-Charge	✓	✓	✓	✓	✓					
Edgardo Diaz, MS, PE, PSM	QA/QC Manager	✓	✓	✓	✓	✓					
Adebayo Coker, PE	Project Manager	✓	✓	✓	✓	✓					
Hernan Lugo, MS, PE, CFM	Permitting Specialist		✓								
Jose A. Lopez, PE	Roadway Design/Signalization Lead		✓	✓	✓						
Osmin Ocon, EI	Engineering Intern	✓	✓			✓					
Derrek Okosun, EI	Engineering Intern		✓								
Alexander Tzenkov	Engineering Technician		✓								
Claudia Bustamante, MS, PE	S&PM and Channelization Lead		✓			✓					
Ynaja Juste, EI	Engineering Intern					✓					
Orlando Penate, PE, IMSA II	Lighting/Electrical Engineering Lead		✓		✓						
Alejandra Mendoza-Díaz, EI	Engineering Intern	✓									
Moatz Saad, PhD, PE, PTOE	Traffic Operations & Safety Studies Lead		✓			✓					
Jeremy Braithwaite, IMSA II	Engineering Technician					✓					
Sonny Abia, PhD, PE	Utility Coordinator and Structural Lead		✓								

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

No.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	No.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Widening of Boca Rio Road from Palmetto Park Road to Glades Road	6	
2	SR 7/US 441 Transit Corridor Improvements from Orange Drive to NW 31st Avenue - Task 2	7	
3	State Road 80 from Lion Country Safari Rd to Forest Hill Boulevard	8	
4	Hollywood Gardens Sidewalk Complete Street Project	9	
5	PD&E Study at Johnson St from North 30th Road to North Dixie Hwy	10	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Adebayo Coker, PE	Project Manager	a. TOTAL 33	b. WITH CURRENT FIRM 19

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Civil Engineering	PE / FL No. 55322

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

FDOT CTQP: Asphalt Paving Levels 1 and 2, QA/QC Manager

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a.	SR 7/US 441 Transit Corridor Improvements from Orange Drive to NW 31st Avenue - Task 2, Broward County, FL	PROFESSIONAL SERVICES 2025	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
	<p>[X] Check if project performed with current firm</p> <p>This project brings a series of comprehensive enhancements to SR-7/US-441, aiming to improve pedestrian access, safety, and the overall visual appeal of the corridor. Key upgrades include the installation of a new sidewalk on the east side of SR-7/US-441, ADA-compliant curb ramps, and enhanced pedestrian signalization at Orange Road and Powells Road. These improvements are complemented by attractive landscaping throughout, creating a safer and more inviting pedestrian environment.</p>		
b.	State Road 80 from Lion Country Safari Rd to Forest Hill/Crestwood Blvd, Palm Beach County	PROFESSIONAL SERVICES 2017	CONSTRUCTION (if applicable) 2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
	<p>[X] Check if project performed with current firm</p> <p>The scope of SR-80 Widening is from West of Lion Country Safari Road to Forest Hill/Crestwood Boulevard. Main scope of the project is widening and milling and resurfacing of the existing pavement for the entire length of the project. One additional lane in each direction from West of Lion Country Safari Road to Palms West Parkway will be added. The segment from Palms West Parkway to Forest Hill Boulevard is a six lane urban section. Minor widening will be required to provide adequate width for the bike lane for this urban segment. Project will also provide a new shared use path along the north right-of-way line of SR-80.</p>		
c.	Hollywood Gardens Sidewalk Complete Street Project, Hollywood, FL	PROFESSIONAL SERVICES 2019	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
	<p>[X] Check if project performed with current firm</p> <p>HBC provided comprehensive design services for this Broward County MPO Complete Streets initiative, focused on enhancing multimodal connectivity for pedestrians and cyclists, improving access to neighborhood commercial and transit facilities, and implementing street-calming measures within the Hollywood Gardens Beach area—commonly known as the Hollywood Big X.</p>		
d.	PD&E Study at Johnson St from North 30th Road to North Dixie Hwy, Hollywood, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION (if applicable) 2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
	<p>[X] Check if project performed with current firm</p> <p>Funded by Broward County's "Penny for Transportation" initiative, this Project Development and Environment (PD&E) study is focused on transforming Johnson Street in Hollywood, Florida, into a safer, more efficient corridor. As a Complete Streets project, it aims to enhance infrastructure for pedestrians, cyclists, and motorists, improving safety, accessibility, and mobility throughout the area.</p> <p>The project scope includes the construction of new sidewalks, dedicated bicycle lanes, and traffic-calming measures to enhance pedestrian and cyclist safety. Additional upgrades, such as enhanced crosswalks, new street lighting, and traffic signal improvements, will ensure the corridor meets state and federal safety standards. Drainage improvements are also part of the project, designed to mitigate flooding and improve stormwater management, while landscaping and aesthetic enhancements will beautify the street and surrounding areas.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Fernando Craveiro de Sa, PhD, EI	Principal-in-Charge	a. TOTAL 47	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
PhD in Civil Engineering/ Environmental, University of Texas at Austin (5/18/1991); M.S. in Civil Engineering/ Environmental, University of Texas at Austin (5/18/1985); M.S. in Environmental and Sanitation Engineering, IHE Delft, Holland (9-11-1982); Industrial Environmental Engineering, Fundação Armando Alvarez Penteado, Brazil (1980); B.S. in Civil Engineering, Universidade de São Paulo, Brazil (11/9/1979)	Engineer Intern (TX) (01/02/1991) Executive Leadership, Michigan University (2001)
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)	

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Widening of Boca Rio Rd from Palmetto Park Rd to Glades Rd, Palm Beach County	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm HBC provided professional engineering design services to Palm Beach County for the widening of a 1.53-mile section of Boca Rio Road, from approximately 600 feet south of the eastbound off-ramp of the Palmetto Park Road intersection to 600 feet north of the Glades Road intersection. The project scope included adding a through lane in both directions and constructing a raised median where Right-of-Way was available to improve traffic flow and safety.		
b.	SR 7/US 441 Transit Corridor Improvements from Orange Drive to NW 31st Avenue - Task 2, Broward County, FL	2025	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm This project brings a series of comprehensive enhancements to SR-7/US-441, aiming to improve pedestrian access, safety, and the overall visual appeal of the corridor. Key upgrades include the installation of a new sidewalk on the east side of SR-7/US-441, ADA-compliant curb ramps, and enhanced pedestrian signalization at Orange Road and Powells Road.		
c.	State Road 80 from Lion Country Safari Rd to Forest Hill/Crestwood Blvd, Palm Beach County		2017
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm The scope of SR-80 Widening is from West of Lion Country Safari Road to Forest Hill/Crestwood Boulevard. Main scope of the project is widening and milling and resurfacing of the existing pavement for the entire length of the project. One additional lane in each direction from West of Lion Country Safari Road to Palms West Parkway will be added. The segment from Palms West Parkway to Forest Hill Boulevard is a six lane urban section. Minor widening will be required to provide adequate width for the bike lane for this urban segment. Project will also provide a new shared use path along the north right-of-way line of SR-80.		
d.	Hollywood Gardens Sidewalk Complete Street Project, Hollywood, FL	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm HBC provided comprehensive design services for this Broward County MPO Complete Streets initiative, focused on enhancing multimodal connectivity for pedestrians and cyclists, improving access to neighborhood commercial and transit facilities, and implementing street-calming measures within the Hollywood Gardens Beach area—commonly known as the Hollywood Big X.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Edgar Diaz, MS, PE, PSM	QA/QC Manager	a. TOTAL 33	b. WITH CURRENT FIRM 19

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)

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

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

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

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Advanced Maintenance of Traffic Training; OSHA-30 Hour Certificate; Part 107 Remote Pilot Certificate

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Widening of Boca Rio Rd from Palmetto Park Rd to Glades Rd, Palm Beach County	Ongoing	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</p> <p>[X] Check if project performed with current firm</p> <p>HBC provided professional engineering design services to Palm Beach County for the widening of a 1.53-mile section of Boca Rio Road, from approximately 600 feet south of the eastbound off-ramp of the Palmetto Park Road intersection to 600 feet north of the Glades Road intersection. The project scope included adding a through lane in both directions and constructing a raised median where Right-of-Way was available to improve traffic flow and safety. Additionally, HBC designed a new closed drainage system, replaced four existing culverts crossing Boca Rio Road, and developed a new stormwater management facility to enhance drainage capacity and mitigate flooding risks.</p>		
b.	SR 7/US 441 Transit Corridor Improvements from Orange Drive to NW 31st Avenue - Task 2, Broward County, FL	2025	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</p> <p>[X] Check if project performed with current firm</p> <p>This project brings a series of comprehensive enhancements to SR-7/US-441, aiming to improve pedestrian access, safety, and the overall visual appeal of the corridor. Key upgrades include the installation of a new sidewalk on the east side of SR-7/US-441, ADA-compliant curb ramps, and enhanced pedestrian signalization at Orange Road and Powells Road. These improvements are complemented by attractive landscaping throughout, creating a safer and more inviting pedestrian environment.</p>		
c.	State Road 80 from Lion Country Safari Rd to Forest Hill/Crestwood Blvd, Palm Beach County		2017
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</p> <p>[X] Check if project performed with current firm</p> <p>The scope of SR-80 Widening is from West of Lion Country Safari Road to Forest Hill/Crestwood Boulevard. Main scope of the project is widening and milling and resurfacing of the existing pavement for the entire length of the project. One additional lane in each direction from West of Lion Country Safari Road to Palms West Parkway will be added. The segment from Palms West Parkway to Forest Hill Boulevard is a six lane urban section. Minor widening will be required to provide adequate width for the bike lane for this urban segment. Project will also provide a new shared use path along the north right-of-way line of SR-80.</p>		
d.	Hollywood Gardens Sidewalk Complete Street Project, Hollywood, FL	2019	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE</p> <p>[X] Check if project performed with current firm</p> <p>HBC provided comprehensive design services for this Broward County MPO Complete Streets initiative, focused on enhancing multimodal connectivity for pedestrians and cyclists, improving access to neighborhood commercial and transit facilities, and implementing street-calming measures within the Hollywood Gardens Beach area—commonly known as the Hollywood Big X.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Michael Schawe, IMSA I	Constructability Review	a. TOTAL 51	b. WITH CURRENT FIRM 4

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
FDOT Engineer Training Program, Broward Community College	TIN No. S00055556

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

FDOT CTQPs (Final Estimate Levels I & II; Asphalt Paving Levels I & II; QC Manager; Concrete Field Tech Level I); ACI Level I Field Inspector # 01210119; IMSA Traffic Signal Technician Level I; IMSA Traffic Signal Inspector Level I; Advanced MOT – TSSA/IMSA; Advanced Temporary Traffic Control (TTC) Certificate # 612243; FHWA 40-Hour Bridge Inspector Course; OSHA – 10-Hour Safety; CXS Railroad Safety Trained; Dispute Review Board (DRB); Drilled Shaft Installation; Pile Driving Installation; SiteManager; Project Solve Share Point (PSSP); MAC; PrC; FDOT Advanced MOT

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT District 4, CEI Contract for Various Locations along Boynton Beach Boulevard Boynton Beach, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
a.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Oversaw CEI services for improvements along SR-804, including MOT, erosion control, curb/gutter, driveways, milling, resurfacing, lighting, S&PM, signalization, conduit, and utility adjustments. Managed progress meetings, RFIs, COs, and CEI staff inspections to ensure compliance with contract requirements, LAP funding, and constructability challenges. Role: Project Administrator. Cost: \$7.1M.</p>		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Broward County, West Hillsboro Boulevard Bike Lanes and Lighting Improvements Project Broward County, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
b.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Oversaw CEI services for bike lanes and lighting improvements from Parkside Dr. to SR-7/US-441. Scope included roundabout construction, sidewalk repairs, ADA upgrades, milling/resurfacing, S&PM, and landscaping. Led constructability reviews, temporary traffic control plans, and contractor compliance to ensure safety and efficiency in roadway enhancements. Role: Construction Senior Project Administrator. Cost: \$12M.</p>		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D4, CEI Services for Complete Streets Improvements along Boynton Beach Blvd (LAP) Broward County, FL		PROFESSIONAL SERVICES 2025	CONSTRUCTION (if applicable) 2025
c.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Managed CEI oversight for a Complete Streets project along Boynton Beach Blvd, including lighting retrofits, S&PM, reconstruction, milling/resurfacing, and drainage modifications. Ensured constructability through utility conflict resolution, coordination with adjacent projects, TTCs, and ITSFM documentation for compliance with LAP requirements. Role: Construction Senior Project Administrator. Cost: \$10M.</p>		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT District 4, Glades Road Grouping: Bridge Widening, Milling & Resurfacing Palm Beach County, FL		PROFESSIONAL SERVICES 2011	CONSTRUCTION (if applicable) 2011
d.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm</p> <p>Oversaw CEI services for milling and resurfacing projects, including bridge widening over I-95 and US-1 improvements. Managed contract administration, contractor performance oversight, site inspections, material testing, temporary traffic control, and pay estimates. Ensured compliance with FDOT specifications and resolved construction issues efficiently. Role: Project Administrator. Cost: N/A.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Christopher Soto, PE, RSO	LAP Certification Specialist	a. TOTAL 13	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Civil Engineering, Florida International University (08/03/2015)	PE (FL) No. 91722 (06/22/2021); TIN No. S30010689

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

ADA Training Certified; FDOT Advanced MOT; FDOT CTQPs: Asphalt Paving Levels I & II, Earthwork Construction Inspection Levels I & II, Final Estimates Levels I & II, Drilled Shaft Level I, CI – Concrete Field-Testing Critical Structures Construction Issues, Concrete Field Technician Level I, Radiation Safety Officer (RSO), Nuclear Gauge Safety/ Hazmat Radioactive Safety Officer ADA Construction, Thermography Levels I & II No. 14894, QC Manager (scheduled)

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Widening of Boca Rio Rd from Palmetto Park Rd to Glades Rd, Palm Beach County	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE HBC provided professional engineering design services to Palm Beach County for the widening of a 1.53-mile section of Boca Rio Road, from approximately 600 feet south of the eastbound off-ramp of the Palmetto Park Road intersection to 600 feet north of the Glades Road intersection. The project scope included adding a through lane in both directions and constructing a raised median where Right-of-Way was available to improve traffic flow and safety. Additionally, HBC designed a new closed drainage system, replaced four existing culverts crossing Boca Rio Road, and developed a new stormwater management facility to enhance drainage capacity and mitigate flooding risks.		
b.	SR 7/US 441 Transit Corridor Improvements from Orange Drive to NW 31st Avenue - Task 2, Broward County, FL	2025	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE This project brings a series of comprehensive enhancements to SR-7/US-441, aiming to improve pedestrian access, safety, and the overall visual appeal of the corridor. Key upgrades include the installation of a new sidewalk on the east side of SR-7/US-441, ADA-compliant curb ramps, and enhanced pedestrian signalization at Orange Road and Powells Road. These improvements are complemented by attractive landscaping throughout, creating a safer and more inviting pedestrian environment.		
c.	FDOT District 4, CEI Services for Complete Streets Improvements along Boynton Beach Boulevard LAP Palm Beach County, FL	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Supervised CEI services for a LAP-funded Complete Streets project, including landscape enhancements, sidewalk reconstruction, milling and resurfacing, pedestrian lighting, drainage modifications, signage, and pavement markings. Managed contractor oversight, utility coordination, temporary traffic control plans, and construction progress monitoring while ensuring safety, LAP compliance, and public involvement. Role: Senior Project Engineer. Cost: \$10M.		
d.	Town of Medley, Water Main Upgrades at NW 74th Street Phase 2 LAP Project Medley, FL	2022	2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Managed CEI services for LAP-funded water and force main upgrades, including asbestos pipe removal, pavement and base restoration, concrete work, and pavement markings. Coordinated with multiple agencies (FDOT, MDC-WASD, MDC-RER) to resolve utility conflicts. Ensured compliance with LAP funding requirements and assisted with project closeout documentation. Role: Senior Project Engineer. Cost: \$1M.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Jose A. Lopez, PE	Roadway Design and Signalization Lead	a. TOTAL 20	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Civil Engineering, Polytechnic University of Puerto Rico (05/02/2005)	PE (FL) No. 81014 (04/28/2016); PE (PR) No. 21897 (10/05/2007)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

30-HR OSHA Certification; TTC Advanced # 74153; ICPR V4 Training

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Miami-Dade County DTPW, NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build Miami, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Led roadway and signalization design for a 1.09-mile corridor, including TWLTL, buffered bike lanes, and intersection reconfigurations. Developed signalization plans, upgraded mast arms, integrated ATSPM, and installed pedestrian countdown signals. Coordinated S&PM, ADA-compliant curb ramps, and crosswalks to enhance multimodal safety. Ensured FDOT and Miami-Dade compliance, mitigating utility conflicts and optimizing traffic operations. Role: Roadway and Signalization Lead. Cost: \$13.7M.		
b.	FDOT District 4, SR-7/US-441 Transit Corridor Improvements LAP Broward County, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed roadway and traffic signalization improvements across 25 intersections, upgrading pedestrian countdown signals, loop detection, and ATSPM technology. Enhanced multimodal safety with high-emphasis crosswalks, ADA curb ramps, transit accessibility, and bicycle lane striping. Developed signal coordination timing plans to optimize traffic flow. Coordinated with FDOT for intersection safety compliance. Role: Roadway and Signalization Lead. Cost: \$1.7M.		
c.	FDOT D6, SR-933/NW 12th Ave at NW 19th St Intersection Improvement Project Miami-Dade County, FL	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed intersection safety and operational improvements, including new traffic signals, pedestrian signals, and vehicle detection cameras. Upgraded mast arms, ADA curb ramps, high-visibility crosswalks, and pavement markings to enhance pedestrian safety. Developed new signal timing plans and coordinated with transit agencies for future multimodal integration. Ensured FDOT compliance for intersection enhancements. Role: Roadway and Signalization Lead. Cost: N/A.		
d.	City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project Hollywood, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Led roadway and signalization design for a Complete Streets project, enhancing pedestrian connectivity with new ADA curb ramps, high-visibility crosswalks, and bike lane striping. Designed new mast arm signalization, pedestrian countdown signals, and transit stop enhancements. Developed S&PM layouts and optimized signal timing to improve multimodal safety. Ensured compliance with FDOT standards and coordinated with local agencies for seamless integration. Role: Roadway and Signalization Lead. Cost: N/A.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
David Coker, EI, IMSA I	Engineering Intern	a. TOTAL 7	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)

B.S. in Civil Engineering, Florida International University
(12/08/2018)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

EI (FL) No. 1100023530 (6/26/2020)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

TTC Advanced #57886; IMSA Traffic Signal Technician Level 1; Certified Drone Pilot; Bentley OpenRoads 3D Modeling; Synchro and Vissim Simulations

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
a.	Miami-Dade County DTPW, NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build Miami-Dade County, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed the reconstruction of a 1-mile, two-lane roadway into a four-lane corridor with a TWLTL. Developed roadway geometry, intersection layout, ADA-compliant curb ramps, and drainage conveyance systems. Assisted with culvert replacements, outfall connections, stormwater retention, and pavement design. Ensured compliance with Miami-Dade design standards and coordinated with utility agencies. Role: Roadway Design. Cost: \$7M.		
b.	FDOT D4, SR-817/University Dr Widening from Nova Dr to SR-84 Davie, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Assisted in the widening of SR-817/University Dr by one lane along a 0.5-mile corridor, including reconstruction of bike lanes and shared-use paths. Developed roadway geometry, pavement design, and Temporary Traffic Control Plans (TTCs). Ensured ADA compliance, drainage integration, and pedestrian accessibility while improving multimodal functionality and safety. Role: Roadway Design. Cost: \$1.75M.		
c.	Miami-Dade County DTPW, NW 25th St Reconstruction from NW 117th Ave to NW 87th Ave Miami, FL	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed the full reconstruction of a 3-mile, four-lane roadway into a six-lane divided corridor with a raised median, curb/gutter, and multimodal accommodations. Developed the shared-use path, structural retaining systems, stormwater drainage system, environmental permitting, and S&PM plans. Ensured compliance with ADA, MUTCD, and Miami-Dade standards. Role: Roadway Design. Cost: N/A.		
d.	FDOT D6, SR-25/US-27/Okeechobee Rd Transportation Management Plan (TMP) Miami, FL	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Assisted in coding VISSIM microsimulation models for detour and diversion routes. Developed Synchro analysis and optimized signal timing for all scenarios. Evaluated work zone impacts using Smart Work Zones and traffic management solutions to minimize congestion and enhance mobility during construction. Role: Roadway Design. Cost: N/A.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Osmin Ocon, EI	Engineering Intern	a. TOTAL 3	b. WITH CURRENT FIRM 3

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Civil Engineering, Florida International University (05/07/2022); B.S. in Industrial Engineering, Universidad Nacional de Ingenieria (12/22/2012)	EI (FL) No. 1100026399 (01/25/2023)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Production Management Certification, Professional Updating Seminar Certification, II Management Leadership Seminar Certification, Industrial Electricity Certification

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Miami-Dade County DTPW, NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build Miami-Dade County, FL	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Assisted in roadway and signalization design for a 1.09-mile corridor, incorporating TWLTL, buffered bike lanes, and ADA-compliant pedestrian crossings. Developed signalization plans, mast arm replacements, and new pedestrian countdown signals. Designed pavement markings, curb ramps, and intersection channelization. Coordinated with FDOT and Miami-Dade Transit to optimize multimodal connectivity and traffic operations. Role: Roadway Design and Signalization. Cost: \$12.6M.		
b.	FDOT D6, SR-933/NW 12th Ave at NW 19th St Intersection Improvement Project Miami-Dade County, FL	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Assisted in roadway and signalization upgrades, including new traffic signals, pedestrian countdown signals, and video detection cameras. Developed pavement marking plans, ADA curb ramps, and intersection realignments to improve pedestrian accessibility. Assisted in optimizing signal phasing and coordination to enhance traffic flow. Ensured compliance with FDOT standards and local transit agency requirements. Role: Roadway Design and Signalization. Cost: N/A.		
c.	FDOT D4, SR-7/US-441 Transit Corridor Improvements - Task 3 LAP Broward County, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Developed roadway and signalization improvements at multiple intersections, including new mast arms, pedestrian countdown signals, and high-emphasis crosswalks. Assisted in transit signal priority integration, ADA curb ramp modifications, and traffic detection adjustments. Designed channelization enhancements and signal coordination to improve pedestrian safety. Ensured compliance with FDOT and transit agency design criteria. Role: Roadway Design and Signalization. Cost: \$1.2M.		
d.	City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project Hollywood, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Assisted in roadway and signalization design for a Complete Streets project, including ADA curb ramps, high-visibility crosswalks, and bicycle lane striping. Designed new traffic signals, mast arms, and transit stop signalization improvements. Developed S&PM layouts and optimized signal timing for improved multimodal operations. Ensured FDOT compliance and coordinated with city officials for implementation. Role: Roadway Design and Signalization. Cost: N/A.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Derrek Okosun	Engineering Technician	a. TOTAL 6	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)

HBC **HBC Engineering Company**
Boca Raton, FL

16. EDUCATION (Degree and Specialization)

B.S. in Civil Engineering, Florida International University
(12/14/2019)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

TTC Advanced Certification; Work Zone Safety; Traffic Control

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D6, SR-90/US-41/SW 7th St from Brickell Ave to West of SW 2nd Ave RRR Project Miami, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Assisted in preparing a Scoping Report for SW 7th St, evaluating existing deficiencies, ADA compliance, and pavement conditions. Performed field reviews, documented substandard features, and developed design recommendations. Created roadway design exhibits, tables, and cost estimates for proposed improvements. Coordinated with stakeholders to ensure constructability and compliance with FDOT standards. Role: Roadway Designer. Cost: N/A.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D6, SR-932/NE 103rd St from East of NE 2nd Ave to West of NE 6th Ave RRR Project Hialeah, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Conducted field reviews and developed a Scoping Report for a 0.5-mile resurfacing project. Evaluated ADA compliance, sidewalk connectivity, and pavement conditions. Created roadway design recommendations, tables, and exhibits for the corridor. Assisted in preparing design alternatives, incorporating pedestrian safety improvements, S&PM upgrades, and minor widening to meet FDOT standards. Role: Roadway Designer. Cost: N/A.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D6, SR-826/Palmetto Expressway at NW 25th St Interchange MOT Design Miami-Dade County, FL		PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Assisted in developing Maintenance of Traffic (MOT) plans for interchange reconstruction, including phased detours, lane closures, and pedestrian access modifications. Designed Temporary Traffic Control Plans (TTCs) for construction sequencing, ensuring minimal impact on traffic flow. Coordinated with FDOT to optimize lane shifts, work zone safety, and detour signage. Conducted MOT analysis for peak-hour impacts and developed mitigation strategies. Role: MOT Designer. Cost: \$8.2M.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D4, SR-7/US-441 Transit Corridor Improvements LAP Broward County, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Assisted in roadway improvements along SR-7/US-441, integrating pedestrian and bicycle infrastructure with transit corridor upgrades. Evaluated existing conditions, developed design recommendations, and prepared signing and pavement marking modifications to enhance multimodal connectivity. Ensured ADA compliance and coordinated with local agencies for seamless design integration. Role: Roadway Designer. Cost: N/A.		[X] Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Alexander Tzenkov	Engineering Technician	a. TOTAL 5	b. WITH CURRENT FIRM 3

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Civil Engineering (Summa Cum Laude), Florida International University (12/12/2020)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

TTC Advanced # 624238

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D6, I-95 Express Lanes Phase 3 MOT Design Miami, FL	2020	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Assisted in developing Maintenance of Traffic (MOT) and Temporary Traffic Control Plans (TTCs) for the extension of I-95 Express Lanes, including phased lane closures, detours, and ramp realignments. Designed work zone safety measures, lane shifts, and barrier wall placements to minimize construction impacts. Coordinated with FDOT for optimal traffic flow, safety compliance, and peak-hour congestion mitigation. Role: MOT Designer. Cost: \$45M.</p>		
b.	Miami-Dade County DTPW, NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build Miami, FL	Ongoing	Ongoing
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed the widening of a 1-mile corridor from two to four lanes, including a TWLTL. Developed horizontal and vertical alignments, curb ramps, S&PM, and drainage modifications. Assisted in creating Level 2 TTCs to maintain traffic operations and business access throughout construction. Ensured ADA compliance and integrated multimodal safety enhancements. Role: Roadway Designer. Cost: \$7M.</p>		
c.	FDOT D4, SR-7/US-441 Transit Corridor Improvements - Task 3 LAP Broward County, FL	Ongoing	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed pedestrian connectivity improvements, including a sidewalk linking three intersections, three shared-use paths, and a midblock crossing with a rapid flashing beacon. Developed grading, S&PM, and ADA-compliant curb ramps. Assisted in minor signalization enhancements and plans production for pedestrian countdown replacements and detection adjustments. Ensured compliance with FDOT standards and coordinated with transit agencies. Role: Roadway Designer. Cost: \$1.2M.</p>		
d.	FDOT D4, SR-817/University Dr Widening from Nova Dr to SR-84 Davie, FL	Ongoing	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed major roadway and drainage improvements, including an auxiliary lane, drainage structure relocations, S&PM, and intersection reconfiguration. Assisted in developing horizontal and vertical alignments, bus stop modifications, and right-turn lane enhancements. Ensured compliance with FDOT design standards and coordinated with local agencies for design integration and approvals. Role: Roadway Designer. Cost: \$1.75M.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Claudia Bustamante, MS, PE	S&PM and Channelization Lead	a. TOTAL 20	b. WITH CURRENT FIRM 4

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
M.S. in Civil Engineering, University of Central Florida (2017); B.S. in Civil Engineering, Universidad Del Cauca Colombia (06/11/2004)	PE (FL) No. 87381 (06/01/2019)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Advanced MOT - # 32203; DOT & LTAP Specifications Package; GeoPAK; MicroStation; Autoturn; CADD; 3D Modeling

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Miami-Dade County DTPW, NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build Miami, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Led S&PM design for a 1.09-mile corridor, including intersection realignments, mast arm replacements, and new midblock crossings. Developed high-visibility pavement markings, bike lane striping, and ADA-compliant curb ramps. Coordinated pedestrian channelization improvements, wayfinding signage, and signalized crosswalks. Ensured compliance with FDOT standards, transit accessibility, and multimodal integration. Role: S&PM and Channelization. Cost: \$13.7M.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Miami-Dade County DTPW, NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build Miami-Dade County, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed S&PM and pedestrian channelization plans for a 1-mile corridor expansion, incorporating high-visibility crosswalks, transit stop enhancements, and new lane configurations. Developed pavement markings, bike lanes, and MUTCD-compliant signage. Assisted in ADA improvements, curb ramp modifications, and safe pedestrian crossings. Coordinated with stakeholders to ensure compliance with county and state design standards. Role: S&PM and Channelization. Cost: \$7M.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project Hollywood, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed S&PM plans for a Complete Streets initiative, integrating high-visibility crosswalks, pedestrian signals, and ADA curb ramps. Developed MUTCD-compliant signage, transit stop improvements, and school zone pavement markings. Assisted in public outreach, traffic calming strategies, and wayfinding enhancements. Ensured compliance with FDOT and city design criteria for multimodal connectivity. Role: S&PM and Channelization. Cost: N/A.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Broward County Public Works, School Zone Flasher Improvements at 2 Schools Broward County, FL		PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed school zone flasher improvements, replacing 16 outdated units with solar-powered LED flashers. Developed S&PM plans, pedestrian channelization elements, and high-visibility markings for school crossings. Coordinated with agencies for utility conflict resolution and plan modifications. Ensured MUTCD compliance and enhanced pedestrian safety in school zones. Role: S&PM and Channelization. Cost: \$78K.		[X] Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Gonzalo Barerra, PE	Engineer	a. TOTAL 7	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Civil Engineering, Florida International University (04/28/2018)	PE (FL) No. 94260 (06/21/2022)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

TTC Advanced, #44555

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT District 4, SR-7/US-441 Transit Corridor Improvements - Task Order 3 LAP Broward County, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed S&PM and signalization enhancements, including a midblock crossing with a rapid flashing beacon, pedestrian countdown signals, and high-visibility lane markings. Integrated bicycle lane delineation, ADA curb ramps, and transit stop signage to improve accessibility. Developed intersection channelization elements, optimized traffic signal timing, and ensured compliance with FDOT transit safety standards. Role: S&PM, Channelization, and Signalization. Cost: \$1.2M.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Miami-Dade County DTPW, NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build Miami, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Led S&PM, channelization, and signalization design for a 1.09-mile corridor, upgrading intersections, mast arms, and pedestrian countdown signals. Developed high-visibility pavement markings, bike lane striping, ADA curb ramps, and crosswalk enhancements. Optimized signal timing, installed new loop detection, and coordinated transit stop improvements for multimodal safety. Ensured FDOT compliance and mitigated utility conflicts. Role: S&PM, Channelization, and Signalization. Cost: \$13.7M.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D4, SR-7/US-441 Transit Corridor Improvements - Task 2 LAP Broward County, FL		PROFESSIONAL SERVICES 2022	CONSTRUCTION (if applicable) N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed S&PM plans for a corridor-wide pedestrian safety project. Developed earthwork calculations for sidewalk widening, improved intersection visibility, and incorporated pedestrian channelization barriers. Enhanced existing signage and pavement markings to meet FDOT and MUTCD standards. Redesigned drainage features to accommodate impervious area expansion while maintaining runoff efficiency. Ensured ADA compliance by updating pedestrian countdown signals and curb ramps. Role: S&PM and Channelization. Cost: \$1.2M.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project Hollywood, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed S&PM, channelization, and signalization plans for a Complete Streets corridor, incorporating pedestrian countdown signals, ADA curb ramps, and bicycle lane delineation. Developed MUTCD-compliant signage, transit stop improvements, and school zone pavement markings. Assisted in optimizing signal coordination and wayfinding signage to enhance pedestrian and vehicular safety. Ensured FDOT and city compliance for multimodal integration. Role: S&PM, Channelization, and Signalization. Cost: N/A.		[X] Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Ynaja Juste, EI	Engineering Intern	a. TOTAL 9	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Civil Engineering, Florida International University (05/07/2016)	EI (FL) No. 1100023151 (10/29/2019)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

FDOT Intermediate Maintenance of Traffic (MOT), Florida - No. 53983; TTC Advanced # 620323

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Miami-Dade County DTPW, NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build Miami, FL	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed S&PM plans for a 1.09-mile corridor, including high-visibility crosswalks, ADA-compliant curb ramps, and lane channelization improvements. Developed pavement marking layouts, wayfinding signage, and MUTCD-compliant regulatory signs. Assisted in pedestrian channelization measures, midblock crossings, and transit stop signage for multimodal connectivity. Ensured FDOT compliance and coordinated with transit agencies. Role: S&PM and Channelization. Cost: \$12.6M.		
b.	FDOT D4, SR-7/US-441 Transit Corridor Improvements - Task 3 LAP Broward County, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed S&PM and pedestrian channelization measures, including ADA curb ramps, lane markings, pedestrian refuge areas, and high-emphasis crosswalks. Developed wayfinding signage and MUTCD-compliant regulatory signs to enhance transit stop accessibility. Assisted in pedestrian countdown signal upgrades and crosswalk realignments. Ensured compliance with FDOT and transit agency design criteria. Role: S&PM and Channelization. Cost: \$1.2M.		
c.	City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project Hollywood, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Developed S&PM plans for a Complete Streets corridor, incorporating high-visibility crosswalks, pedestrian signals, transit stop modifications, and ADA-compliant curb ramps. Assisted in pavement marking enhancements, MUTCD-compliant signage, and bike lane striping. Coordinated with agencies for pedestrian channelization strategies, multimodal integration, and public outreach efforts. Ensured compliance with FDOT and local design standards. Role: S&PM and Channelization. Cost: N/A.		
d.	Florida's Turnpike Enterprise (FTE), Wrong-Way Vehicle Detection System (WWVDS) Implementation Design-Build Miami-Dade, Broward, and Palm Beach Counties, FL	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed signing and pavement marking plans for 48 exit ramps, incorporating MUTCD-compliant regulatory and warning signs, high-visibility pavement markings, and directional guide signage. Developed S&PM elements for wrong-way vehicle detection systems, ensuring driver compliance and safety enhancements. Assisted in TTC planning and coordinated with agencies for project implementation. Ensured adherence to FDOT and national safety guidelines. Role: S&PM and Channelization. Cost: N/A.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Orlando Penate, PE, EE, IMSA III	Lighting/Electrical Engineering Lead	a. TOTAL 18	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)

B.S. in Electrical Engineering, Marta Abreu de Las Villas University (2006)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

PE (FL) No. 80385 (01/01/2016)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

FLUG Open Road Designer; FDOT Specifications Package Preparations; Bullet Proof Manager Program; FDOT Advanced TTC, #66969; IMSA Traffic Signal Technician Level 1, #AA_131518; IMSA Traffic Signal Field Technician Level 2, #BE_131518; Advanced Building Code Course Credit; 7th Edition, Florida Building Code

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D4, Intersection Lighting Retrofit Improvement Project Palm Beach County, FL	2023	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed and implemented lighting retrofits at 29 signalized intersections, replacing HPS luminaires with LED fixtures and installing new FPL luminaires for enhanced visibility. Conducted photometric analysis, electrical load calculations, and TTCP coordination. Integrated new lighting controls and optimized illumination levels for pedestrian and vehicular safety. Role: Lighting/Electrical Lead. Cost: \$1.5M.</p>		
b.	Palm Beach County, Annual Street Lighting System Design & CEI Services Palm Beach County, FL	2023	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Managed more than 30 task work orders for street lighting design and CEI services, developing lighting analysis, photometric evaluations, and plans using FPL fixtures. Coordinated with FDOT and Palm Beach County to ensure compliance with lighting criteria for corridors and signalized intersections. Conducted voltage drop calculations and prepared lighting warrant reports. Role: Lighting/Electrical Lead. Cost: \$1.3M.</p>		
c.	City of West Park, SR-7 Pedestrian Lighting Improvements Broward County, FL	2022	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed and implemented pedestrian lighting improvements along SR-7, developing lighting plans and conducting photometric analysis to improve pedestrian visibility. Coordinated with FPL for lighting installation approvals and ensured compliance with roadway lighting safety standards. Assisted in obtaining required permits and crash history evaluations. Role: Lighting/Electrical Lead. Cost: N/A.</p>		
d.	City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project Hollywood, FL	Ongoing	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed lighting and electrical systems for a Complete Streets corridor, enhancing pedestrian-scale lighting, intersection illumination, and transit stop visibility. Conducted photometric analysis, voltage drop calculations, and LED fixture selection for energy efficiency. Integrated FPL streetlights, pedestrian beacons, and traffic signal wiring improvements. Ensured compliance with FDOT lighting standards and coordinated with local agencies for permitting and installation. Role: Lighting/Electrical Lead. Cost: N/A.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Maikel Fiallo Nunez, PE	Chief Electrical Engineer	a. TOTAL 24	b. WITH CURRENT FIRM 3

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Electrical Engineering, Instituto Superior Politecnico Jose Antonio Echeverria (07/15/2001)	PE (FL) No. 94434 (07/12/2022)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Schneider Electric Certification Course; Automatic Measurement Systems Post-Degree Course; Power Transformers Testing Post-Degree Course; MATLAB; AutoCAD 2019; LiveCount; Accubid Classic Estimating BidWinner Plus13; Ladder Logic Programming; TTC Advanced # 620316; Infrared Thermographer; Level I IMT0000046979; Infrared Thermographer Level II 17023

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Miami-Dade County DTPW, NW 84th Ave Reconstruction from NW 58th St to NW 74th St Design-Build Miami, FL	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Developed roadway lighting and electrical system design for a 1-mile corridor expansion, incorporating LED streetlights, pedestrian signals, and transit stop lighting. Conducted voltage drop calculations, load analyses, and photometric studies for optimal illumination. Coordinated FPL power service connections and ensured compliance with Miami-Dade lighting standards. Assisted in TTC planning for safe construction sequencing. Role: Lighting/Electrical Lead. Cost: \$7M.		
b.	FDOT D4, Intersection Lighting Retrofit Improvements Palm Beach County, FL	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed and implemented lighting retrofits at 29 signalized intersections, replacing HPS luminaires with LED fixtures and integrating FPL luminaires. Conducted photometric analysis, electrical load calculations, and optimized illumination levels for pedestrian and vehicular safety. Coordinated with FDOT and utility providers for seamless installation and energy efficiency compliance. Role: Lighting/Electrical Lead. Cost: \$1.5M.		
c.	Florida's Turnpike Enterprise (FTE), Districtwide Resurfacing Scoping Reports – Work Program Development Support Miami-Dade County, FL	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Assessed existing lighting infrastructure along multiple corridors, documented deficiencies, and developed photometric analysis for proposed LED retrofits. Conducted field inspections, identified lighting upgrades, and provided recommendations for integration into FDOT's resurfacing program. Designed lighting layouts for improved roadway visibility, ensuring compliance with FDOT lighting criteria. Role: Lighting/Electrical Lead. Cost: \$1.4M.		
d.	City of Pembroke Pines, SR-820/Pines Blvd Lighting Improvements Broward County, FL	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed lighting improvements for a high-traffic corridor, retrofitting five signalized intersections with LED luminaires and upgrading pedestrian lighting along a 10' shared-use path. Developed electrical power distribution plans, voltage drop calculations, and FPL service connections. Ensured compliance with FDOT lighting standards and coordinated with local agencies for implementation. Role: Lighting/Electrical Lead. Cost: N/A.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Javier Gil, EE	Electrical Engineer	a. TOTAL 6	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)

B.S. in Electrical Engineering, Universidad Technologica de La Habana (07/20/2019)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Wiring Schematics; System-Level Electrical Design and Integration; Skilled with Analytical Software; Extensive AutoCAD; Staff Management; Power Systems; Electrical Engineering; 2D and 3D Modeling; DIALUX Knowledge; Team Management; Employee Scheduling; TTC Advanced # 620312

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D4, Intersection Lighting Retrofit Improvement Project Palm Beach County, FL	2023	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed lighting retrofits for three signalized intersections, replacing outdated HPS luminaires with high-efficiency LED fixtures and adding new FPL luminaires. Performed AGi32 photometric calculations for horizontal and vertical illuminance compliance. Coordinated with FDOT and local agencies for seamless integration. Developed power distribution layouts, lighting warrant analyses, and optimized energy efficiency for intersection safety enhancements. Role: Lighting/Electrical Lead. Cost: \$1.5M.</p>		
b.	FDOT D4, SR-817/University Dr Widening from North of WB SR-84 to North of NW 1st St Broward County, FL	Ongoing	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed lighting and electrical improvements for a major widening project, including four signalized intersections. Developed plans for LED retrofits, pedestrian-scale lighting, and mast arm-mounted luminaires. Conducted photometric analysis, voltage drop calculations, and electrical load balancing. Ensured compliance with FDOT lighting standards and coordinated with stakeholders for power distribution modifications. Role: Lighting/Electrical Lead. Cost: \$2.9M.</p>		
c.	Miami-Dade County DTPW, Venetian Causeway from N. Bayshore Dr to Purdy Ave Miami-Dade County, FL	Ongoing	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed lighting improvements for 11 bridges along the Venetian Causeway, incorporating new LED luminaires, navigation lighting, and bridge-mounted fixtures. Developed retrofits for existing poles, replacing outdated HPS luminaires with LEDs at signalized intersections. Conducted photometric analysis, voltage drop calculations, and FPL coordination. Ensured compliance with FDOT lighting criteria and local maritime navigation regulations. Role: Lighting/Electrical Lead. Cost: \$254K.</p>		
d.	City of West Park, SR-7 Pedestrian Lighting Improvements Broward County, FL	2022	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed pedestrian lighting upgrades along SR-7, including LED luminaire installations, transit stop illumination, and high-visibility crosswalk enhancements. Conducted photometric analysis, voltage drop calculations, and FPL service coordination. Ensured compliance with roadway lighting safety standards, MUTCD guidelines, and FDOT pedestrian lighting requirements. Assisted in permitting and final construction support for lighting installation. Role: Lighting/Electrical Lead. Cost: N/A.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Hernan Lugo, MS, PE, CFM	Permitting Specialist, Drainage Design, and Stormwater Analysis & Modeling	a. TOTAL 27	b. WITH CURRENT FIRM 8

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)

M.S. in Environmental Engineering, Texas A&M University (2011);
B.S. in Civil Engineering, Universidad Nueva Esparta, Venezuela (1998)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

PE (FL) No. 74961 (08/06/2012); PE (TX) No. 108728 (05/25/2011);
TIN No. L20032074

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Florida Certified Building Contractor - No. 160661; Certified Floodplain Manager - No. US-15-08248; TTC Advanced #38971

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Miami-Dade County DTPW, NE 2nd Ave Reconstruction from NE 20th St to NE 36th St Design-Build Miami, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Led drainage and stormwater design for a 1.09-mile corridor, integrating a new storm sewer system, curb inlets, and outfall connections. Conducted hydraulic modeling to optimize stormwater conveyance and pollutant load reduction. Coordinated with permitting agencies for SWPPP and erosion control measures. Designed ADA-compliant curb ramps and positive drainage systems to mitigate ponding and improve roadway functionality. Role: Drainage & Stormwater Lead. Cost: \$13.7M.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D4, SR-7/US-441 Transit Corridor Improvements - Task Order 3 LAP Project Broward County, FL		PROFESSIONAL SERVICES 2022	CONSTRUCTION (if applicable) N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed stormwater and drainage improvements to support multimodal safety upgrades along SR-7. Developed stormwater modeling for new curb inlets, culvert crossings, and additional flumes to enhance flow conveyance. Ensured ADA curb ramps were properly graded for positive drainage. Managed regulatory coordination with FDOT and SFWMD to secure stormwater permits and compliance approvals. Role: Drainage & Stormwater Lead. Cost: \$1.2M.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D4, SR-806/Atlantic Ave from SR-7 to Jog Rd Drainage Improvements Palm Beach County, FL		PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed stormwater and drainage improvements for a high-traffic corridor, integrating new exfiltration trenches, cross drains, and outfall enhancements to mitigate roadway flooding. Conducted stormwater modeling for peak flow conditions and pollutant load reduction. Led permitting efforts with FDOT, Palm Beach County, and SFWMD to ensure regulatory compliance. Developed erosion control plans and SWPPP for construction approvals. Role: Drainage & Stormwater Lead. Cost: \$2.3M.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D4, SR-817/University Dr from Nova Dr to SR-84 Davie, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Designed drainage improvements for an auxiliary lane extension, optimizing stormwater management through culvert replacements, outfall realignments, and pollutant load reduction strategies. Conducted hydraulic modeling for peak flow conditions and developed SWPPP for permitting compliance. Led permitting coordination with FDOT and Broward County to ensure compliance with stormwater design standards. Role: Drainage & Stormwater Lead. Cost: \$7M.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Gary Cox, EI	Engineering Intern	a. TOTAL 10	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)

HBC **HBC Engineering Company**
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Civil Engineering, University of South Florida (05/02/2015)	E.I. (FL) No. 1100019871 (04/11/2016)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Microstation; AutoCAD; Civil3D; Microsoft Office Suite

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D4, SR-817/University Dr from Nova Dr to SR-84 Drainage Improvements Davie, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed drainage and stormwater improvements for an auxiliary lane extension, including new curb inlets, underground detention systems, and optimized outfall locations. Conducted stormwater modeling using ICPR, analyzing peak flow rates and pollutant load reductions. Assisted with drainage structure relocations and hydraulic performance evaluations. Coordinated with FDOT for permitting approvals and compliance with drainage regulations. Role: Drainage Designer. Cost: \$7M.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D4, Districtwide Flooding Investigations and Stormwater Retrofit Analysis Broward & Palm Beach Counties, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
b. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Conducted flooding investigations for multiple locations, analyzing existing drainage systems and proposing stormwater retrofits to mitigate recurring issues. Developed drainage reports, stormwater modeling, and cost-effective solutions, including culvert resizing and retention pond enhancements. Coordinated with FDOT to prioritize infrastructure upgrades based on cost-benefit analyses and hydraulic performance. Role: Drainage & Stormwater Modeling Lead. Cost: N/A.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D7, Multi-Watershed Corridor Drainage Design & Stormwater Management Hillsborough County, FL		PROFESSIONAL SERVICES 2022	CONSTRUCTION (if applicable) N/A
c. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Led stormwater modeling and drainage design for a multi-watershed roadway project, optimizing stormwater conveyance across multiple drainage basins. Developed ICPR models for floodplain analysis, designed exfiltration trenches, and proposed erosion control measures. Worked with roadway and structural engineers to ensure stormwater compliance with FDOT and SWFWMD regulations. Role: Drainage & Stormwater Modeling Lead. Cost: N/A.		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT D4, Stormwater System Enhancements for Rural Roadway Improvements Palm Beach County, FL		PROFESSIONAL SERVICES 2017	CONSTRUCTION (if applicable) N/A
d. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Designed stormwater system enhancements for a rural roadway expansion, incorporating exfiltration trenches, bioswales, and retention basins to meet stormwater treatment requirements. Conducted floodplain modeling and analyzed pollutant load reductions for regulatory compliance. Assisted in preparing stormwater permits and coordinated with environmental agencies for water quality improvements. Role: Drainage Designer. Cost: N/A.		[X] Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Alejandra Mendoza-Diaz, EI	Engineering Intern	a. TOTAL 3	b. WITH CURRENT FIRM 3

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Civil Engineering, University of Miami (05/12/2023)	EI (FL) No. 1100027333 (11/28/2023)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

MOT

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT D4, SR-817/University Dr Widening from Nova Dr to SR-84 Davie, FL	Ongoing	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Provided drainage design support for a roadway widening project, conducting spread calculations and developing drainage structure cross sections. Assisted in stormwater modeling, exfiltration trench layout, and culvert capacity analysis. Coordinated with FDOT for compliance with stormwater regulations and integrated pollution control structures to improve runoff treatment. Role: Drainage Designer. Cost: N/A.</p>		
b.	Palm Beach County, Boca Rio Rd Widening from Palmetto Park Rd to Glades Rd Boca Raton, FL	Ongoing	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed drainage structure cross sections, drainage maps, and spread calculations for a widening project along a 1.5-mile corridor. Conducted stormwater analysis, modeled peak runoff conditions, and developed mitigation strategies to prevent flooding. Assisted in compliance coordination with Palm Beach County and SFWMD permitting agencies for stormwater approvals. Role: Drainage Designer. Cost: \$660K.</p>		
c.	FDOT D4, Stormwater System Enhancements for Rural Roadway Improvements Palm Beach County, FL	2023	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed drainage improvements, including exfiltration trenches, bioswales, and retention basins, to improve stormwater management for a rural roadway expansion. Conducted stormwater modeling and pollutant load reduction analysis to enhance water quality. Assisted in permitting coordination with FDOT and SFWMD to ensure compliance with environmental regulations. Role: Drainage Designer. Cost: N/A.</p>		
d.	FDOT D6, SR-933/NW 12th Ave at NW 19th St Drainage Improvements Miami-Dade County, FL	2022	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Designed stormwater drainage improvements for an urban intersection, including new storm sewer inlets, cross drains, and pollutant control structures. Developed stormwater models to optimize flow capacity and ensure compliance with FDOT drainage regulations. Assisted in permitting efforts with FDOT and Miami-Dade County for construction approvals. Role: Drainage Designer. Cost: \$1.3M.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Moatz Saad, PhD, PE, PTOE, IMSA II	Traffic Operations and Safety Studies Lead	a. TOTAL 12	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)

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)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

PE (NC) No. 056192 (05/04/2023); PTOE No. 5763 (07/09/2024); TIN No. S30054591

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

SAS Data Mining; FSUTMS Modeling; 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; Synchro; ArcGis; AutoCad; SAS, SPSS, R/RStudio, Python

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	FDOT District 4, CEI Services for Complete Streets Improvements along Boynton Beach Blvd Boynton Beach, FL	2025	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
Senior Traffic Engineer for Complete Streets improvements along Boynton Beach Blvd. Scope includes landscape enhancements, retrofit lighting, signing and pavement markings, reconstruction, milling and resurfacing, sidewalk and drainage modifications. Addressed utility conflicts, temporary traffic control plans (TTCs), and coordination with adjacent projects. Role: Senior Traffic Engineer. Cost: \$10M.			
b.	Palm Beach County, George Bush Blvd Bridge over the ICWW Bridge Replacement Delray Beach, FL	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
Project Manager responsible for data collection, microsimulation models, calibration and validation, traffic forecasting, and Equivalent Single Axle Loading (ESAL) analysis. Conducted safety analysis, crash analysis, collision diagrams, and Highway Safety Manual (HSM) analysis to mitigate the impact of the bridge closure. Role: Project Manager. Cost: N/A.			
c.	Palm Beach County, George Bush Blvd Bridge over the ICWW Bridge Replacement Delray Beach, FL	Ongoing	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
Project Manager responsible for data collection, microsimulation models, calibration and validation, traffic forecasting, and Equivalent Single Axle Loading (ESAL) analysis. Conducted safety analysis, crash analysis, collision diagrams, and Highway Safety Manual (HSM) analysis to mitigate the impact of the bridge closure. Role: Project Manager. Cost: N/A.			
d.	FDOT District 6, Districtwide Resurfacing Scoping Reports (CA812/FPID # 250759-3-22-04) Miami-Dade County, FL	2023	N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
Assisted with the preparation of districtwide resurfacing scoping reports, including Target Speed Studies and traffic safety studies. Conducted speed data collection, pedestrian activity evaluation, and crash analysis to determine appropriate speed limits and safety enhancements. Role: Traffic Engineer. Cost: \$1.5M.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Jeremy Braithwaite, IMSA II	Engineering Technician	a. TOTAL 8	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
B.S. in Civil Engineering, Florida International University (04/29/2017)	TIN No. B24024764

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

TTC Advanced No. 626241; IMSA Level 2 Certified; ITS CEI Microwave Vehicle Detection System CBT; ITS CEI Road Weather Information System CBT; ITS CEI Closed-Circuit Television CBT; ITS CEI Dynamic Message Signs CBT; ITS CEI Managed Field Ethernet Switch CBT

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Palm Beach County, George Bush Blvd Bridge over the ICWW Bridge Replacement Delray Beach, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Data Collection Lead responsible for managing data collection, Turning Movement Counts (TMCs), O-D counts, existing conditions, microsimulation models, and calibration/validation. Assisted with future demand forecasting, Equivalent Single Axle Loading (ESAL) analysis, safety analysis, crash analysis, and Highway Safety Manual (HSM) evaluation. Role: Data Collection Lead. Cost: N/A.		
		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT District 4, CEI Services for Complete Streets Improvements along Boynton Beach Blvd Boynton Beach, FL		PROFESSIONAL SERVICES 2025	CONSTRUCTION (if applicable) N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Data Collection Lead for Complete Streets improvements along Boynton Beach Blvd, including sidewalk and drainage modifications, signing and pavement markings, lighting, and reconstruction. Oversaw traffic data collection for operations analysis, speed studies, and safety evaluations to ensure ADA compliance and pedestrian/bike mobility. Role: Data Collection Lead. Cost: \$10M.		
		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City of Hollywood, Johnson St from North 30th Rd to North Dixie Hwy Complete Streets Project Hollywood, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Data Collection Lead supporting a PD&E study for street reconstruction to include new sidewalks, lighting, transit bus stops, and drainage improvements. Conducted turning movement counts (TMCs), 72-hour volume counts, gap data, and speed data collection to assess traffic operations and safety. Role: Data Collection Lead. Cost: N/A.		
		[X] Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
FDOT District 4, SR-817/University Dr Widening from Nova Dr to SR-84 Davie, FL		PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) 2023
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Data Collection Lead for traffic operations and safety analysis for three corridor improvement concepts along SR-817. Conducted turning movement counts (TMCs), Automatic Traffic Recorder (ATR) volume data, Origin-Destination (O-D) studies, speed studies, and queuing analysis. Supported VISSIM microsimulation and Synchro analysis for operational assessment, signal retiming, and Surrogate Safety Assessment Model (SSAM) evaluation. Role: Data Collection Lead. Cost: N/A.		
		[X] Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Gabriel A. Evilla Cano, MS	Engineering Technician	a. TOTAL 2	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
M.S. in Transportation Engineering, Florida International University (12/13/2023); B.S. in Civil Engineering, Universidad, Del Norte, ABET Accredited (03/05/2021)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

UAS Remote Pilot (Certificate #4961095); OpenRoads; Synchro; CORSIM; Vissim; CAD; ArcGis; HCS7; Microsoft Excel

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Palm Beach County, George Bush Blvd Bridge over the ICWW Bridge Replacement Delray Beach, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Transportation Engineering Technician assisting with traffic data collection (TMCs, O-D counts, microsimulation models, calibration, and validation). Conducted future demand forecasting, Equivalent Single Axle Loading (ESAL) analysis, and assisted with safety analysis, crash analysis, collision diagrams, and Highway Safety Manual (HSM) evaluation. Developed mitigation strategies for bridge closure impacts on local traffic. Role: Transportation Engineering Technician. Cost: \$200K.		
b.	FDOT District 4, SR-817/University Dr Widening from Nova Dr to SR-84 Davie, FL	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Transportation Engineering Technician for traffic operations and safety analysis on corridor improvements along SR-817. Conducted TMCs, Automatic Traffic Recorder (ATR) volume data, O-D studies, speed studies, and queue analysis. Assisted in VISSIM microsimulation and Synchro analysis to compare intersection efficiency. Supported signal retiming and Surrogate Safety Assessment Model (SSAM) evaluation to enhance traffic flow and multimodal safety. Role: Transportation Engineering Technician. Cost: N/A.		
c.	FDOT District 6, SR-9/NW 27th Avenue Traffic Analysis from NW 7th Street to NW 36th Street Miami, FL	2023	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Transportation Engineering Technician supporting a traffic operations study evaluating the removal of permissive left-turn phases at 8 intersections, including a drawbridge over the Miami River. Responsibilities included data collection (TMCs, speed/queuing data, signal timing analysis), drone operation for vehicle conflict analysis, and VISSIM microsimulation for existing and future conditions. Role: Transportation Engineering Technician. Cost: N/A.		
d.	FDOT District 6, Okeechobee Road Traffic Analysis Miami-Dade County, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Transportation Engineering Technician responsible for microsimulation analysis for corridor reconstruction. Performed network calibration and traffic forecasting based on future geometric design changes. Assisted with data collection (TMCs, speed/queue studies, travel time analysis, and classification counts at 13 locations). Evaluated existing and future no-build/build conditions to optimize roadway performance and safety. Role: Transportation Engineering Technician. Cost: N/A.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Sonny Abia, PhD, PE	Utility Coordinator and Structural Lead	a. TOTAL 35	b. WITH CURRENT FIRM 6

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
PhD in Civil Engineering, University of Miami (06/25/2010); M.S. in Civil Engineering, Florida International University (08/13/1992); B.S. in Civil Engineering, Florida International University (08/20/1990)	PE (FL) No. 48190 (07/15/1994)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)


TTC Advanced Certification; Certification General Course in Construction City and Guilds of London Institutes

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
FDOT District 4, SR-817/University Dr Roadway Improvements from SW 24th St/Nova Dr to EB SR-84 Broward County, FL		Ongoing	N/A
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Utility Coordinator and QA/QC Reviewer for roadway improvements, including pavement widening for an auxiliary lane, drainage structure relocations, mast arm and utility pole adjustments, and reconfigured intersections. Managed bus stop bay modifications, right-turn lane reconfigurations, and traffic flow improvements while ensuring compliance with FDOT utility coordination standards. Role: Utility Coordinator & QA/QC Reviewer. Cost: \$1.7M.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
FDOT District 4, SR-7/US-441 Transit Corridor Improvements – Task Order 2 LAP Broward County, FL		2022	N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Utility Coordinator and QA/QC Reviewer for intersection lighting retrofits, sidewalk construction, and bike lane enhancements along SR-7/US-441. Conducted utility conflict resolution, drainage adjustments, and signal upgrades while coordinating with FDOT and utility owners. Managed three-phase QA/QC reviews to ensure regulatory compliance. Role: Utility Coordinator & QA/QC Reviewer. Cost: N/A.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
Florida Department of Transportation (FDOT) District 4, SR-800/ Spanish River Blvd Bridge Rehabilitation Palm Beach County, FL		2006	N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm Structural Engineering Lead and Project Manager for rehabilitation of a bascule bridge over the Intracoastal Waterway. Led structural and mechanical upgrades, including system control replacements, brake replacements, and tender house repairs. Managed QA/QC reviews, public coordination, and permit approvals to ensure compliance with FDOT structural standards. Role: Structural Engineer & Project Manager. Cost: N/A.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
FDOT District 4, I-95 Median Guardrail & Traffic Safety Structures Martin & St. Lucie Counties, FL		2006	N/A
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm Structural Engineer and Project Manager for median guardrail installation and traffic safety enhancements along I-95. Designed and implemented guardrail systems, impact attenuators, and overhead cantilever sign foundations to improve highway safety and crash mitigation. Oversaw slope corrections, glare screens, and structural evaluations to ensure compliance with FDOT standards. Role: Structural Engineer & Project Manager. Cost: \$7.6M.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Terrence A. Sansaricq	Utility Coordinator	a. TOTAL 27	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION (City and State)			
 HBC Engineering Company Boca Raton, FL			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
High School (1998)		Unlimited Electrical Contractor License; (LN#: EC13004674); (LN#: EC13012689); Licensed in Florida and North Carolina	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	City Hall Demolition, Alpha Wrecking Fort Lauderdale, FL	PROFESSIONAL SERVICES 2024	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm Utility Coordinator for temporary power installation and removal with FPL for final demolition of a municipal building. Conducted inspections of underground feeder vaults and coordinated with utility providers and field engineers for the safe decommissioning of services. Managed temporary rack installation and cable routing, ensuring compliance with local regulations and safety standards. Role: Utility Coordinator. Cost: \$350K.		
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Jarrah Private BNB Utility Coordination Pompano Beach, FL	PROFESSIONAL SERVICES 2024	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm Utility Coordinator responsible for installing a 5-gang meter pack, running new conduit feeders to a newly installed handhole, and coordinating with FPL and water utility companies. Oversaw trenching operations in easement areas, ensuring minimal disruption and compliance with municipal regulations. Managed field coordination with utility engineers to address unforeseen obstacles. Role: Utility Coordinator. Cost: \$36K.		
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	FDOT District 4, Wilen Group Utility Coordination Deerfield Beach, FL	PROFESSIONAL SERVICES 2006	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm Utility Coordinator for a 35,000 sq ft tilt-wall construction project, overseeing utility installations, conduit routing, and electrical system integration. Coordinated with FPL and water utilities to install six 3-inch PVC conduits through a drainage area. Led utility conflict resolution meetings and site inspections, ensuring compliance with FDOT and municipal utility guidelines. Role: Utility Coordinator. Cost: \$94K.		
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	FDOT District 6, Andrews Commerce Center Utility Coordination Fort Lauderdale, FL	PROFESSIONAL SERVICES 2016	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Utility Coordinator responsible for adding a 400-amp main disconnect to support high-load tenant requirements at a commercial facility. Managed FPL utility tie-in coordination for rooftop mast installation, ensuring seamless integration of new power systems. Conducted utility conflict resolution meetings to prevent service disruptions and ensure compliance with local and FDOT utility regulations. Role: Utility Coordinator. Cost: N/A.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Daniel Rivera, MS	Construction Cost Estimator/Scheduler	a. TOTAL 13	b. WITH CURRENT FIRM 7

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
M.S. in Mathematics, University of Texas, (06/21/2024); B.S. in Mathematics, University of Texas, (06/16/2012)	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Certified Scheduling Technician Certificate, AACEI; Interactive Hands-on P6 Professional Course; Interactive Hands-on Microsoft Project Course; Planning & Scheduling Professional Course; Schedule Delay Claims Analysis Course; P6 Core Curriculum; Advance Earned Value Reporting; Sage Cost Estimating Fundamentals

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Miami-Dade County Water and Sewer Dept. (MDC-WASD), Ocean Outfall Legislation (OOL) Program Miami-Dade County, FL	Ongoing	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Controls Engineer responsible for cost estimating, scheduling updates, and Earned Value Management (EVM) reporting on wastewater treatment plant upgrades to comply with Ocean Outfall Legislation (OOL). Managed construction cost tracking for a 20MG equalization tank, pump station upgrades, headworks modifications, chemical odor control, and electrical substation work. Analyzed critical path method (CPM) schedules using Primavera P6, reviewed downstream impacts, and tracked cost deviations. Role: Project Controls Engineer. Cost: N/A.		
b.	Florida's Turnpike Enterprise (FTE), Turnpike Widening from Osceola Parkway to SR-528 Osceola County, FL	2018	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Cost Estimator for the widening of a 5-mile segment of Florida's Turnpike, increasing capacity from two to four lanes per direction. Developed cost breakdown structures for material procurement, labor, and maintenance of traffic (MOT). Analyzed bid comparisons and cost efficiencies, contributing to the winning bid by achieving a 0.3% cost advantage over competitors. Managed cost reporting and financial risk mitigation strategies. Role: Cost Estimator. Cost: \$169M.		
c.	Florida's Turnpike Enterprise (FTE), SunTrax Infield Vertical Structures Polk County, FL	2018	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Cost Estimator responsible for budget development and cost control of two vertical structures and multiple non-accessible gantries at the SunTrax testing facility. Developed cost estimates for material procurement, site preparation, structural steel installation, and finishing work. Provided cost tracking reports and financial forecasts, ensuring adherence to FDOT project budget constraints. Role: Cost Estimator. Cost: N/A.		
d.	Transmission Enhancements for Deliverability and Integrity Program (TED-I) Ann Arbor, MI	2021	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Project Controls Engineer responsible for cost tracking, schedule updates, and risk management for five subprojects under a pipeline upgrade program. Developed and maintained cost estimates, engineering, procurement, and construction (EPC) schedules, and conducted work breakdown structure (WBS) development. Role: Project Controls Engineer. Cost: N/A.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Sreelatha Nandivada, MS, PE	Senior Engineer	a. TOTAL 15	b. WITH CURRENT FIRM 1

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
M.S. in Civil Engineering, University of California; B.E. in Civil Engineering, University of Madras, (2003)	PE (NY/NC/SC/VA/TX/CA/CT/NV/UT)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

NHI - Safety Inspection of In-Service Bridges; NHI Certification for Fundamentals and Applications of LRFR for Bridge Superstructures

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Missouri DOT (MODOT), Route J Over Big Creek – Bridge Design Lincoln County, MO	2024	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [] Check if project performed with current firm Senior Structural Engineer for the design of a 3-span bridge (80'-120'-80') using NU-53 P/S Concrete NU-Girders, integral pile cap end bents, and round concrete intermediate bents on drilled shafts and rock sockets. Designed the superstructure and substructure to support traffic loads and meet MODOT design standards. Responsible for bridge modeling, structural analysis, and QA/QC reviews. Role: Senior Structural Engineer. Cost: N/A.		
b.	FDOT District 4, Breakaway Sign Support Design – I-91 & I-84 Intersections Connecticut	2010	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Structural Engineer for the design of breakaway sign supports at major highway intersections, ensuring compliance with AASHTO signal and luminaire guidelines. Developed base plate, anchor bolt, and post foundation designs to optimize wind resistance and impact safety performance. Evaluated existing conditions and implemented design modifications to extend structural durability. Role: Structural Engineer. Cost: N/A.		
c.	FDOT District 4, Traffic Signal Support Structures – Condition Rating & Repairs Hartford, CT	2013	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Structural Engineer for inspection and evaluation of 3,100 traffic signal support structures, assessing concrete foundations, anchor bolts, and performance deterioration. Developed a condition rating matrix and documented light intensity and location data using GIS. Provided repair and reinforcement recommendations to extend structure lifespan and ensure compliance with FDOT and AASHTO guidelines. Role: Structural Engineer. Cost: N/A.		
d.	FDOT District 4, Utility Support Design – Water Main Across Bridge 00471 Plymouth, CT	2013	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Structural Engineer for the design of pipe hangers and accessories for a water main crossing a bridge. Performed pipe stress analysis, anchor bolt design, and AutoCAD structural detailing to ensure the water main's stability under traffic and environmental loads. Developed seismic-resistant supports to prevent differential movements between the bridge and the water main. Role: Structural Engineer. Cost: N/A.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Aneuris Hernandez, MS, EI	Chief Engineer	a. TOTAL 21	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION (City and State)			
HBC Engineering Company Boca Raton, FL			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
M.S. in Civil Engineering, Universidad Politecnica de Puerto Rico (04/23/2009); B.S. in Civil Engineering, Universidad Nacional Pedro Henríquez Ureña (03/15/2004)		EI (FL) No. 1100022042 (09/21/2018)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Florida's Turnpike Enterprise (FTE), Turnpike Resurfacing from MP 227 to MP 235 Osceola County, FL	PROFESSIONAL SERVICES 2022	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior Structural Engineer for load rating analysis and structural evaluation of Bridge No. 920042, focusing on deck and wingwall capacity. Scope included Milling & Resurfacing (M&R), safety enhancements, cross-slope corrections, drainage improvements, bridge expansion joint repairs, and guardrail retrofits. Conducted structural assessment for bridge railings and approach slabs to meet FDOT and Turnpike standards. Role: Senior Structural Engineer. Cost: \$12M.		
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	FDOT District 4, Brant Drive Bridge Replacement Boca Raton, FL	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior Structural Engineer for quality control and design reviews of a two-lane bridge replacement with shared-use paths, upgraded ADA features, drainage improvements, and pavement markings. Ensured structural integrity of the new bridge spans, assessed load-bearing capacity, and coordinated geotechnical and utility considerations. Role: Senior Structural Engineer. Cost: \$315M.		
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	FDOT District 4, Traffic Signal Support Structures – Condition Rating & Repairs Florida	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Structural Engineer for evaluation and repair recommendations of FDOT traffic signal support structures, including anchor bolt and foundation inspections, structural reinforcements, and compliance assessments. Conducted structural condition rating and GIS documentation for over 3,100 signal support structures. Role: Structural Engineer. Cost: N/A.		
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	FDOT District 4, I-95 Express Lanes (EL) Design-Build 3C Broward County, FL	PROFESSIONAL SERVICES 2019	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior Structural Engineer for design and plan development of six non-accessible overhead gantries along I-95 Express Lanes. Responsibilities included foundation design, structural analysis of gantry support columns, and wind load resistance evaluations. Ensured compliance with FDOT structural standards for highway structures and Intelligent Transportation Systems (ITS) elements. Role: Senior Structural Engineer. Cost: N/A.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Melannie Gomez	Public Information Officer	a. TOTAL 6	b. WITH CURRENT FIRM 2

15. FIRM NAME AND LOCATION (City and State)

HBC HBC Engineering Company
Boca Raton, FL

16. EDUCATION (Degree and Specialization)

B.A. in Public Relations & Administration, Florida International University (12/17/2022)

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

QuickBooks Desktop; Microsoft Excel, Word, & PowerPoint; Google Sheets; Outlook & Teams; Monday.com; Fluent in Spanish and English

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City of Hollywood, Johnson St Complete Streets Feasibility Study Hollywood, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
a. Public Involvement Lead for stakeholder engagement and community outreach regarding the development of Complete Streets alternatives for the Johnson Street corridor. Responsibilities include coordinating public meetings, preparing fact sheets, collecting and analyzing community feedback, and facilitating online and in-person voting for alternative designs. Also responsible for finalizing the public involvement report for use by the City of Hollywood and local stakeholders. Role: Public Involvement Lead. Cost: \$150K.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Miami-Dade County DTPW, NW 84th Ave Reconstruction (Design-Build) Miami, FL		PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[X] Check if project performed with current firm	
b. Public Involvement Specialist responsible for coordinating mass mailings and stakeholder notifications regarding the reconstruction of a 1-mile segment of NW 84th Ave, which includes widening, drainage system upgrades, and new stormwater management facilities. Responsibilities include preparing letters for project stakeholders, addressing concerns related to tree removal and construction impacts, and ensuring clear communication between project managers and the community. Role: Public Involvement Specialist. Cost: \$7M.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City of Miami, Community Stakeholder Relations & Media Coordinatio Miami, FL		PROFESSIONAL SERVICES 2019	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[] Check if project performed with current firm	
c. Public Engagement Coordinator for local community initiatives involving public outreach, stakeholder coordination, and media engagement. Responsibilities included developing communication materials, coordinating stakeholder meetings, and ensuring that residents received timely project updates. Assisted in public event planning and strategic messaging for municipal programs. Role: Public Engagement Coordinator. Cost: N/A.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Client Engagement & Outreach Program Miami, FL		PROFESSIONAL SERVICES 2023	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		[] Check if project performed with current firm	
d. Marketing Specialist responsible for public engagement and communications for over 1,000 clients nationwide. Duties included conducting surveys to gather stakeholder feedback, facilitating meetings with external agencies, developing outreach materials, and ensuring compliance with public relations strategies. Led quarterly SWOT analyses to enhance client services and optimize outreach strategies. Role: Marketing Specialist. Cost: N/A.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Frank Paruas, PSM	Senior Surveyor	a. TOTAL 24	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)



GPI Geospatial, Inc.
Doral, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
BS / Mechanical Engineering	FL / Professional Surveyor & Mapper #LS6625

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Florida Surveying and Mapping Society (FSMS) / Central Florida and South Florida, Member National Society of Professional Surveyors (NSPS), Member

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Continuing Services for Survey Mapping and SUE, FPID 429258-5, Broward, Palm Beach, Martin, Indian River, and St. Lucie Counties, FL		PROFESSIONAL SERVICES Present	CONSTRUCTION (if applicable) N/A
a. (3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE GPI Geospatial provides miscellaneous surveying and mapping services under this multi-task, multi-year contract with District 4 which requires the consultant to manage their team and subconsultants to perform all types of survey work, including right-of-way mapping, right-of-way control survey, parcel stakeout, control surveys, recovery of historical baseline of survey, right-of-way lines, subsurface utility engineering (SUE), aerial survey, drainage survey, and 3D surveys using traditional survey methods or any form of lidar (remote sensing) to collect topographic features. GPI Geospatial has successfully completed 80 task work orders under this contract.		[X] Check if project performed with current firm	
b. (1) TITLE AND LOCATION (City and State) 3D Design Survey for SR 9 (I-95) from S of Linton Rd to 6th Ave S, Palm Beach County, FL		PROFESSIONAL SERVICES 2024	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE GPI Geospatial performed a complete 3D survey for this 12.5-mile highway corridor in Palm Beach County. The scope included, primary and secondary control survey, a complete 3D design survey from right-of-way to right-of-way with a completed investigation of more than 500 drainage structures performed by Bowman and Ritzel-Mason as part of the GPI Geospatial team. GPI Geospatial was also responsible of recovering the Historical Baseline of Survey and the determination of right-of-way lines for the entire corridor, including the CSX corridor.		[X] Check if project performed with current firm	
c. (1) TITLE AND LOCATION (City and State) 3D Design Survey for SR 710/(Beeline Highway) from ±1,600LF SE of SR 714 to FPL Plant Access Road, Martin County, FL		PROFESSIONAL SERVICES Present	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE GPI Geospatial is part of this effort multi-team effort to perform a complete reconstruction of this 10 miles corridor. The effort includes multiple survey consultants, that are surveying up to approximate an area 350' wide that extends into private properties. GPI Geospatial is collecting this project using aerial lidar. The use of aerial lidar allows our team to collect 3D features along the strip of land 10 miles long that could extend up to 400LF from FDOT right-of-way without impacting residents and expending the 3D submittal.		[X] Check if project performed with current firm	
d. (1) TITLE AND LOCATION (City and State) 3D Design Survey for SR 710 (Warfield Highway) at CR 714 Relocation Project, City or County, State		PROFESSIONAL SERVICES Present	CONSTRUCTION (if applicable) N/A
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE GPI Geospatial provided a complete design survey for this project in Martin and Okeechobee County farm areas. The Design Survey was performed with the purpose of redesigning CR 714 at its intersection with SR 710 and will require the acquisition of several parcels as FEE-Simple, Permanent, and Temporary Easements. The 3D Survey was completed using Aerial Lidar and Imagery and included the existing developed SR 710 and CR 714 paved areas and portions of private parcels, adjacent to the road. The use of Aerial Lidar allowed our team to collect 3D features in some areas up to 1,000 LF outside of FDOT RW without impacting residents. GPI Geospatial established Primary and Secondary Control and recovered the Historical Baseline of the Survey and right-of-way lines.		[X] Check if project performed with current firm	

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Julio Delgado, PSM	Senior Surveyor	a. TOTAL 26	b. WITH CURRENT FIRM 5

15. FIRM NAME AND LOCATION (City and State)



GPI Geospatial, Inc.
Doral, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
BS / Software Engineering	FL / Professional Surveyor & Mapper #LS7193

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Florida Surveying and Mapping Society (FSMS), Member National Society of Professional Surveyors (NSPS), Member

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Continuing Services for Survey Mapping and SUE, FPID 429258-5, Broward, Palm Beach, Martin, Indian River, and St. Lucie Counties, FL	Present	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>GPI Geospatial provides miscellaneous surveying and mapping services under this multi-task, multi-year contract with District 4 which requires the consultant to manage their team and subconsultants to perform all types of survey work, including right-of-way mapping, right-of-way control survey, parcel stakeout, control surveys, recovery of historical baseline of survey, right-of-way lines, subsurface utility engineering (SUE), aerial survey, drainage survey, and 3D surveys using traditional survey methods or any form of lidar (remote sensing) to collect topographic features. GPI Geospatial has successfully completed 80 task work orders under this contract.</p>		
b.	Right-of-Way Map for CR812 (Lantana Rd) from W of Lake Osborne Dr to E of Andrew Redding Rd, Section 93530-2525 Palm Beach County, FL	2023	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>The map included obtaining six FEE simple parcels and 12 temporary construction easements into seven groups (701-707). We also compiled six legal descriptions for the parcels and seven legal descriptions for the easements. This right-of-way map included the determination of existing limited access right-of-way lines along SR9 (I-95) by reviewing existing control survey and comparing to historical maps, as well as reviewing and plotting parcels, easements, and right-of-way lines as shown in the provided title search documentation for each of the parent tracts impacted by acquisitions of right-of-way of temporary easements.</p>		
c.	3D Design Survey for SR 710 (Warfield Highway) at CR 714 Relocation Project, City or County, State	Present	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>GPI Geospatial provided a complete design survey for this project in Martin and Okeechobee County farm areas. The Design Survey was performed with the purpose of redesigning CR 714 at its intersection with SR 710 and will require the acquisition of several parcels as FEE-Simple, Permanent, and Temporary Easements. The 3D Survey was completed using Aerial Lidar and Imagery and included the existing developed SR 710 and CR 714 paved areas and portions of private parcels, adjacent to the road. The use of Aerial Lidar allowed our team to collect 3D features in some areas up to 1,000 LF outside of FDOT RW without impacting residents. GPI Geospatial established Primary and Secondary Control and recovered the Historical Baseline of the Survey and right-of-way lines.</p>		
d.	3D Design Survey for Survey for SR93 (I-75/Alligator Alley) from Toll Plaza to Broward/Collier County Line Broward County, FL	2023	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>GPI Geospatial provided ground control for this ±26-miles corridor for FDOT District 4. GPI Geospatial has set primary and secondary (aerial targets) control points along the entire corridor and performed static GPS observations at 70 BLC points. In addition, GPI Geospatial prepared a project network control sheet and updated the right-of-way file for the entire project.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Raj Krishnasamy, PE	Chief Geotechnical Engineer	a. TOTAL 37	b. WITH CURRENT FIRM 25

15. FIRM NAME AND LOCATION (City and State)



Tierra South Florida, Inc.

West Palm Beach, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
MS / Geotechnical Engineering BS / Civil Engineering	FL / Professional Engineer, 53567, FL / Water Well Contractor, 11346, Certified OSHA Supervisor, Certified Environmental Consultant

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

N/A

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	Lowson Blvd Roadway Improvements from Dover Road to US-1/ Federal Highway, Delray Beach, FL	2019	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for Lowson Boulevard. The project consisted of two-lane roadways, sidewalk, and curb/gutter improvements. Provided a geotechnical engineering report which included evaluations and recommendations regarding permanent cut and fill slopes, groundwater control, pavement design considerations, on-site soil suitability, vibration and settlement monitoring, pre and post construction survey, and exfiltration testing.		
b.	Barwick Rd. from Atlantic Ave. to Lake Ida, Delray Beach, FL	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for improvements along Barwick Road. The project included a shared use path with concrete pavement along with improvements on both sides of the roadway and a pipe culvert extension and new headwalls. Provided a geotechnical engineering report that included evaluations and recommendations regarding drainage extensions, permanent cut and fill slopes, excavations, groundwater control, pavement design considerations, on-site soil suitability, vibration and settlement monitoring and pre & post construction survey.		
c.	Lindell Blvd. from Linton Blvd. to West of CSX Tracks, Delray Beach, FL	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for the roadway improvements at Lindell Blvd. from Linton Blvd. to West of CSX Tracks. The project consisted of a shared used path. Provided a geotechnical engineering report which included evaluations and recommendations regarding permanent cut and fill slopes, excavations, groundwater control, pavement design, on-site soil suitability, vibration and settlement monitoring and pre & post construction survey.		
d.	Germantown Road from Old Germantown Rd to South of Congress Ave, Palm Beach County, FL	2022	N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Mr. Krishnasamy was the Principal-in-Charge of the Geotechnical Engineering Services for Germantown Road. The project included a shared use path for 1.43 miles with concrete pavement along with improvements on both sides of the roadway. Provided a geotechnical engineering report which included evaluations and recommendations regarding permanent cut and fill slopes, excavations, groundwater control, pavement design, on-site soil suitability, vibration and settlement monitoring and pre & post construction survey.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Kumar Vedula, PE	Senior Geotechnical Engineer	a. TOTAL 29	b. WITH CURRENT FIRM 20

15. FIRM NAME AND LOCATION (City and State)



Tierra South Florida, Inc.

West Palm Beach, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
MS / Geotechnical Engineering BS / Civil Engineering	FL / Professional Engineer, 54873

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)


American Society of Civil Engineers, Past President (Broward Branch)

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
Barwick Rd. from Atlantic Ave. to Lake Ida, Delray Beach, FL		2022	N/A
a.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Mr. Vedula was the Principal Engineer for Geotechnical Engineering Services for Barwick Road. The project included a shared use path with concrete pavement and improvements on both sides of the roadway, along with a pipe culvert extension and headwalls. Provided a geotechnical engineering report which included evaluations and recommendations regarding drainage extensions, permanent cut and fill slopes, excavations, groundwater control, pavement design considerations, on-site soil suitability, vibration and settlement monitoring and pre & post construction survey.</p>		
Swinton Ave from NE 4th Ave to SE 36 Ave, Delray Beach, FL		2021	N/A
b.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Mr. Vedula was the Principal Engineer of the Roadway Soil Services for Swinton Avenue from NE 4th Avenue to SE 36th Avenue. The project included roadway and utility improvements. The purpose of this study was to provide input to the design team to assist in the design and construction of the roadway improvements. Provided a geotechnical engineering report which included evaluations and recommendations regarding permanent cut and fill slopes, excavations, groundwater control, pavement design, on-site soil suitability, and monitoring existing structures.</p>		
Lowson Blvd Roadway Improvements from Dover Rd to US-1/ Federal Hwy, Miramar, FL		2019	N/A
c.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Mr. Vedula was the Principal Engineer for Geotechnical Engineering Services for the Lowson Blvd Roadway Improvements. The project consisted of two-lane roadways, sidewalk, and curb/gutter improvements. Provided a geotechnical engineering report which included evaluations and recommendations regarding permanent cut and fill slopes, groundwater control, pavement design, on-site soil suitability, vibration and settlement monitoring, pre and post construction survey, and exfiltration testing.</p>		
SR 806 / Atlantic Ave from SR 7 to Lyons Rd, Delray Beach, FL		2018	N/A
d.	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>Mr. Vedula was the Principal Engineer for the Geotechnical Engineering Services for SR 806/Atlantic Avenue. The project consisted of widening and reconstructing the existing Avenue and reconstructing the existing canal on the south side of SR 806. Provided a geotechnical engineering report which included evaluations and recommendations regarding organic soils, permanent cut and fill slopes, excavations, groundwater control, resilient modulus test results for pavement design and considerations, and on-site soil suitability.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)


12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Nadia G. Locke, PE, LEED AP	Environmental Lead	a. TOTAL 36	b. WITH CURRENT FIRM 22
15. FIRM NAME AND LOCATION (City and State)			
 Resource Environmental Solutions, LLC Ft. Lauderdale, FL			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
BS / Materials Science and Engineering		FL / Registered Professional Engineer, #58676, LEED AP Neighborhood Development, Certified FDEP Stormwater, Erosion, and Sedimentation Control Inspector #3263 & Instructor #130, OSHA 40 Hour HAZWOPER / 8 Hour Site Supervisor, PADI Advanced NAUI Open Water Diver	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a.	Miami River Greenway Curtis Park, Miami-Dade County, FL	PROFESSIONAL SERVICES Present	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ms. Locke is the project manager for the NEPA documentation for this LAP Project located along the Miami River from NW North River Drive from NW 24th Avenue to NW 22nd Avenue. As part of the review, RES prepared the environmental notes to be included in the constructability. The environmental review included evaluation of sociocultural effects, as well as impacts to natural resources, contamination and permitting requirements.		
	[X] Check if project performed with current firm		
b.	Avant Garde Sidewalk LAP Project, Broward County, FL	PROFESSIONAL SERVICES 2021	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE RES is responsible for leading the innovative urban stormwater retrofits and assisting in the adaptive design for the living shoreline / living seawall waterfront edge. The project site is an existing historically relevant 13-acre park along the Miami River (a 1,000 year Tequesta corpse was unearthed during the park's original construction) which experiences King Tide flooding and will be redeveloped as the premiere Miami adaptation park project to showcase innovative waterfront resiliency adaptations to climate change and sea level rise, and offer many opportunities for waterfront connection for citizens, ecological enhancement, and for innovative stormwater management such as green infrastructure practices which will filter the hyper-urban 100-acre watershed as it drains through the park to Miami River, an impaired waterway.		
	[X] Check if project performed with current firm		
c.	General Environmental Engineering Services, Broward County, FL	PROFESSIONAL SERVICES Present	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ms. Locke is the contract manager for this continuing services contract for general environmental engineering consulting services for the City of Fort Lauderdale. Services conducted include emergency response during construction of a fire station; Phase I and Phase II ESAs / opinion of post landfill closure costs; endangered species surveys; burrowing owl permitting and relocation; benthic (seagrass) surveys; and indoor air quality / asbestos surveys. Some services have been provided to assist in ensuring environmental compliance for LAP projects.		
	[X] Check if project performed with current firm		
d.	Environmental Review for LAP Project for Martin Luther King, Jr. Ave, Broward County, FL	PROFESSIONAL SERVICES 2014	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE Ms. Locke is the project manager for conducting an environmental screening memo for this FDOT-funded roadway improvement project for the City of Pompano Beach. This project is part of a roadway improvement for a corridor that extends beyond the City's boundaries and is known as the Education Corridor.		
	[X] Check if project performed with current firm		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Gayle L. Stone, MS	Contamination Lead	a. TOTAL 30	b. WITH CURRENT FIRM 12
15. FIRM NAME AND LOCATION (City and State)			
 Resource Environmental Solutions, LLC Ft. Lauderdale, FL			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
BS / Materials Science and Engineering		FL / Registered Professional Engineer, #58676, LEED AP Neighborhood Development, Certified FDEP Stormwater, Erosion, and Sedimentation Control Inspector #3263 & Instructor #130, OSHA 40 Hour HAZWOPER / 8 Hour Site Supervisor, PADI Advanced NAUI Open Water Diver	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS

#	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	Avant Garde Sidewalk LAP Project, Broward County, FL	2021	N/A
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm This is a sidewalk improvement project related to the Safe Routes to School program for the Avant Garde Academy in Hollywood, Florida. The project included the design and NEPA evaluation for completing the missing sections of concrete sidewalks along both sides of roads for a total of 13,225 linear feet in 26 different blocks within 0.71 miles of the school. RES' role on this project was to evaluate sociocultural, contamination, natural resources and other environmental resource project effects. The environmental document was a CatEx 2, with back up memos for each environmental resource. Ms. Stone was the senior scientist and provided coordination with the FDOT on the NEPA compliance documentation.		
	Bay Crossing Permitting for Beach Corridor Rapid Transit Project, Miami-Dade County, FL	2024	N/A
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm This project involves a new, elevated, rapid-transit connection from Miami to Miami Beach on the south side of MacArthur Causeway, called the Beach Corridor Bay Crossing. RES was tasked with acquiring environmental permits for construction of the Bay Crossing to advance this segment of the Beach Corridor. The Bay Crossing includes two bridges over federal channels and the USCG was identified as the lead federal permitting agency due to the bridge crossings. Ms. Stone prepared an Environmental Assessment to fulfill USCG NEPA requirements and submitted the Bridge Permit Application package to the USCG. In addition, Ms. Stone was a lead reviewer for the Environmental Permit Report that detailed impacts to seagrass, corals, threatened and endangered species, and EFH. Extensive coordination with permitting and commenting agencies was conducted, including NMFS and SFWMD, to determine mitigation for seagrass and coral impacts. Two seagrass mitigation plans, a coral relocation plan and a coral mitigation plan were developed. RES acquired a Conceptual Environmental Resource Permit from SFWMD and completed consultation for endangered species and EFH with NMFS. Ms. Stone also coordinated with USACE to gain Section 408 approval for crossings of federal channels.		
	South Olive Tennis Center HUD Environmental Assessment, Palm Beach County, FL	2019	N/A
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Ms. Stone performed an Environmental Assessment in accordance with the HUD environmental review process for this community facility in West Palm Beach. The project involved replacing an historical structure, known as the Maddock House, with a new structure adequate to meet the needs of the Tennis Center that operates out of South Olive Park. The structure is ineligible for listing in the National Register of Historic Places because it had been moved to the site from its original location. Ms. Stone coordinated with the City's Historic Preservation Office regarding the historical significance of the structure as balanced with the current needs of the community and completed that HUD Environmental Assessment NEPA Checklist and Statutory Worksheet for the project, which included an evaluation of land development factors, socioeconomic and cultural environment, and physical and natural features.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Kenneth Hardin	Cultural Assessment Lead	a. TOTAL 45	b. WITH CURRENT FIRM 45

15. FIRM NAME AND LOCATION (City and State)



Janus Research, Inc.

Tampa, FL

16. EDUCATION (Degree and Specialization)	17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)
MA / Cultural Resource Management BA / Psychology and South Asian Studies	

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Register of Professional Archaeologists, Florida Archaeological Council (President 1988 - 1990), Florida Trust for Historic Preservation (Trustee 2005 - 2011), American Cultural Resource Association (Founding member), Court Certified Expert Witness

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
a.	State Road (SR) 9/Interstate 95 (I-95) Project Development and Environment (PD&E) Study, Martin & St. Lucie Counties, FL	PROFESSIONAL SERVICES 2012	CONSTRUCTION (if applicable) N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>This Cultural Resource Assessment survey was conducted in compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966 (Public Law 89-655, as amended), as implemented by 36 CFR 800 (Protection of Historic Properties, effective January 2001) and the Part 2, Chapter 12 (Archaeological and Historic Resources) of the FDOT Project Development and Environment Manual. The objective of the survey was to identify and evaluate archaeological and historic resources within the Area of Potential Effect (APE) to and assess the cultural resources in terms of their eligibility for listing in the National Register of Historic Places (NRHP) according to the criteria set forth in 36 CFR Section 60.4. No National Register eligible resources were identified within the area of potential effect.</p>		
	b.	State Road (SR) 9/I-95 from Oakland Park Boulevard (SR 816) to south of Glades Road (SR 808), Broward & Palm Beach Counties, FL	PROFESSIONAL SERVICES 2013
<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>- The cultural resource assessment survey (CRAS) complies with Section 106 of the National Historic Preservation Act (NHPA) of 1966 (Public Law 89-655, as amended), as implemented by 36 CFR 800 (Protection of Historic Properties,), Part 2, Chapter 12 (Archaeological and Historic Resources) of the FDOT PD&E Manual. No newly or previously recorded archaeological sites were identified within the archaeological APE and a reconnaissance survey confirmed that much of the APE has been altered by berming and ditching and the construction of the roadway. The historic resources survey resulted in the identification of one historic railroad and six historic canals. Of these, the Florida East Coast (FEC) Railway and the Hillsborough Canal were evaluated as eligible for listing in the National Register of Historic Places (NRHP). A reconnaissance survey was also undertaken to identify any significant historic resources outside the APE. This resulted in the identification of one previously recorded NRHP-eligible resource, the Seaboard Air Line (CSX) Railroad. Because all improvements are being constructed within the existing FDOT ROW, no impacts to historic resources are anticipated.</p>			
c.		SR 9/I-95 PD&E STUDY from South of SR 870/Commercial Boulevard to North of Cypress Creek Road, Broward County, FL	PROFESSIONAL SERVICES 2018
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 173 historic resources. Only one historic resource, the Seaboard Air Line (CSX) Railroad (8BD4649), was considered eligible for inclusion in the National Register. All other historic resources located within the APE were considered individually ineligible for inclusion in the National Register. All the newly recorded historic buildings are representative of common post World War II constructed architecture that does not possess sufficient significance for individual listing in the National Register. Many of these buildings also exhibit exterior modifications that compromise historic integrity. The buildings are Masonry Vernacular in style, with few notable architectural features. FMSF forms were prepared for all newly documented historic resources.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
James Pepe	Chief Archaeologist	a. TOTAL 33	b. WITH CURRENT FIRM 23

15. FIRM NAME AND LOCATION (City and State)



Janus Research, Inc.

Tampa, FL

16. EDUCATION (Degree and Specialization)

MA / Anthropology

BA / English

17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)


Register of Professional Archaeologists, Florida Archaeological Council

19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
a.	State Road (SR) 9/Interstate 95 (I-95) Project Development and Environment (PD&E) Study, Martin & St. Lucie Counties, FL	2012	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>This Cultural Resource Assessment survey was conducted in compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966 (Public Law 89-655, as amended), as implemented by 36 CFR 800 (Protection of Historic Properties, effective January 2001) and the Part 2, Chapter 12 (Archaeological and Historic Resources) of the FDOT Project Development and Environment Manual. The objective of the survey was to identify and evaluate archaeological and historic resources within the Area of Potential Effect (APE) to and assess the cultural resources in terms of their eligibility for listing in the National Register of Historic Places (NRHP) according to the criteria set forth in 36 CFR Section 60.4. No National Register eligible resources were identified within the area of potential effect.</p>		
b.	State Road (SR) 9/I-95 from Oakland Park Boulevard (SR 816) to south of Glades Road (SR 808), Broward & Palm Beach Counties, FL	2013	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>The cultural resource assessment survey (CRAS) complies with Section 106 of the National Historic Preservation Act (NHPA) of 1966 (Public Law 89-655, as amended), as implemented by 36 CFR 800 (Protection of Historic Properties, Part 2, Chapter 12 (Archaeological and Historic Resources) of the FDOT PD&E Manual. No newly or previously recorded archaeological sites were identified within the archaeological APE and a reconnaissance survey confirmed that much of the APE has been altered by berming and ditching and the construction of the roadway. The historic resources survey resulted in the identification of one historic railroad and six historic canals. Of these, the Florida East Coast (FEC) Railway and the Hillsborough Canal were evaluated as eligible for listing in the National Register of Historic Places (NRHP). A reconnaissance survey was also undertaken to identify any significant historic resources outside the APE. This resulted in the identification of one previously recorded NRHP-eligible resource, the Seaboard Air Line (CSX) Railroad. Because all improvements are being constructed within the existing FDOT ROW, no impacts to historic resources are anticipated.</p>		
c.	SR 9/I-95 PD&E STUDY from South of SR 870/Commercial Boulevard to North of Cypress Creek Road, Broward County, FL	2018	N/A
	<p>(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm</p> <p>The Cultural Resources Assessment Survey (CRAS) for this project resulted in the identification of no newly or previously recorded archaeological sites and a total of 173 historic resources. Only one historic resource, the Seaboard Air Line (CSX) Railroad (8BD4649), was considered eligible for inclusion in the National Register. All other historic resources located within the APE were considered individually ineligible for inclusion in the National Register. All the newly recorded historic buildings are representative of common post World War II constructed architecture that does not possess sufficient significance for individual listing in the National Register. Many of these buildings also exhibit exterior modifications that compromise historic integrity. The buildings are Masonry Vernacular in style, with few notable architectural features. FMSF forms were prepared for all newly documented historic resources.</p>		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT


(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Todd Mohler, RLA, ISA, IA	Landscaping Analysis Lead	a. TOTAL 31	b. WITH CURRENT FIRM 9
15. FIRM NAME AND LOCATION (City and State)			
 KCI Technologies, Inc. Ft. Lauderdale, Inc.			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
BLA / Landscape Architecture		RLA FL / LA6667091	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Florida Department of Transportation, I-75 North of Pines Blvd to South of Griffin Road, Fort Lauderdale, FL	PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior Landscape Architect. The design concept Urban Swamp utilized a mostly native plant palette to enhance the aesthetic appearance of the corridor, which included a large interchange at Sheridan Street. The design also provided shade trees along sidewalks to improve the pedestrian experience. Mr. Mohler provided design services of an establishment irrigation system for this standalone landscape project.		
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	City of Coconut Creek, Cougar Trail, Coconut Creek, FL	PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior Landscape Architect. KCI provided Landscape Post Design Services and inspection for this streetscape, including new landscape and irrigation. This project was a streetscape and beautification project located in the City of Coconut Creek. The project included an arborists tree inventory and evaluation of existing trees within the right of way and along the canal bank. Mr. Mohler provided a tree inventory and evaluation, landscape and irrigation design, and utility coordination.		
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Florida Department of Transportation, SR 5/ US 1/ Overseas Highway from Cow Key Bridge to Boca Chica Bridge (Stock Island), Monroe County, FL	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior Landscape Architect. This project was a 2-mile landscape beautification along the Florida Keys Scenic Highway Corridor and gateway to Key West. The project improves the aesthetics of the corridor for drivers and tourists, and the many users of the adjacent Florida Keys Overseas Heritage Trail. The project restores the natural character and habitat of this unique region by eradicating invasive plant species and installing thousands of shrubs and hundreds of trees that are native to this area.		
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	City of Coconut Creek, Lyons Road, Coconut Creek, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Senior Landscape Architect. KCI developed the master plan for this seven-mile corridor enhancement project. This project included developing a unified landscape and hardscape treatment, gateway enhancements accenting major intersections, and realigning sidewalks. KCI also developed design and construction drawings for all phases of this project, which included median landscape, hardscape, and irrigation improvements. Mr. Mohler provided site analysis, streetscape design, and landscape and irrigation design for a two-mile roadway beautification project		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Kirk Hoosac, RLA	Senior Landscape Architect	a. TOTAL 20	b. WITH CURRENT FIRM 9
15. FIRM NAME AND LOCATION (City and State)			
 KCI Technologies, Inc. Ft. Lauderdale, Inc.			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
BLA / Landscape Architecture		RLA FL / LA6667091	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	SR 907/Alton Rd from 5th St to N Michigan Ave, Miami Beach, FL	PROFESSIONAL SERVICES 2017	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
	<p>[X] Check if project performed with current firm</p> <p>Project Manager. This 1.5-mile section of Alton Road is an active commercial corridor on Miami Beach; heavily traveled by locals and tourists either by foot, bicycle, or automobile. In addition to being a complete roadway reconstruction project, FDOT's scope also included highway beautification with landscape, hardscape, and irrigation plans. The landscape component of this complex \$35 million reconstruction project included expanded sidewalks, street trees with special tree covers, landscape and drip irrigation design, city and business coordination, and construction inspection. Mr. Hoosac provided project management for this one mile stretch of Alton Road, requiring coordinated efforts with FDOT District 6 and the City of Miami Beach including phased/modular design to allow seamless future retrofits by residents.</p>		
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	City of Coconut Creek, Cougar Trail, Coconut Creek, FL	PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
	<p>[X] Check if project performed with current firm</p> <p>KCI provided Landscape Post Design Services and inspection for this streetscape including new landscape and irrigation. This project was a streetscape and beautification project located in the City of Coconut Creek. The project included an arborists tree inventory and evaluation of existing trees within the right of way and along the canal bank. Mr. Hoosac served as project manager for this streetscape and beautification project located in the City of Coconut Creek. The project included tree inventory and evaluation, landscape and irrigation design and utility coordination.</p>		
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Florida Department of Transportation, SR 5/ US 1/ Overseas Highway from Cow Key Bridge to Boca Chica Bridge (Stock Island), Monroe County, FL	PROFESSIONAL SERVICES 2020	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
	<p>[X] Check if project performed with current firm</p> <p>Project Manager. This project was a 2-mile landscape beautification along the Florida Keys Scenic Highway Corridor and gateway to Key West. The project improves the aesthetics of the corridor for drivers and tourists, and the many users of the adjacent Florida Keys Overseas Heritage Trail. The project restores the natural character and habitat of this unique region by eradicating invasive plant species and installing thousands of shrubs and hundreds of trees that are native to this area.</p>		
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Florida Department of Transportation, US-1, Key Largo and Tavernier, MM97 to MM99, Monroe County, FL	PROFESSIONAL SERVICES 2015	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		
	<p>[X] Check if project performed with current firm</p> <p>Project Manager. KCI provided billboard coordination, tree inventory, landscape design, and field inspection. This project is a beautification of a 2.5-mile section of the upper Keys main business district through Key Largo, adjacent to the Florida Keys Overseas Heritage Trail.</p>		

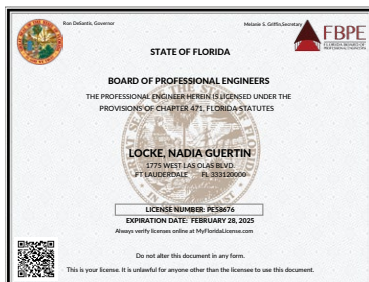
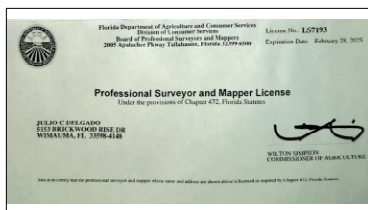
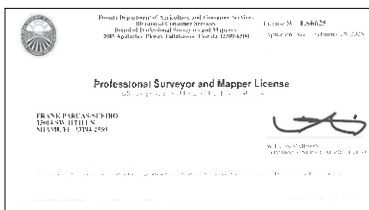
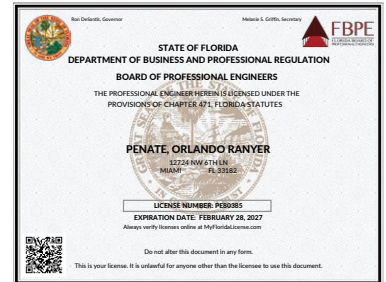
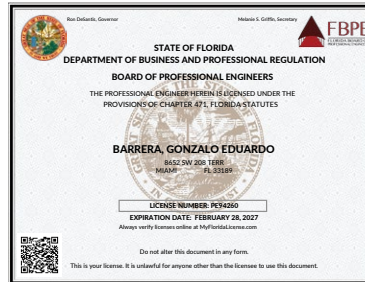
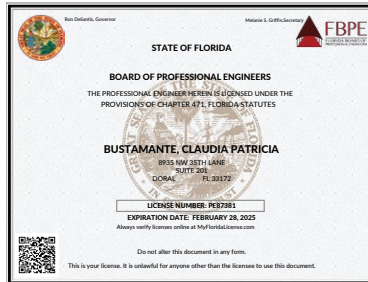
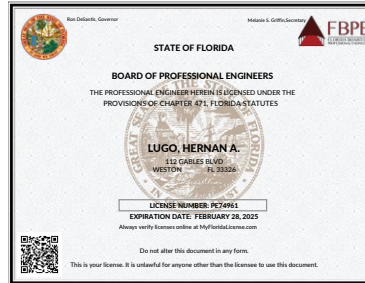
E. RESUMES OF KEY PERSONNEL PROPOSED FOR THE CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS PROJECT	14. YEARS EXPERIENCE	
Paulette Summers	Public Involvement & Communication Lead	a. TOTAL 26	b. WITH CURRENT FIRM 13
15. FIRM NAME AND LOCATION (City and State)			
Media Relations Group, Inc. Media Relations Group, LLC Palmetto Bay, FL			
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)	
Bachelor of Administration, Major: International Business, Minor: Marketing and Management			
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Melrose Manors and Riverland Neighborhood Stormwater Improvements, Broward County, FL	PROFESSIONAL SERVICES Present	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Mrs. Summers provided public involvement support as part of the outreach efforts related to this stormwater improvement project, where the City of Fort Lauderdale is in the process of designing drainage infrastructure for the Melrose Manors and Riverland Civic Associations to significantly reduce the duration and intensity of flooding events within these communities. During a June 2023 public meeting, she assisted the project team with greeting members of the associations, City Staff and agency officials, as well as the dissemination of project materials.		
b.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	FDOT District 6 Key West (North Roosevelt Blvd) PHB (formerly known as HAWK) Beacon Educational Campaign Initiative (Construction Phase), Monroe County, FL	PROFESSIONAL SERVICES 2019	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm MRG was contracted to assist FDOT District Six in its efforts to inform the public of the Key West PHB Beacons. Five PHBs were installed and activated at the existing mid-block crossings along North Roosevelt Boulevard. MRG lead staff was responsible for educating drivers, pedestrians and cyclists on how to effectively use the PHB with the distributing of flyers. The educational outreach efforts conducted were to ensure that all users are well-informed about the benefits of these devices as well as how they work.		
c.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	FDOT District 6 North Roosevelt PHB (formerly known as HAWK) City-Wide Design Project, Monroe County, FL	PROFESSIONAL SERVICES 2018	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm Mrs. Summers was the Lead Community Outreach Specialist responsible for all the public involvement efforts related to this city-wide contract, which ran along US1/North Roosevelt Boulevard, a main artery in the City of Key West. She worked closely with the FDOT assigned Project Manager, District Six, Communications Manager, and Infinite Source Communications Manager, to ensure that stringent deadlines were met, with this fast-tracked project.		
d.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Broward MPO Quick Build Program – Complete Streets Initiative, City or County, State	PROFESSIONAL SERVICES Present	CONSTRUCTION (if applicable) N/A
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE [X] Check if project performed with current firm MRG provides professional technical services in support of developing the Broward MPO's inaugural Tactical Urbanism/Quick Build Program.		

Personnel Relevant Licenses



5.E Commitment to Accessibility and Availability

HBC is fully committed to maintaining high accessibility and availability throughout the Barwick Road Improvement Project, with **HBC and its subconsultants over 70% available for this contract. Adebayo Coker, PE**, our Project Manager, will ensure timely and responsive communication with City staff, stakeholders, and project partners.

HBC's **Boca Raton office (123 NW 13th Street, Suite 308, Boca Raton, FL 33432)** will serve as our primary meeting location, ensuring convenient in-person coordination. Our team is also prepared for on-site visits, virtual meetings, and immediate consultations as needed for seamless project oversight.

With proactive management, structured coordination, and continuous engagement, HBC guarantees efficient handling of all project requirements, deadlines, and communications, ensuring successful project delivery.



5.F HBC Team Awards and Recognitions

American Association of Civil Engineers (ASCE)

2023 Awards & Board Installation Dinner
Certificate of Appreciation 2023 - Silver
Sponsor of the ASCE

2022 Awards & Board Installation Dinner
Certificate of Appreciation 2022 - Silver
Sponsor of the ASCE

2024 Engineer of the Year Award - Claudia
Bustamante

Cuban American Association of Civil Engineers (CAACE)

2021 Project of the Year Category III Award
for the Miami-Dade County Water and
Sewer Department (MDC-WASD) Central
District Wastewater Treatment Plant
(CDWWTP) Oxygen Production Facility

Florida Department of Transportation (FDOT)

2006 Special Achievement Award

2005 Highway Engineering Award

2004 Team Achievement Award - Biscayne
Boulevard III

Intelligent Transportation Society of Florida

2024 Outstanding Achievement Award -
Daniel Rodriguez

The Miami-Dade County Office of the Mayor and Board of County Commissioners

2019 Certificate of Appreciation - Platinum
Sponsor of the 6th Annual District 1 Black
Heritage Festival

2020 Certificate of Appreciation - Bronze
Sponsor of the 7th Annual District 1 Black
Heritage Festival

The Nigerian Women Association of Georgia (NWAG)

2023 Sponsor Award

6. Organizational Structure & Capacity



The requested information for this section can be found in the following pages. SF 330, Section C for the team proposed to work on this City project is located on **page 56**. SF 330, Section D detailing the organizational chart of the proposed team is located on **page 57**. SF 330, Part II detailing the team's staffing resources and the location(s) at which services will be provided is located on **page 58**. A narrative detailing the team's recent, current, and projected workloads, along with a statement of the team's commitment of personnel and other resources for the City project, is located on **page 65**.

ARCHITECT - ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION (City and State)

Professional Engineering design Services for Barwick Road from Lake Ida Road to L-30 Canal (City Limits) / Delray Beach, FL

2. PUBLIC NOTICE DATE

January 3, 2025

3. SOLICITATION OR PROJECT NUMBER

2025-020

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Adebayo Coker, PE

5. NAME OF FIRM

HBC Engineering Company

6. TELEPHONE NUMBER

(305) 232-7932

7. FAX NUMBER

(305) 232-7933

8. EMAIL ADDRESS

proposals@hbcengineeringco.com

C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUBCON-TRACTOR			
a.	X			HBC Engineering Company [X] CHECK IF BRANCH OFFICE	123 NW 13th Street, Suite 308 Boca Raton, FL 33432	Roadway, lighting/electrical, drainage, traffic, structural engineering, utility coord., Cost estimation, public involvement, permitting, and LAP certification
b.			X	GPI Geospatial, Inc. [X] CHECK IF BRANCH OFFICE	8935 NW 35th Ln Suite 100 Doral, FL 33172	Design, Right of Way, and Construction Surveying/SUE
c.			X	Janus Research, Inc. [] CHECK IF BRANCH OFFICE	1107 N Ward St Tampa, FL 33607	Cultural Assessment
d.			X	KCI Technologies, Inc. [X] CHECK IF BRANCH OFFICE	1425 W Cypress Creek Rd Fort Lauderdale, FL 33309	Landscaping Analysis
e.			X	Media Relations Group, Inc. [] CHECK IF BRANCH OFFICE	14707 S Dixie Hwy Suite 404 Palmetto Bay, FL 33176	Public Involvement and Communication
f.			X	Resources Environmental Solutions, LLC [X] CHECK IF BRANCH OFFICE	312 SE 17th Street, Suite 200 Fort Lauderdale, FL 33316	Environmental Engineering and Contamination
g.			X	Tierra South Florida, Inc. [] CHECK IF BRANCH OFFICE	2765 Vista Parkway, Suite 10 West Palm Beach, FL 33411	Soil Exploration and Geotechnical Engineering

D. ORGANIZATIONAL CHART OF PROPOSED TEAM

[X] (Attached)

6.B ORGANIZATIONAL CHART

RFQ No.: 2025-020 Professional Engineering Design Services
Barwick Rd from Lake Ida Rd to L-30 Canal (City Limits)
Project No. 25-002 / FDOT Lap Project No. 450793-1-58-01

Project Team

HBC .. HBC Engineering Company (**DBE, MBE**)
GPI GPI Geospatial, Inc.
JAN Janus Research, Inc.
KCI KCI Technologies, Inc.
MRG ... Media Relations Group, LLC (**DBE, MBE**)
RES Resource Environmental Solutions, LLC
TSF Tierra South Florida, Inc. (**DBE**)



Legend

..... Years of Experience
#% Availability



Principal-In-Charge

Fernando Craveiro de Sa, PhD | 47 | 75% | **HBC**



QA/QC Manager

Edgardo Diaz, MS, PE, PSM | 33 | 70% | **HBC**



Project Manager

Adebayo Coker, PE | 33 | 90% | **HBC**



Constructability Review

Michael Schawe, IMSA I | 51 | 70% | **HBC**



Permitting Specialist

Hernan Lugo, MS, PE, CFM | 27 | 70% | **HBC**



LAP Certification Specialist

Christopher Soto, PE, RSO | 13 | 70% | **HBC**

Roadway Design

Jose A. Lopez, PE | 20 | 70% | **HBC**
David Coker, EI, IMSA I | 7 | 90% | **HBC**
Osmin Ocon, EI | 3 | 100% | **HBC**
Derrek Okosun, EI | 6 | 90% | **HBC**
Alexander Tzenkov | 5 | 100% | **HBC**

Signing, Pavement Marking & Channelization

Claudia Bustamante, MS, PE | 20 | 70% | **HBC**
Gonzalo Barrera, PE | 7 | 100% | **HBC**
Ynaja Juste, EI | 9 | 90% | **HBC**

Lighting/Electrical Engineering

Orlando Penate, PE, IMSA III | 18 | 70% | **HBC**
Maikel Fiallo Nunez, PE | 24 | 85% | **HBC**
Javier Gil | 6 | 85% | **HBC**

Signalization

Jose A. Lopez, PE | 20 | 70% | **HBC**
Gonzalo Barrera, PE | 7 | 100% | **HBC**
Osmin Ocon, EI | 3 | 100% | **HBC**

Design, Right of Way, and Construction Surveying/SUE

Frank Paruas, PSM | 24 | 70% | **GPI**
Julio Delgado, PSM | 26 | 85% | **GPI**

Soil Exploration and Geotechnical Engineering

Raj Krishnasamy, PE | 37 | 70% | **TSF**
Kumar Vedula, PE | 29 | 75% | **TSF**

Drainage Design, and Stormwater Analysis & Modeling

Hernan Lugo, MS, PE, CFM | 24 | 70% | **HBC**
Gary Cox, EI | 10 | 85% | **HBC**
Alejandra Mendoza-Diaz, EI | 3 | 85% | **HBC**

Traffic Operation and Safety Study

Moatz Saad, PhD, PE*, PTOE | 12 | 70% | **HBC**
Jeremy Braithwaite, IMSA II | 8 | 85% | **HBC**
Gabriel A. Evilla Cano, MS | 2 | 85% | **HBC**

Utility Coordination

Sonny Abia, PhD, PE | 35 | 75% | **HBC**
Terrence Sansaricq | 27 | 95% | **HBC**

Cost Estimating

Daniel Rivera, MS | 13 | 85% | **HBC**

Structural Engineering

Sonny Abia, PhD, PE | 38 | 75% | **HBC**
Sreelatha Nandivada, MS, PE* | 15 | 90% | **HBC**
Aneuris Hernandez, MS, EI | 21 | 90% | **HBC**

Environmental Engineering and Contamination

Nadia G. Locke, PE, LEED AP | 36 | 70% | **RES**
Gayle L. Stone, MS | 30 | 70% | **RES**

Cultural Assessment

Kenneth Hardin, MA | 45 | 70% | **JAN**
James Pepe, MA | 33 | 70% | **JAN**

Landscaping Analysis

Todd Mohler, RLA, ISA, IA | 31 | 70% | **KCI**
Kirk Hoosac, RLA | 20 | 70% | **KCI**

Public Involvement and Communication

Paulette Summers | 26 | 85% | **MRG**
Melannie Gomez | 6 | 85% | **HBC**

*Out of state PE license



ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (if any)

2025-020

PART II - GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work)

2a. FIRM (or Branch Office) NAME			3. YEARS ESTABLISHED	4. UNIQUE ENTITY IDENTIFIER
HBC Engineering Company			2006	801830535
2b. STREET			5. OWNERSHIP	
123 NW 13 St. #308 Boca Racon, FL 33432			a. TYPE	
2c. CITY	2d. STATE	2e. ZIP CODE	Corporation	
Maitland	FL	32751	b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE			Active CBE, DBE, LDB, MBE, & SBE	
Adebayo Coker, PE / Project Manager			7c. NAME OF THE FIRM (If Block 2a is a Branch Office)	
6b. TELEPHONE NUMBER	6c. E-MAIL ADDRESS		HBC Engineering Company	
(305) 232-7932	proposals@hbcengineeringco.com			
8a. FORMER FIRM NAME(S) (if any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER
N/A			N/A	N/A

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	6		C15	Construction Management	4
08	CADD Technician	14	3	C18	Cost Estimating	4
12	Civil Engineer	9	1	D04	Design-Build - Preparation of RFP	5
15	Construction Inspector	15	3	E03	Electrical Studies and Design	1
16	Construction Manager	3	1	G06	Graphic Design	1
18	Cost Estimator	1		I04	Intelligent Transportation Systems	3
21	Electrical Engineer	3	1	I06	Drainage	3
30	Geologist	2		L06	Lighting (Streets)	4
48	Project Manager	6	1	P06	Planning (Site/Installation/Project)	3
57	Structural Engineer	3	1	T03	Traffic/Transportation Engineering	4
60	Transportation Engineer	4	3	W02	Water Resources; Ground Water	5
62	Water Resource Engineer	4	1	W03	Water Supply; Treatment and Dist.	5
	Other Employees					
	TOTAL	70	15			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	1	1. Less than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	6	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	6	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts

a. SIGNATURE	b. DATE
	1/1/2025
c. NAME AND TITLE	
Adebayo Coker, PE, President	

1. SOLICITATION NUMBER (If any)

2025-020

PART II – GENERAL QUALIFICATIONS


(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (or Branch Office) NAME			3. YEAR ESTABLISHED	4. UNIQUE ENTITY IDENTIFIER
GPI Geospatial, Inc.			1973	JXSVBXARKAP8
2b. STREET			5. OWNERSHIP	
3051 E. Livingston Street, Suite 300			a. TYPE Corporation	
2c. CITY	2d. STATE	2e. ZIP CODE	b. SMALL BUSINESS STATUS	
Orlando	FL	32803	None	
6a. POINT OF CONTACT NAME AND TITLE			7. NAME OF FIRM (If Block 2a is a Branch Office)	
Paul A. Badr, CP, PLS, PPS, SP – President			Greenman-Pedersen, Inc.	
6b. TELEPHONE NUMBER	6c. E-MAIL ADDRESS			
407-851-7880	pbadr@gpinet.com			
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
02	Administrative	8	8	02	Aerial Photogrammetry	7
	Aerial Photographer/Pilot	10	10	102	Surveying	6
08	CADD Specialist	16	16	245	Photogrammetry	6
	Computer Specialist	2	2	273	CADD Design and Drafting	5
29	GIS Specialist	5	5	279	Remote Sensing	6
	Photogrammetrist/Lab.	23	23	301	GIS	5
	Surveyor	60	60			
58	Technician/Analyst	8	8			
	Other Employees	4	4			
Total		136	136			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
		1. Less than \$100,000.	6. \$2 million to less than \$5 million
		2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
a. Federal Work	4	\$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
b. Non-Federal Work	8	\$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
c. Total Work	8	\$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

a. SIGNATURE	b. DATE
	1/7/2025
c. NAME AND TITLE	
Paul A. Badr, CP, PLS, PPS, SP – President	

ARCHITECT - ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER (If any)

RFQ 2025-020

PART II – GENERAL QUALIFICATIONS *(If a firm has branch offices, complete for each specific branch office seeking work.)*

2a. FIRM (OR BRANCH OFFICE) NAME			3. YEAR ESTABLISHED	4. UNIQUE ENTITY IDENTIFIER
KCI Technologies, Inc.			1988	PEVANTR72KU1
2b. STREET			5. OWNERSHIP	
1425 West Cypress Creek Road, Suite 101			a. TYPE	
2c. CITY	2d. STATE	2e. ZIP CODE	Corporation	
Fort Lauderdale	FL	33309	b. SMALL BUSINESS STATUS	
6a. POINT OF CONTACT NAME AND TITLE			No	
Bruce Reed, RLA Vice President			7. NAME OF FIRM (If block 2a is a branch office)	
6b. TELEPHONE NUMBER	6c. E-MAIL ADDRESS		KCI Technologies, Inc.	
954.839.6701	bruce.reed@kci.com			
8a. FORMER FIRM NAME(S) (If any)			8b. YEAR ESTABLISHED	8c. UNIQUE ENTITY IDENTIFIER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM (2) BRANCH	
02	Administrative	136	3
12	Civil Engineer	90	3
15	Construction Inspector	390	4
16	Construction Manager	126	1
38	Land Surveyor	142	10
39	Landscape Architect	18	10
65	Technical Support Staff	123	4
60	Transportation Engineer	190	10
	Other Employees	1,150	
	Total	2,365	46

10. PROFILE OF FIRM'S EXPERIENCE

AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
B02	Bridges	8
C07	Coastal Engineering	5
C10	Commercial Buildings; Shopping Centers	5
C12	Communications Systems; TV; Microwave	8
C15	Construction Management	10
E09	EIS, Assessments or Statements	6
E13	Environmental Testing and Analysis	5
F05	Forensics Engineering	5
G04	GIS; Development, Analysis, Data Collection	7
H07	Highways; Streets; Airfield Paving; Parking Lots	9
H11	Housing; Residential, Condos	6
L02	Land Surveying	8
L03	Landscape Architecture	6
P05	Planning (Community; Regional; Areawide)	4
P12	Power Generation, Transmission, Distribution	9
R03	Railroad; Rapid Transit	5
S09	Structural Design; Special Structures	6
S13	Stormwater Handling & Facilities	5
T03	Traffic & Transportation Engineering	8
U03	Utilities (Gas & Steam)	8
W02	Water Resources; Hydrology; Ground Water	5
W03	Water Supply; Treatment and Distribution	8

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)


a. Federal Work	6
b. Non-Federal Work	10
c. Total Work	10

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

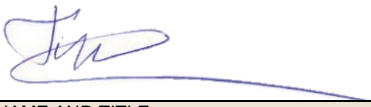
1. Less than \$100,000
2. \$100,000 to less than \$250,000
3. \$250,000 to less than \$500,000
4. \$500,000 to less than \$1 million
5. \$1 million to less than \$2 million
6. \$2 million to less than \$5 million
7. \$5 million to less than \$10 million
8. \$10 million to less than \$25 million
9. \$25 million to less than \$50 million
10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 2/17/2025
c. NAME AND TITLE Bruce Reed Vice President	

ARCHITECT-ENGINEER QUALIFICATIONS						1. SOLICITATION NUMBER (if any)	
2025-020							
PART II - GENERAL QUALIFICATIONS <i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>							
2a. FIRM (or Branch Office) NAME Media Relations Group, LLC				3. YEAR ESTABLISHED 1999		4. UNIQUE ENTITY IDENTIFIER	
2b. STREET 14707 S. Dixie Hwy, 404				5. OWNERSHIP			
2c. CITY Palmetto Bay				2d. STATE FL		2e. ZIP CODE 33175	
6a. POINT OF CONTACT NAME AND TITLE Alicia Gonzalez				a. TYPE Limited Liability Corporation			
6b. TELEPHONE NUMBER 786.280.6645				6c. EMAIL ADDRESS agonzalez@mrgmiami.com			
8a. FORMER FIRM NAME(S) (If any)				8b. YEAR ESTABLISHED		8c. UNIQUE ENTITY IDENTIFIER	
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS			
A. FUNCTION CODE	B. DISCIPLINE	C. NUMBER OF EMPLOYEES		A. PROFILE CODE	B. EXPERIENCE	C. REVENUE INDEX NUMBER (SEE BELOW)	
		(1) FIRM	(2) BRANCH				
N/A	Public Involvement	19		N/A	Public Involvement	6	
	Total						
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(Insert revenue index number shown at right)</i>		PROFESSIONAL SERVICES REVENUE INDEX NUMBER					
a. Federal Work	N/A	1. Less Than \$100,000			6. \$2 million to less than \$5 million		
b. Non-Federal Work	6	2. \$100,000 to less than \$250,000			7. \$5 million to less than \$10 million		
c. Total Work	6	3. \$250,000 to less than \$500,000			8. \$10 million to less than \$25 million		
		4. \$500,000 to less than \$1 million			9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million			10. \$50 million or greater		
12. AUTHORIZED REPRESENTATIVE <i>The foregoing is a statement of facts.</i>							
a. SIGNATURE 				b. DATE February 17, 2025			
c. NAME AND TITLE Alicia Gonzalez, President							

ARCHITECT-ENGINEER QUALIFICATIONS					1. SOLICITATION NUMBER (If any) 2025-020	
PART II - GENERAL QUALIFICATIONS (If a firm has branch offices, complete for each specific branch office seeking work.)						
2a. FIRM (or Branch Office) NAME RES Florida Consulting, LLC				3. YEAR ESTABLISHED 2000		4. UNIQUE ENTITY IDENTIFIER SMPDJA2PXD2
2b. STREET 312 SE 17th Street, Suite 200				5. OWNERSHIP		
2c. CITY Fort Lauderdale		2d. STATE FL	2e. ZIP CODE 33316	a. TYPE LLC		
6a. POINT OF CONTACT NAME AND TITLE Nadia Locke, PE, LEED AP, Senior Engineer				b. SMALL BUSINESS STATUS N/A		
6b. TELEPHONE NUMBER 407.481.9006		6c. EMAIL ADDRESS nlocke@res.us		7. NAME OF FIRM (If Block 2a is a Branch Office) RES		
8a. FORMER FIRM NAME(S) (If any) E Sciences, Incorporated				8b. YEAR ESTABLISHED 2000		8c. UNIQUE ENTITY IDENTIFIER SMPDJA2PXD2
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	161	7	C18	Cost Estimating	2
08	CADD Technician	12	0	C14	Conservation / Restoration Management	9
12	Civil Engineer	8	6	E01	Ecological/Archeological Investigations	6
16	Construction Manager	26	0	E09	Environmental Impact Studies/Assessments or Statements	7
18	Cost Engineer / Estimator	9	0	E10	Environmental and Natural Resource Mapping	5
19	Ecologist	74	7	E11	Environmental Planning	5
23	Environmental Engineer	19	11	E12	Environmental Remediation	9
24	Environmental Scientist	41	32	E13	Environmental Testing and Analysis	1
29	GIS Specialist	23	2	G04	GIS Development/Analysis	3
30	Geologist	2	2	H07	Highways, Streets, Airfield Paving, Parking Lots	3
38	Land Surveyor	8	0	H11	Housing (Residential, Multi-Family)	1
39	Landscape Architect	9	0	I03	Industrial Waste Treatment	1
48	Project Manager	60	5	M06	Mining and Mineralogy	1
58	Technicians/Interns	74	4	U02	Urban Renewal; Community Development	1
53	Scheduler	1	1	S05	Soils & Geologic Studies, Foundations	1
	Other Employees	394	3	S13	Storm Water Handling & Facilities	5
Total		921	80	W02	Water Resources, Hydrology, Groundwater	5
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER				
a. Federal Work	6	1. Less Than \$100,000		6. \$2 million to less than \$5 million		
b. Non-Federal Work	10	2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million		
c. Total Work	10	3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million		
		4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million		10. \$50 million or greater		
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.						
a. SIGNATURE 					b. DATE December 8, 2024	
c. NAME AND TITLE Justin Freedman, General Manager						

ARCHITECT-ENGINEER QUALIFICATIONS				1. SOLICITATION NUMBER (if any) 2025-020		
PART II - GENERAL QUALIFICATIONS (If a firm has branch offices, complete for each specific branch office seeking work.)						
2a. FIRM (or Branch Office) NAME Tierra South Florida, Inc. (TSFGeo)			3. YEAR ESTABLISHED 2003	4. UNIQUE ENTITY IDENTIFIER YXJCLPM6WJ84		
2b. STREET 2765 Vista Parkway, Suite 10			5. OWNERSHIP			
2c. CITY West Palm Beach		2d. STATE FL	2e. ZIP CODE 33411		a. TYPE Corporation	
6a. POINT OF CONTACT NAME AND TITLE Raj Krishnasamy, P.E., President / Principal Engineer			b. SMALL BUSINESS STATUS DBE – FDOT UCP SBE – Pinellas County and SFWMD			
6b. TELEPHONE NUMBER 561-687-8536		6c. EMAIL ADDRESS raj@tsfgeo.com		7. NAME OF FIRM (If Block 2a is a Branch Office) N/A		
8a. FORMER FIRM NAME(S) (If any) N/A			8b. YEAR ESTABLISHED N/A	8c. UNIQUE ENTITY IDENTIFIER N/A		
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
A. FUNCTION CODE	B. DISCIPLINE	C. NUMBER OF EMPLOYEES		A. PROFILE CODE	B. EXPERIENCE	C. REVENUE INDEX NUMBER (SEE BELOW)
		(1) FIRM	(2) BRANCH			
2	Administrative	6	6	S05	Soils and Geologic Studies; Foundations	6
8	CADD Technician	2	2	T02	Testing and Inspection Services	6
27	Foundation/Geotechnical Eng	7	7			
58	Technician/Analyst	27	27			
15	Construction Inspector	5	5			
16	Construction Manager	2	2			
Total						
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER				
a. Federal Work	6	1. Less Than \$100,000		6. \$2 million to less than \$5 million		
b. Non-Federal Work	6	2. \$100,000 to less than \$250,000		7. \$5 million to less than \$10 million		
c. Total Work	7	3. \$250,000 to less than \$500,000		8. \$10 million to less than \$25 million		
		4. \$500,000 to less than \$1 million		9. \$25 million to less than \$50 million		
		5. \$1 million to less than \$2 million		10. \$50 million or greater		
12. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.						
a. SIGNATURE 			b. DATE 2/17/2025			
c. NAME AND TITLE Raj Krishnasamy, P.E., President / Principal Engineer						

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6.D Proposer Team's Workload

HBC and its subconsultants have the capacity and resources to successfully deliver the Barwick Road Improvement Project while maintaining commitments to ongoing projects.

With over 80 professionals committed to this contract, our team, led by **Adebayo Coker, PE**, is fully available and ready to begin work upon award.

We actively monitor workloads through structured project management, ensuring efficient resource allocation and adherence to schedules. Our proven experience with LAP-funded and municipal infrastructure projects demonstrates our ability to meet deadlines and deliver high-quality results.

HBC and its subconsultants remain fully committed to providing responsive, efficient, and effective engineering solutions for the City of Delray Beach, ensuring timely project completion with dedicated personnel and resources.

7. Methodology & Work Plan

7.A Approach & Methodology for Engaging with City Representatives While Performing the Civil Engineering Design

We understand that effective coordination with the City of Delray Beach, subconsultants, external agencies, and stakeholders is crucial for the success of the projects assigned under this contract. **Our approach includes the following strategies:**

Coordination with City of Delray Beach: All communication from the city will be directed through **HBC Project Manager (PM) (Adebayo Coker, PE)**, who will be responsible for disseminating information to the appropriate team members and subconsultants. In line with our internal design meetings, we recommend holding monthly progress meetings with the city to provide an overview of upcoming design activities, address any issues, and ensure alignment with the city's expectations. These meetings will include detailed updates on schedule, budget, and technical progress. We anticipate that all design activities will be conducted under the oversight of the City and FDOT. Adebayo will provide the city-designated Project Manager with our design schedule, outlining the submittal dates for all deliverables. This approach enables the city to allocate the necessary resources for conducting design reviews. Additionally, Adebayo will prepare monthly progress reports documenting the status of the projects, which will also serve to support HBC's monthly progress invoices.

Communication Protocols: Clear communication protocols will be established at the project kickoff, including designated points of contact, communication channels, and response times. We will utilize collaborative project management software, such as Microsoft Teams, to facilitate real-time communication and document sharing.

Coordination with Subconsultants: The firms comprising our Team have a proven track record of successfully delivering projects where effective collaboration was crucial to the project's success. Two notable examples are the 1-mile full reconstruction of **NE 2nd Avenue from NE 20th Street to SR 25/NW 36 Street** and **NW 84th Avenue from NW 58th Street to NW 74th Street**. On these two projects, HBC led a team of subconsultants to develop and submit 100% plans for both projects simultaneously, achieving the undertaking within a design accelerated schedule of less than 18 months. Each subconsultant will be integrated into the project team from the outset, with clear definitions of their roles and responsibilities. The HBC Project Manager will oversee subconsultant performance, ensuring that deliverables meet the required standards and are delivered on time. Our Team will

conduct biweekly design coordination meetings to review ongoing design decisions, plan upcoming activities, and address any schedule-related issues. These meetings will be held at HBC's office and will be led by Adebayo, who will meticulously document all design decisions in detailed meeting minutes. Our Team will deliver this project by adhering to FDOT's processes and procedures as a foundational framework, which will be tailored to meet the City of Delray Beach's specific requirements.



To illustrate our approach in practice, the **Hollywood Gardens Sidewalk Complete Street Project** is a prime example of HBC's capabilities.

For this Broward County MPO Complete Streets initiative, HBC provided comprehensive design services to enhance multimodal connectivity for pedestrians and cyclists in the Hollywood Gardens Beach area, known as the Hollywood Big X. HBC served as the Engineer of Record, handling critical aspects such as utility coordination, drainage report preparation, sidewalk harmonization, parking layout, lighting upgrades, and landscape adjustments. We also oversaw the design and construction of new sidewalks, designated bike lanes, and shared-lane facilities to create a safe, accessible corridor.

Key project elements included the development of construction documents, a detailed SWPPP (Stormwater Pollution Prevention Plan), and Temporary Traffic Control Plans, all designed to meet FDOT standards. Throughout the project, HBC addressed public concerns and design challenges, such as coordinating with property owners on ROW encroachments and managing utility conflicts. This project reflects HBC's commitment to delivering high-quality, client-centered solutions prioritizing safety, accessibility, and community needs.



Coordination with External Agencies/Stakeholders: In addition to supporting the city with public outreach campaign, we understand the importance of gaining consensus from agencies with jurisdiction over the project. We recognize that public perception and community support are essential to the success of any infrastructure project. Our Team will support the city's community outreach plan, including public meetings, informational sessions, and regular updates through various media channels. **Issue Resolution:** Our Team will be prepared to address any concerns or issues raised by stakeholders promptly. We will establish a formal issue resolution process, ensuring that all concerns are documented, addressed, and resolved in a manner that is satisfactory to all parties involved. **Agency Coordination:** We will engage early

and continuously with relevant agencies to ensure that all regulatory requirements are met. This proactive approach will help mitigate potential delays related to permitting and approvals.

7.B Proposer's Approach to the Civil Engineering Design of FDOT LAP Projects

Ability to Perform FDOT Lap Work



The HBC Team is uniquely qualified to perform the work required for the **Barwick Road Project** due to our comprehensive technical expertise, resource capacity, and proven track record in successful project delivery. Our firm possesses the technical infrastructure, skilled personnel, and project management tools necessary to execute complex transportation projects effectively. We have consistently demonstrated our ability to meet project timelines, adhere to budget constraints, and comply with all regulatory standards, including FDOT

LAP requirements. Our team has recently completed similar LAP projects for FDOT and Broward County and is prepared to undertake this important project. Additionally, our established partnerships with sub-consultants further enhance our capability to deliver quality outcomes within the defined scope, schedule, and budget, ensuring that all project goals are met to the highest standards. **With hundreds of employees in Florida and over 80 professionals ready to work on this project, we are well-equipped to ensure its success.**

HBC employs a robust local workforce of over **70 professionals**, including **19 licensed Professional Engineers**, strategically positioned across various specialized departments. This organizational structure underscores HBC's significant and diverse engineering expertise, particularly in the transportation infrastructure sector of South Florida. All HBC's resources are available locally, providing the flexibility to respond to assignments.

Our firm has successfully executed numerous projects under the Florida Department of Transportation's Local Agency Program (FDOT LAP). The City of Delray Beach will benefit from the expertise of our proposed team, which has designed, managed, and served as the Engineer of Record (EOR) on multiple projects with a scope of work similar to the one expected in this contract.

Experience Providing Similar Services

HBC has extensive experience managing Local Agency Program (LAP) projects and successfully delivering a wide range of municipal roadway projects, including Complete Streets initiatives, arterial corridor enhancements, and multimodal transportation projects across South Florida. We consistently demonstrate our expertise in providing infrastructure solutions that align with community needs and comply with regulatory standards. Three relevant projects that showcase our capabilities: **1) Hollywood Gardens Sidewalk Project, 2) SR 7/US 441 Transit Corridor Improvements, and 3) SR-820/Pines Boulevard Lighting Design.**

Our work emphasizes significant contributions to municipal Complete Streets initiatives, pedestrian and cyclist connectivity, and corridor enhancement efforts. These projects incorporated comprehensive design and construction engineering services, including utility coordination, ADA compliance, pedestrian safety improvements, and enhanced lighting systems. Our collaboration with the **Florida Department of Transportation (FDOT), Broward County, and various local municipalities** highlights our ability to address a broad spectrum of project requirements, ensuring the integration of safety, accessibility, and community-focused solutions into successful infrastructure outcomes.

7.C Understanding of the Project Scope of Services



HBC understands that the City of Delray Beach is undertaking a transformative infrastructure improvement project for **Barwick Road**, spanning from **Lake Ida Road** to the **L-30 Canal**. This initiative is supported by an agreement between the Florida Department of Transportation (FDOT) and the City, ensuring compliance with FDOT's Local Agency Program (LAP) requirements. The project is further bolstered by a grant awarded by the Transportation Planning Agency of Palm Beach County (TPA) under its Local Initiatives (LI) Program, which prioritizes pedestrian and bicycle accommodation within a Complete Streets framework. Currently, the TPA grant covers a ½-mile segment of Barwick Road between Lake Ida Road and Sabal Lakes Road (north). However, the City owns an additional ¼-mile segment extending north to the LWDD L-30 Canal and intends to collaborate with the selected Consultant to request an expansion of the TPA-funded scope to include this section.

The project aims to enhance multimodal accessibility and safety by replacing the existing 8-foot asphalt path with a 10-foot wide concrete shared-use path on the east side and constructing a new sidewalk on the west side. Improvements include ADA-compliant curb ramps, upgraded pedestrian crossings near Banyan Creek Elementary School, and new decorative pedestrian lighting to enhance visibility. Additionally, critical roadway rehabilitation will address the deteriorated pavement conditions, ensuring long-term structural integrity and safety. Drainage system enhancements, including new structures and treatments, will be implemented to support the proposed curb and gutter sections. Traffic calming elements, such as landscaped bulb-outs and raised medians, will be introduced to regulate vehicular flow and improve overall road safety. The project also involves structural modifications to the existing LWDD canal culvert to accommodate the expanded shared-use path, potential utility adjustments, and compliance with FDOT LAP standards.

HBC recognizes the significance of this project in creating a safer, more accessible, and well-integrated corridor that aligns with the City's long-term vision for sustainable urban mobility. A critical component of this effort will be proactive stakeholder engagement, ensuring that community input informs the design and implementation process. Through strategic collaboration with the City, TPA, and FDOT, we are committed to delivering a design that enhances pedestrian and bicyclist infrastructure while addressing roadway and drainage deficiencies, ultimately fostering a more connected and resilient transportation network.

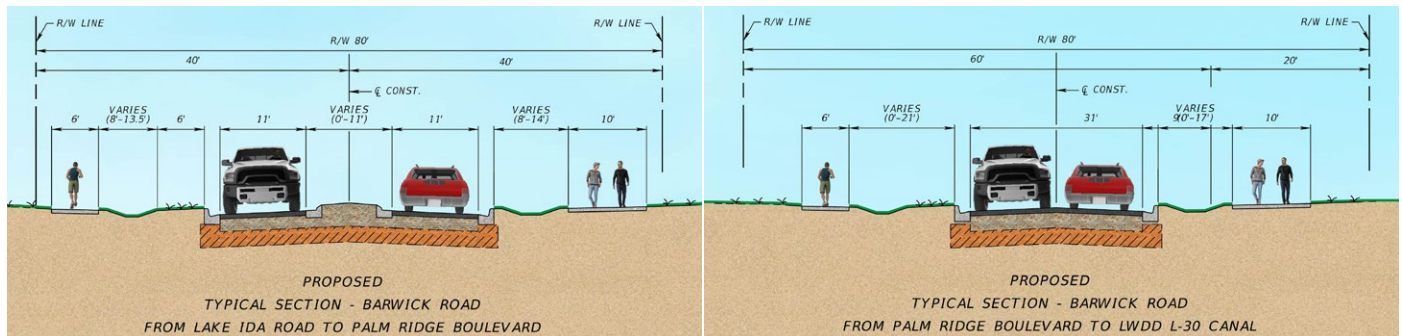


Figure 1: Proposed Typical Sections

Awareness of Specific Issues and Approaches to Engineering Design

The HBC team conducted field visits and reviewed all available project information, including the project scope, RFQ, FDOT LAP Cost Estimate (LRE), Local Agency Program Agreement between FDOT and the City, and as-built documents.

We have thoroughly investigated this project by:

- Studying project history, agreements, and right of way documents.
- Reviewed on-going adjacent FDOT Lap project (FM 441532-1).
- Conducting multidisciplinary field reviews, including shared-use path location, without affecting safe routes to school trees and lighting pole locations and heights.
- Identifying physical constraints, such as utilities and trees, to accommodate a 10' wide path.
- Holding discussions with jurisdictional agencies.
- Reviewing stormwater models of the drainage basin area and permit records.
- Developing renderings of proposed designs.
- Evaluating drainage requirements.
- Developing safety measures for pedestrian and bicyclist crossing driveways.
- Implementing context-based design to enhance safety, ensuring the pedestrian/bike path location avoids impacts on existing roadway features.
- Preparing pedestrian traffic detours and maintenance of traffic plans during construction.
- Identifying utilities along the corridor impacted by the new shared-use path and sidewalk.
- Conducting preliminary engineering analysis to develop innovative alternative alignments and intersection design solutions.
- Evaluating environmental impacts.
- Developing long-range construction estimates.
- Developing construction schedules.
- Creating a detailed design schedule.

The HBC team has worked through every detail of this project from design and constructability perspectives to provide complete solutions based on our experiences and lessons learned on previous complete street, pedestrian/ bicycle facility, and shared-use path projects.

Design Approach

Based on the proposed improvements, this project meets the requirements of Chapter 17 of the FDOT LAP Manual to be classified as a Class D project. This classification applies to projects located off the State Highway System (SHS) and the National Highway System (NHS), including pedestrian shared-use paths that do not span roadways or specific culvert structures. Under this classification, the **Florida Greenbook (FGB)** serves as the design criteria, ensuring that the shared-use path, and any pedestrian facility comply with essential safety, accessibility, and functional requirements. Also, the project will follow **LAP Big 4 specifications**, aligning quality standards with project-specific needs while maintaining flexibility. Furthermore, the HBC team will utilize FDOT's Electronic Review Comments (ERC) system for efficient document submission, plans review, and project administration. Close coordination with **Mya Williams**, the FDOT D4 Local Programs (LP) Administrator, will guide the design process, addressing technical considerations and ensuring all regulatory requirements are met.

In addition to these standards, we will adhere to AASHTO design recommendations for bicycle facilities included in “2012 AASHTO Guide for the Development of Bicycle Facilities”. Our team’s experience with similar FDOT LAP projects allows us to anticipate and effectively manage these requirements, ensuring compliance and a streamlined project development process.

HBC will apply our experience and lessons learned in designing a 2.69-mile shared-use path under the FDOT FM 429576-3 project to this Project.

Deficiencies Identified in the Project Scope: Based on our extensive research, we identified several issues along the corridor and developed project-specific design solutions. To illustrate these challenges and solutions, we prepared a comprehensive shared-use path design layout covering areas of constraint along the corridor. Additionally, we focused on specific issues by creating renderings of the design to provide a detailed view of these solutions. The following images include an aerial view of the overall project as well as close-ups of the key areas where design issues were addressed.

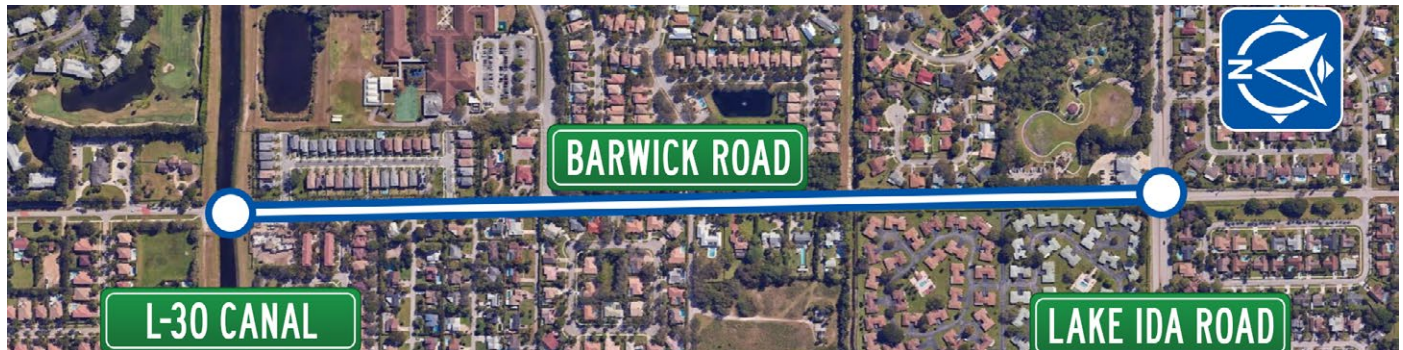


Figure 2: Project Area

Several key issues must be addressed to ensure a successful design and construction phase. These issues stem from existing roadway conditions, drainage challenges, multimodal accessibility needs, and regulatory compliance.

Pavement Deterioration & Structural Integrity: The project scope identifies significant pavement deterioration along Barwick Road, requiring rehabilitation through milling and resurfacing. Potential subgrade failures or base deficiencies may require full-depth reclamation or reconstruction rather than simple resurfacing.

Multimodal Safety & Accessibility Deficiencies: Existing pedestrian and bicycle facilities do not adequately accommodate all modes of transportation in a safe, efficient, and accessible manner, requiring new ADA-compliant shared-use paths and sidewalks. The project calls for a 10-ft concrete shared-use path on the east side and a new sidewalk on the west side. Midblock pedestrian crossings and Rectangular Rapid Flashing Beacons (RRFBs) at key intersections (e.g., near Banyan Creek Elementary) will need traffic analysis. Coordination with Florida Public Utilities (FPL), Comcast, AT&T, and FPL will be required for underground and aboveground utilities in conflict with pedestrian pathways.

Drainage and Stormwater Management Challenges: Adding curb and gutter sections along the corridor requires upgrading the stormwater management system. Existing drainage infrastructure may be undersized or incapable of handling increased runoff due to added impervious surfaces. The Lake Worth Drainage District (LWDD) canal culvert will need widening to accommodate the new shared-use path, requiring structural design to accommodate headwall sections at both ends. Coordination and compliance with South Florida Water Management District (SFWMD) and Lake Worth Drainage District permitting will be crucial.

Traffic Calming and Vehicular Flow Adjustments: The introduction of raised medians and bulb-outs aims to improve traffic safety but could impact access to adjacent properties. Five residential homes front Barwick Road between the LWDD canal culvert, and that will require special consideration to ensure access management is not overly restrictive. Speed reduction measures must be evaluated using traffic modeling to determine if additional measures, such as speed tables or lane narrowing, are warranted.

Lighting and Visibility Deficiencies: The existing street lighting is insufficient, requiring the installation of decorative LED pedestrian lighting. A photometric analysis will be necessary to determine illumination levels and ensure uniform coverage, particularly at pedestrian crossings. Coordination with Florida Power & Light (FPL) for installation under their Street Lighting Program will be required.

Utility Relocation and Conflicts: Due to the new sidewalk and drainage improvements, water, sewer, and other underground utilities may require relocation. The design must account for potential sanitary sewer conflicts, including possible Cured-in-Place Pipe (CIPP) lining of existing mains. Adjustments to valves, manhole covers, and utility poles will be needed to align with the new roadway and pedestrian infrastructure.

Compliance with FDOT LAP and Funding Requirements: Since the project is partially funded through FDOT's Local Agency Program (LAP), all design and construction documentation must comply with FDOT standards. Compliance with Manual on Uniform Traffic Control Devices (MUTCD), Americans with Disabilities Act (ADA), and FDOT roadway design criteria is mandatory. The project timeline must align with FDOT Fiscal Year 2025-2026 funding schedules, requiring efficient design and permitting phases.

Community Engagement and Public Outreach: To minimize disruption, residents and businesses along Barwick Road must be engaged throughout the design and construction phases. A project-specific website publications, public meetings, and stakeholder coordination will be essential for transparency and public buy-in. Clear detour and traffic management plans will be needed during construction to maintain accessibility, especially safe routes from Banyan Creek Elementary School.

Horizontal Alignment



The horizontal alignment of **Barwick Road** requires strategic adjustments to integrate a 10-foot shared-use path, new sidewalks, traffic calming measures, and drainage improvements while maintaining safe vehicular flow and pedestrian accessibility. The roadway's existing two-lane urban configuration will be modified to accommodate curb and gutter sections, raised medians, and bulb-outs at key pedestrian crossings, ensuring compliance with FDOT, AASHTO, and ADA design standards. Sight distance at intersections and midblock crossings must be optimized for enhanced pedestrian safety, particularly at Banyan Creek Elementary School, where Rectangular Rapid Flashing Beacons (RRFBs) and ADA-compliant curb ramps will be installed.

Since the project is situated in an urban section, the proposed shared use path will be designed using a design speed of 10 mph, consistent with FDOT FDM 224. In addition, the proposed horizontal alignment maintains smooth transitions and a minimum radius of 20' to ensure user comfort and reduce accident risk on curves. A minimum of 2' graded area with a maximum 1:6 slope adjacent to both sides of the path will be maintained; however, a width of 4' or more is preferable to ensure adequate clearance from trees, poles, walls, fences, or other lateral obstructions.

Vertical Alignment

The vertical alignment of **Barwick Road** requires careful evaluation and adjustments to ensure proper drainage, ADA compliance, and roadway rehabilitation while maintaining safe sight distances and smooth travel for all users. Given the deteriorated pavement conditions, the project includes milling, resurfacing, and potential full-depth reconstruction, necessitating grade adjustments to correct localized depressions, settlement areas, and uneven cross slopes. Additionally, the introduction of curb and gutter sections will require modifications to longitudinal roadway profiles to ensure proper stormwater runoff flow toward newly designed drainage structures. The existing LWDD canal culvert will be widened on the east side to accommodate the new shared-use path, requiring structural coordination and potential vertical realignment to maintain hydraulic efficiency. At pedestrian crossings, including those near Banyan Creek Elementary School, ADA-compliant curb ramps and detectable warning surfaces will be installed with precise grading to meet FDOT standards. The project must also maintain driveway access elevations while integrating traffic calming measures such as raised medians and bulb-outs, ensuring a smooth and functional vertical alignment.

Shared Use Path Design

Our Team has developed design solutions that successfully address the needs for the shared-use path. These solutions include:

- separation from the roadway (path 5' minimum from the edge of the traveled way per FGB 9.C.2)
- smooth horizontal curves
- maximizes sight triangles from side-streets/driveways

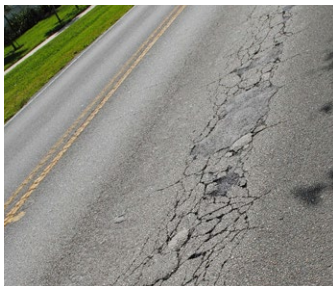
- provides horizontal alignment that minimizes conflicts with utilities, guy-wires, fire hydrants, valve covers, signs, mailboxes, and trees
- minimizes harmonization to private property and patterned surface driveways
- provide horizontal clearance per FGB 9.C.1
- properly grades path for cross slope and adjoining existing grade.

During our field visit, we identified constrained locations where insufficient space exists to accommodate a 10' shared-use path without encroaching into the right-of-way. For example, this situation is particularly evident at the southeast corner of Sabal Lakes Road, where the existing asphalt path is adjacent to the right-of-way line.



INNOVATIVE IDEA: Consistent with section 9.C.1 of the FGB, an 8' path width may be implemented over short distances where physical constraints, such as those at this location, are present. HBC has developed a specific detail for constrained conditions, avoiding utility impacts and preserving existing trees, minimizing construction costs, and allowing the shared-use path to retain natural shading while accommodating an 8' width.

Pavement Design



Given the pavement's deteriorated condition, the project will include milling and resurfacing, with areas requiring full-depth reclamation or reconstruction where subgrade deficiencies are identified. The proposed typical section consists of 10-foot wide travel lanes, with new curb and gutter sections to improve stormwater management. The pavement design will utilize FDOT approved Friction Course (FC) and Superpave (SP) asphalt mixtures to ensure durability and skid resistance. The shared-use path and sidewalk surfaces will be constructed using FDOT approved concrete mix designs, meeting ADA standards for smoothness and accessibility. The design will also consider potential utility adjustments, ensuring that pavement

restoration around manholes, valves, and drainage inlets meets the required tolerances. These improvements will extend pavement lifespan, enhance safety, and provide a more resilient roadway for vehicles, cyclists, and pedestrians.

Maintenance of Traffic

The success of this project hinges on seamless coordination, clear communication, and strategic traffic and pedestrian management along Barwick Road. To minimize public disruptions, our team has developed a comprehensive Temporary Traffic Control Plan (TTCP) that ensures efficient work zones, optimized productivity, and a safe environment for both the public and construction personnel.

The construction will be executed in three phases, each designed to maintain traffic flow, provide safe pedestrian routes, and minimize impacts on the surrounding community.

PHASE 1 | West Side Sidewalk Construction and Drainage Improvements

Phase 1 will focus on the construction of a new sidewalk on the west side of the project corridor and drainage improvements at the Lake Worth Drainage District (LWDD) Canal L-30 (east and west sides) while maintaining uninterrupted traffic flow on the existing roadway configuration. All work will occur outside of the current travel lanes to reduce traffic impacts. Pedestrian access will be maintained via the existing asphalt path on the east side of the project, ensuring continuous connectivity.

PHASE 2 | Shared-Use Path Reconstruction and Temporary Traffic Shift

In Phase 2, the existing shared-use path on the east side will be reconstructed, the guardrail will be removed, and the existing lane configuration will be restriped to shift traffic westward, allowing one lane in each direction. In areas with insufficient pavement width, particularly between Lake Ida Road and Sabal Lakes Road, 10-foot travel lanes will be implemented, and low-profile barrier walls will be placed along the east edge to protect the work zone. Pedestrian detours will redirect foot traffic to the newly constructed west-side sidewalk, ensuring safe movement through the corridor.

PHASE 3 | Pavement Rehabilitation and Final Resurfacing

The final phase will consist of milling and resurfacing the existing asphalt pavement throughout the project corridor. **Where pavement width allows, the work will follow a four-step process:**

- Mill and resurface the center lane while maintaining existing traffic flow.
- Temporarily shift northbound (NB) traffic to the center lane to allow milling and resurfacing of the NB lane.
- Once the NB lane is completed, shift NB traffic back and relocate southbound (SB) traffic to the center lane for SB lane resurfacing.
- Upon completion of these steps, the final surface treatment (SPM) will be applied, and normal traffic flow will be restored.

In areas with asphalt width constraints, flagging operations will be utilized to safely alternate traffic flow and ensure efficient work progress.

Access and Safety Considerations

Throughout construction, driveway access will be maintained, with proper coordination for any temporary closures to minimize inconvenience to residents and businesses. Although there are no transit facilities within the project corridor, special attention will be given to Banyan Creek Elementary School, which falls within the work zone. School crossings will be maintained, and coordination with the Palm Beach County School Board will be essential to reduce disruptions and establish a safe environment for students and parents.

Stormwater and Drainage Design Approach



The stormwater and drainage design approach for the **Barwick Road Improvement Project** focuses on ensuring effective water management, compliance with regulatory requirements, and minimizing environmental impacts. The project requires multiple permits, including a General Use Permit from the South Florida Water Management District (SFWMD), a Lake Worth Drainage District (LWDD) Right-of-Way Permit for extending the culvert, an NPDES permit for stormwater discharge, and a Florida Department of Environmental Protection (FDEP) Section 404 Permit. The existing culvert pipe at LWDD L-30 Canal will be maintained, but riprap, end walls, and regrading will be added to improve erosion control and flow efficiency within the canal. All construction activities must adhere to NPDES requirements, ensuring that stormwater runoff does not adversely impact water quality. If the project disturbs more than one acre, the City or Contractor must obtain an NPDES permit, and a Stormwater Pollution Prevention Plan (SWPPP) will be incorporated into the plans to mitigate erosion, sediment transport, and pollutant discharge during construction. Floodplain encroachment analysis confirms that the project is within FEMA Zone X, indicating that it will not increase flood risks, alter base flood elevations, or impact emergency evacuation routes. Additionally, FDOT's Planning and Environmental Management Office (PLEMO) will be consulted to identify potential environmental impacts and ensure regulatory compliance. This drainage strategy will enhance stormwater management, protect adjacent properties from flooding, and promote long-term roadway resilience while aligning with federal, state, and local environmental standards.

Signing and Pavement Marking

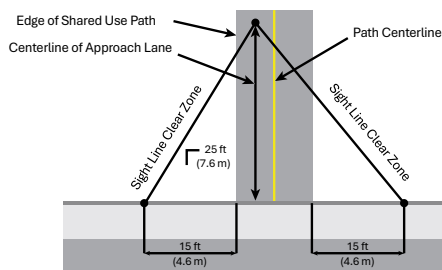


Figure 3: Minimum Path Sight Triangle

The signing and pavement marking design will be developed to enhance safety, improve visibility, and provide clear guidance to motorists, cyclists, and pedestrians in compliance with FDOT Standard Plans, the Manual on **Uniform Traffic Control Devices (MUTCD)**, **Florida Design Manual (FDM)** and the **Florida Green Book (FGB)**. Based on speed studies conducted by the City in November 2021, which recorded an 85th percentile speed of 42.11 MPH, more than 7 MPH above the posted 35 MPH speed limit, recommending the implementation of traffic calming measures. Consistent with the FDOT Index 711-001, the thermoplastic pavement markings will be specified for durability and retroreflectivity. High-emphasis crosswalks will be implemented at key pedestrian crossing points, particularly near Banyan Creek Elementary School, where Rectangular Rapid Flashing Beacons (RRFBs) will be installed to increase driver awareness. Shared-use path striping will be applied along the 10-foot concrete path on the east side, ensuring proper delineation between cyclists and pedestrians. Additionally, lane striping adjustments will accompany the new raised medians and curb extensions, ensuring proper lane width transitions and visual narrowing to reduce vehicle speeds. The signing plan will include regulatory, warning, and retroreflective guide signs, ensuring high visibility. Speed limit signs, advance pedestrian crossing signs, and school zone signage enhancements will be placed at strategic locations to reinforce speed

management and pedestrian safety. Coordination with FDOT LAP requirements and the City of Delray Beach will ensure that all signing and pavement marking elements align with the broader transportation safety goals.

Bicycle markings and signing will be installed per MUTCD, “2012 AASHTO Guide for the Development of Bicycle Facilities” and Broward County Bicycle Pavement Marking and Details. AASHTO shared used path departure sight distance recommendations have been implemented in our conceptual plans at each side street traffic **as shown in Figure 3 at the top of the previous page.**

Signalization

The Barwick Road Improvement Project begins at the intersection of Barwick Road and Lake Ida Road, where an existing (TS No. 1,009) traffic signal system is in place. To prevent unnecessary costs and avoid triggering additional signal modifications, the milling and resurfacing limits have been carefully designed to stop before the existing vehicle detection loops on the north leg of the intersection. This ensures that the signal infrastructure remains intact, avoiding the need for loop replacement, signal retiming, or potential signal system upgrades. Proper coordination with FDOT and the City of Delray Beach Traffic Operations Division will be maintained throughout the construction process to ensure that signal operations remain functional and uninterrupted. Traffic control measures will be implemented to minimize disruptions at the intersection, ensuring that signal visibility, pedestrian crossings, and vehicular movements are maintained during construction. By preserving the existing signal infrastructure, the project will effectively manage costs while delivering the intended roadway and pedestrian improvements without impacting traffic signal operations.

Mobility and Transit Facilities

The project corridor currently lacks dedicated transit facilities, meaning no direct coordination with Palm Tran or other transit agencies is required. However, the project will significantly improve pedestrian and cyclist connectivity by replacing the existing 8-foot asphalt path with a 10-foot concrete shared-use path on the east side and constructing a new sidewalk on the west side, ensuring ADA compliance and safer travel for all users. Key enhancements include improved pedestrian crossings, Rectangular Rapid Flashing Beacons (RRFBs) near Banyan Creek Elementary School, and new pedestrian lighting, all contributing to a safer and more accessible corridor. Although no transit shelters or stops are planned within the project limits, the enhanced walkability and bicycle infrastructure will improve connectivity, encouraging non-motorized travel and making future transit integration more feasible.

Street Lighting Design Approach



The **Barwick Road Improvement Project** will incorporate decorative pedestrian lighting to enhance visibility, safety, and aesthetic continuity along the corridor from Lake Ida Road to the L-30 Canal. A photometric analysis using AGi32 software will be conducted to ensure proper illumination levels, particularly at crosswalks near Banyan Creek Elementary School and the proposed shared-use path.

The City of Delray Beach, in collaboration with Florida Power & Light (FPL), will retain existing FPL LED luminaires, including ATB2 140W, 4000K, and 45W, 3000K fixtures mounted on shared FPL poles. New lighting installations will follow FPL’s Street Lighting program, with the City’s contractor installing conduit and pull boxes, after which FPL will complete the wiring, poles, and fixture installation.

To maintain design consistency with the adjacent FDOT LAP Project (FM 441532-1-58-01) (FDOT LAP Contract G2L44) from West Atlantic Avenue to Lake Ida Road, proposed decorative post-top lighting will be coordinated to match the Washington-style concrete poles in green with Holophane Granville LED luminaires (39W, 5,190 lumens, Type III distribution) with photometric IES file GVD3_P20_30K_XXXX_GL3_FC.

All LED lighting installations will adhere to FDOT and IES standards, ensuring uniform light distribution, reduced glare, and increased pedestrian safety along the corridor.

Utility Coordination

Our utility coordination process adheres to a comprehensive, step-by-step approach that includes utility data collection, conflict identification, coordination, relocation, and accommodation. HBC will gather extensive utility data from utility providers, state and local agencies, and other relevant stakeholders. This data will enable us to create a precise utility inventory and map, detailing the location, type, and size of utilities within the project area.

These resources will then be analyzed to identify any potential conflicts between the proposed improvements along Barwick Road and existing utilities, allowing us to address issues proactively and minimize project disruptions.

Although we do not anticipate significant utility impacts for this project, if conflicts arise, we will first identify a design solution to avoid the conflict. Alternatively, we will perform utility scans and Subsurface Utility Engineering (SUE) to determine the exact location of these lines and take the necessary measures to resolve the conflicts. We have identified several utility features (e.g., fire hydrants, valve covers, manhole covers, irrigation sprinklers, and communication boxes) along the new shared-use path and sidewalk requiring vertical adjustment or relocation. HBC will work closely with utility companies to ensure that relocation is achieved efficiently and in compliance with FDOT Utility Accommodation Manual and applicable laws and regulations.

Landscape

Landscaping will be integrated into raised medians and bulb-outs, utilizing native, non-invasive, low-maintenance plant species to reduce long-term upkeep and water consumption. Vegetation will be strategically placed within raised medians and bulb-outs to enhance traffic calming while ensuring unobstructed sightlines at intersections and pedestrian crossings. The existing swale areas will be regraded and planted with deep-rooted, erosion-resistant vegetation to improve stormwater infiltration and drainage efficiency. Along the LWDD L-30 Canal embankments, riprap and native wetland species will be considered to stabilize slopes and minimize sedimentation. Additionally, existing irrigation systems impacted by construction will be restored, and new irrigation infrastructure will be installed to support new plantings, ensuring long-term sustainability. Coordination with LWDD and the City of Delray Beach will be required for landscape approvals within the right-of-way, ensuring compliance with local regulations and maintenance standards. These enhancements will not only improve the corridor's visual appeal but also promote ecological balance and long-term resilience.

PROJECT MANAGEMENT APPROACH



HBC's approach to project management is built on a foundation of structured planning, rigorous quality control, advanced technology, and client-centered communication. Our strategies are rooted in industry best practices and are designed to ensure the timely, cost-effective delivery of high-quality services. By maintaining strict oversight of schedule, budget, and project outcomes, we foster a collaborative environment that prioritizes client satisfaction and successful project execution. This approach positions HBC as a reliable partner in the City of Delray Beach's mission to deliver the **Barwick Road improvements** efficiently and effectively.

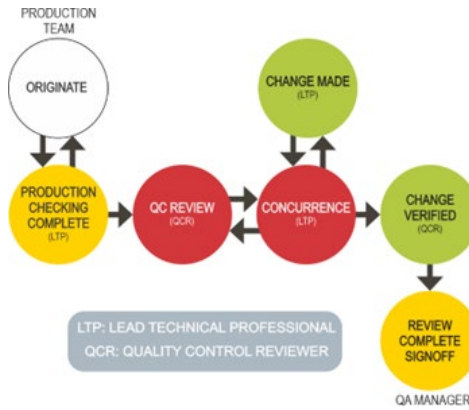
Resource Allocation and Risk Management

To deliver high-quality design services on time and within budget, we will implement a comprehensive resource allocation and risk management plan.

Staffing Plan: Our staffing plan is designed to provide the right mix of expertise and experience at each stage of the project. Key personnel will be allocated, based on the specific needs of each task, with additional resources available, as needed, to meet project demands. We will maintain flexibility in our staffing to adapt to changes in project scope or schedule. We will leverage the latest design software programs, including AutoCAD Civil 3D, MicroStation, and Bentley OpenRoads, to ensure accuracy and efficiency in our design work. Additionally, our project management tools will facilitate real-time tracking of each project's progress, enabling us to respond quickly to any issues that arise.

Risk Management: At the outset of the project, HBC will conduct a comprehensive risk assessment to identify potential risks associated with design, right of way, permitting, construction, and stakeholder engagement. HBC's team will evaluate each risk based on its likelihood and potential impact on the project's scope, schedule, and budget. Through a collaborative Risk Assessment (RA) Workshop, we will bring together multidisciplinary experts to thoroughly analyze and quantify risks, ensuring a holistic understanding of project vulnerabilities. For each identified risk, HBC will develop tailored mitigation strategies, which may include design modifications, schedule adjustments, or the inclusion of contingency plans to minimize potential disruptions. These mitigation strategies will be actively incorporated into a risk register, which will be continuously updated throughout the project to account for emerging risks. To further safeguard project success, HBC will allocate contingency allowances in both the budget and schedule, ensuring flexibility to address unforeseen events.

Quality Assurance/Quality Control



The HBC Team's Quality Control Plan (QCP) will be submitted within ten (10) days following the execution of the contract. The QCP will delineate the professional duties and responsibilities of each team member involved in the creation of engineering documents, including plans, inspections, reports, studies, calculations, or any other deliverables assigned to the HBC Team by FDOT or the City of Delray Beach. Our QCP outlines a comprehensive process designed to minimize rework, eliminate errors and omissions, reduce construction claims, and optimize the use of design and construction funds. The QCP adheres to the guidelines specified in FDM Chapters 124 and 125, featuring a 5-step, color-coded check/back-check process conducted by independent senior staff. Additionally, all deliverables, including those from our partnering teams, will undergo Quality Assurance (QA) certification. To

ensure a seamless and efficient QC process, we employ Bluebeam Studio Sessions and the HBC custom toolbox.

Edgar Diaz, MS, PE, PSM, will oversee the Quality Assurance process as HBC's **Quality Assurance Manager**. With over 36 years of extensive experience, Edgar will be supported by a dedicated quality control team, including QA/QC Lead, Jorge L. Rodriguez, PE, and Constructability Review specialists, Michael Schawe and Christopher Soto, PE. A centralized QC calendar managed by HBC will coordinate all review processes, ensuring timely adherence to project schedules.

The HBC Team's Design Project Managers, along with HBC staff and subcontractors, will submit each set of plans to our constructability review team at each project phase. This collaborative effort will ensure thorough constructability and maintainability evaluations, aiding the EOR and design team in producing fully functional and constructible plans. Michael Schawe, HBC's CEI Project Manager, brings over 48 years of experience in the Construction Engineering and Inspection (CEI) industry, specifically in highway and bridge construction and FDOT plan reviews. His expertise is crucial in preventing time and cost impacts by ensuring that all plans are feasible for construction.

7.D Meeting the Detailed Time Schedule

Project Delivery Process

Our approach to the project process is structured to address the challenges inherent in the design of the Barwick Road improvements. The following methodology outlines the key steps we will take to ensure the successful delivery of the project:

Project Kickoff and Preliminary Planning

Kickoff Meeting: We will initiate the project with a comprehensive kickoff meeting involving representatives from the City of Delray Beach and FDOT LAP Coordinator, key personnel from our Team, and relevant subconsultants. This meeting will establish each project's objectives, timelines, roles and responsibilities, communication protocols, and quality control measures.

Site Reconnaissance and Data Collection: Our Team will conduct thorough site visits and gather all necessary data, including existing roadway conditions, traffic volumes, environmental constraints, and utilities. We will utilize advanced surveying techniques and Light Detection and Ranging (LiDAR) technology to ensure accuracy in our data collection efforts.

Stakeholder Engagement: Recognizing the importance of stakeholder input, we will engage with relevant agencies, local authorities, and community stakeholders early in the process to identify potential concerns and incorporate their feedback into the design development.

Design Development

Conceptual Design: Based on the initial data collection and stakeholder input, we will develop a range of conceptual design alternatives. These alternatives will be evaluated against project criteria, including safety, cost-effectiveness, environmental impact, and ease of construction. We will use decision matrices and risk assessments to select the most viable design option.

Preliminary Design: The selected conceptual design will be further developed into a preliminary design, including detailed shared-use path alignments, profiles, cross-sections, and drainage improvements, if required. We will conduct drainage analyses, and geotechnical investigations to refine the design and ensure compliance with all applicable standards and regulations.

Permitting and Regulatory Compliance: Our Team will proactively coordinate with regulatory agencies, such as the Florida Department of Transportation (FDOT), Lake Worth Drainage District

(LWDD), and South Florida Water Management District (SFWMD) to secure the necessary permits. We will prepare and submit all required documentation, including environmental assessments, permit applications, and mitigation plans, in a timely manner.

Final Design and Documentation

Detailed Engineering Design: The final design phase will involve the preparation of complete construction documents, including detailed plans, technical specifications, and engineer's estimates. Our Team will ensure that all design elements are fully coordinated and that potential conflicts between disciplines (e.g. civil, drainage, and electrical) are resolved.

Quality Assurance/Quality Control (QA/QC): A rigorous QA/QC process will be implemented throughout the design phase. Our in-house QA/QC team, led by senior engineers, will conduct independent reviews of all deliverables to ensure compliance with FDOT's standards and 5-step QA/QC process. We will also conduct constructability reviews to identify and mitigate potential construction challenges. Before 100% submittal, we will conduct a field visit to ensure existing conditions remain.

Bidding Support: Upon completion of the final design, we will provide post-design support during the bidding process, including responding to contractor inquiries, issuing addenda, and assisting the City of Delray Beach in evaluating bids.

Post-Design Services: HBC's Team will continue supporting the City of Delray Beach throughout the construction phase to provide technical support, as needed. This includes shop drawing and Request for Information (RFI) reviews, field visits, or any other applicable city or FDOT requests. Shop drawings and RFIs will be reviewed within 24 hours.

Project Management and Coordination

Strategies for Controlling the Project Design Schedule: We understand the FDOT LAP program expects the design phase to be completed by 2027. We have developed a project schedule using industry-standard tools, for approval reflecting FDOT's desired design duration. We proposed a design schedule of 18 months. We will receive input from the City of Delray Beach Project Manager, make any adjustments, and finalize the development of logical and achievable tasks. The schedule includes major milestones, task durations, and critical path activities. We will continuously monitor progress against the schedule's critical path items and implement corrective actions, strategically allocating resources, as necessary, to address issues early and avoid delays. HBC will allocate ample time for plan review and comment resolutions within our project schedule.

Strategies for Controlling the Project Budget

Design: HBC will actively monitor the budget from Day 1, updating cost estimates regularly to ensure accurate allocation of funds for construction. We will closely manage scope creep, particularly with requests and ERC comments outside the original scope, with special attention to safety projects to prevent the inclusion of unrelated items. Project issues will be continuously reviewed and assessed, with alternative solutions analyzed to control scope growth. Detailed cost estimates will be provided to the City of Delray Beach at each project phase, accompanied by cost control measures to keep the project within budget. Additionally, we will track design progress using a payout curve to ensure invoice values remain consistent with the planned budget.

Construction: At the 60%, 90%, and 100% phases, an engineer's cost estimate will be developed, and an Engineer Cost Breakdown will be performed for all lump sum pay items to prevent scope expansion. Our CEI Project Engineer will conduct on-site field reviews at the 90% phase to ensure constructability, minimize contractor RFIs, and avoid costly delays. We will verify that the project's logical terminal and limits align with the work program. With a strong portfolio of completed Design-Build projects, our Team consistently seeks cost-saving measures that add value to a project.

7.E Team Office Locations

HBC Engineering Company

123 NW 13th Street, Suite 308
Boca Raton, FL 33432

GPI Geospatial, Inc.

8935 NW 35th Ln, Suite 100
Doral, FL 33172

Janus Research, Inc.

1107 N Ward St
Tampa, FL 33607

KCI Technologies, Inc.

1425 W Cypress Creek Rd
Fort Lauderdale, FL 33309

Media Relations Group, Inc.

14707 S Dixie Hwy, Suite 404
Palmetto Bay, FL 33176

Resources Env. Solutions, LLC

312 SE 17th Street, Suite 200
Fort Lauderdale, FL 33316

Tierra South Florida, Inc.

2765 Vista Parkway, Suite 10
West Palm Beach, FL 33411

7.F Accessibility, Availability and Communication with the City

HBC is fully committed to maintaining continuous accessibility, availability, and clear communication with the City of Delray Beach throughout the Project. Our local presence, structured project management, and dedicated team ensure seamless coordination and timely responsiveness. HBC's Boca Raton office will serve as our primary location for meetings and coordination. **Adebayo Coker, PE**, will serve as the primary point of contact with the City to ensure prompt and responsive communication. He will be **readily available for pre-scheduled in-person meetings, site visits, and virtual discussions via Microsoft Teams as needed**. To ensure timely coordination and supervision, HBC will:

- Attend all required meetings in person or virtually via Microsoft Teams, based on the City's preference, with key personnel readily available for discussions.
- Conduct on-site inspections and field visits as needed to provide real-time project oversight and issue resolution.
- Maintain open communication via email, phone, and virtual conferencing to facilitate rapid responses to City inquiries.
- Implement structured project management with regular check-ins to proactively address project needs, mitigate risks, and keep the City informed.

HBC has the expertise, capacity, and resources to remain fully engaged throughout the contract term. Our structured approach to responsiveness, strategic coordination, and stakeholder engagement ensures seamless execution, timely decision-making, and efficient project delivery, guaranteeing the successful completion of this project.

8. Attachments & Forms



All executed Attachment/Forms and Affidavits required by this solicitation shall can be found in the the following pages.

ACKNOWLEDGEMENT OF ADDENDA

Please complete Part I or Part II, as applicable

PART I:

List below the dates of issue for each addendum received in connection with this Solicitation:

Addendum #1, Dated February 5th, 2025

Addendum #2, Dated _____

Addendum #3, Dated _____

Addendum #4, Dated _____

Addendum #5, Dated _____

Addendum #6, Dated _____

Addendum #7, Dated _____

Addendum #8, Dated _____

Addendum #9, Dated _____

Addendum #10, Dated _____

PART II:

☐ NO ADDENDUM WAS RECEIVED IN CONNECTION WITH THIS SOLICITATION

HBC Engineering Company

Firm Name

Signature

Adebayo Coker, PE, President

Name and Title (Print or Type)

02/15/2025

Date

PROPOSAL SUBMITTAL SIGNATURE PAGE

By signing this Proposal, the Proposer certifies that it satisfies all legal requirements as an entity to do business with the City, including all Conflict of Interest and Code of Ethics provisions.

Firm Name:
HBC Engineering Company

Street Address:
123 NW 13th Street, Suite 308, Boca Raton, FL 33432

Mailing Address (if different from Street Address):
N/A

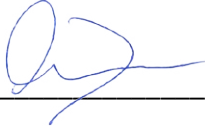
Telephone Number(s): (305) 232-7932

Fax Number(s): (305) 232-7933

Email Address: proposals@hbcengineeringco.com

Federal Employer Identification Number: 22-3936061

Prompt Payment Terms: 100 % ____ days' net 30 days

Signature: 
(Signature of authorized agent)

Print Name: Adebayo Coker, PE

Title: President

Date: 02/15/2025

By signing this document, the Proposer agrees to all terms and conditions of this Solicitation and the resulting contract/agreement.

THE EXECUTION OF THIS FORM CONSTITUTES THE UNEQUIVOCAL OFFER OF PROPOSER TO BE BOUND BY THE TERMS OF ITS PROPOSAL, FOR NOT LESS THAN ONE HUNDRED AND TWENTY (120) DAYS, AND THE PROPOSER'S UNEQUIVOCAL OFFER TO BE BOUND BY THE TERMS AND CONDITIONS SET FORTH IN THIS SOLICITATION. FAILURE TO SIGN THIS SOLICITATION WHERE INDICATED ABOVE, BY AN AUTHORIZED REPRESENTATIVE, SHALL RENDER THE PROPOSAL NON-RESPONSIVE. THE CITY MAY, HOWEVER, IN ITS SOLE DISCRETION, ACCEPT ANY PROPOSAL THAT INCLUDES AN EXECUTED DOCUMENT WHICH UNEQUIVOCALLY BINDS THE PROPOSER TO THE TERMS OF ITS PROPOSAL.

CONFLICT OF INTEREST DISCLOSURE FORM

The award of this contract is subject to the provisions of Chapter 112, *Florida Statutes*. All Proposers must disclose within their Proposal: the name of any officer, director, or agent who is also an employee of the City of Delray Beach.

Furthermore, all Proposers must disclose the name of any City employee who owns, directly or indirectly, an interest of more than five percent (5%) in the Proposer's firm or any of its branches.


The purpose of this disclosure form is to give the City the information needed to identify potential conflicts of interest for evaluation team members and other key personnel involved in the award of this contract.

The term "conflict of interest" refers to situations in which financial or other personal considerations may adversely affect, or have the appearance of adversely affecting, an employee's professional judgment in exercising any City duty or responsibility in administration, management, instruction, research, or other professional activities.

Please check one of the following statements and attach additional documentation if necessary:

- ☒ To the best of our knowledge, the undersigned firm has no potential conflict of interest due to any other Cities, Counties, contracts, or property interest for this Proposal.
- ☐ The undersigned firm, by attachment to this form, submits information which may be a potential conflict of interest due to other Cities, Counties, contracts, or property interest for this Proposal.

Acknowledged by:

HBC Engineering Company
Firm Name

Signature
Adebayo Coker, PE, President
Name and Title (Print or Type)
02/15/2025
Date

NOTIFICATION OF PUBLIC ENTITY CRIMES LAW

Pursuant to Section 287.133, *Florida Statutes*, you are hereby notified that a person or affiliate who has been placed on the convicted contractors list following a conviction for a public entity crime may not submit a Proposal on a contract to provide any goods or services to a public entity; may not submit a Proposal on a contract with a public entity for the construction or repair of a public building or public work; may not submit Proposals on leases or real property to a public entity; may not be awarded or perform work as a contractor, supplier, sub-Proposer, or consultant under a contract with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017 [F.S.] for Category Two [\$35,000.00] for a period of thirty-six (36) months from the date of being placed on the convicted contractors list.

Acknowledged by:

HBC Engineering Company

Firm Name

Signature

Adebayo Coker, PE, President

Name and Title (Print or Type)

02/15/2025

Date

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**NOTIFICATION OF PUBLIC RECORDS LAW PERTAINING TO PUBLIC CONTRACTS AND REQUESTS FOR
CONTRACTOR RECORDS PURSUANT TO CHAPTER 119, *FLORIDA STATUTES***

Pursuant to Chapter 119, *Florida Statutes*, Contractor shall comply with the public records law by keeping and maintaining public records required by the City of Delray Beach in order to perform the service. Upon request from the City of Delray Beach' custodian of public records, contract shall provide the City of Delray Beach with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119, *Florida Statutes* or as otherwise provided by law. Contractor shall ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract. If the Contractor does not transfer the records to the City of Delray Beach. Contractor upon completion of the contract, shall transfer, at no cost, to the City of Delray Beach all public records in possession of the Contractor or keep and maintain public records required by the City of Delray Beach in order to perform the service. If the Contractor transfers all public records to the City of Delray Beach upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the Contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the City of Delray Beach, upon request from the City of Delray Beach' custodian of public records, in a format that is compatible with the information technology systems of the City of Delray Beach.

IF CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, *FLORIDA STATUTES*, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT OFFICE OF THE CITY CLERK LOCATED AT 100 NW 1ST AVENUE, DELRAY BEACH, FLORIDA 33444, PHONE NUMBER (561) 243-7050, EMAIL ADDRESS: CITYCLERK@MYDELRAYBEACH.COM.

Acknowledged:

HBC Engineering Company

Firm Name



Signature

Adebayo Coker, PE, President

Name and Title (Print or Type)

02/15/2025


Date

DRUG-FREE WORKPLACE

HBC Engineering Company is a drug-free workplace and has
(Company Name)
a substance abuse policy in accordance with and pursuant to Section 440.102, *Florida Statutes*.

Acknowledged by:

HBC Engineering Company
Firm Name


Signature

Adebayo Coker, PE, President
Name and Title (Print or Type)

02/15/2025
Date

(The remainder of this page is intentionally left blank)

NON-COLLUSION AFFIDAVIT

STATE OF Florida
COUNTY OF Miami-Dade

Before me, the undersigned authority, personally appeared Adebayo Coker, PE, who, after being by me first duly sworn, deposes and says of his personal knowledge that:

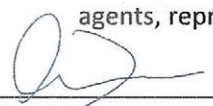
- a. He/She is President of HBC Engineering Company, the Proposer that has submitted a Proposal to perform work for the following:
Professional Engineering Design Services for Barwick
RFQ No.: 2025-020 Title: Road from Lake Ida Road to L-30 Canal (City Limits)

- b. He/She is fully informed respecting the preparation and contents of the attached Request for Qualifications, and of all pertinent circumstances respecting such Solicitation.

Such Proposal is genuine and is not a collusive or sham Proposal.

- c. Neither the said Proposer nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly, with any other Proposer, firm, or person to submit a collusive or sham Proposal in connection with the Solicitation and contract for which the attached Proposal has been submitted or to refrain from proposing in connection with such Solicitation and contract, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Proposer, firm, or person to fix the price or prices in the attached Proposal or any other Proposal, or to fix any overhead, profit, or cost element of the Proposal price or the Proposal price of any other Proposer, or to secure through any collusion, conspiracy, connivance, or unlawful agreement any advantage against the City or any person interested in the proposed contract.

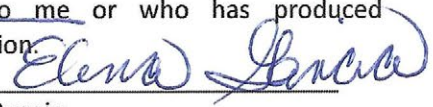
- d. The price or prices quoted in the attached Proposal are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Proposer or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.


Signature

Subscribed and sworn to (or affirmed) before me this 17th day of February 2025 by Adebayo Coker, PE, who is personally known to me or who has produced

N/A as identification

SEAL

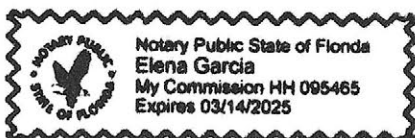
Notary Signature 

Notary Name: Elena Garcia

Notary Public (State): Florida

My Commission No: HH095465

Expires on: 03/14/2025



TRUTH – IN – NEGOTIATION CERTIFICATE

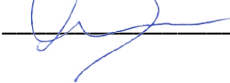
The undersigned warrants (i) that it has not employed or retained any company or person, other than bona fide employees working solely for the undersigned, to solicit or secure the Agreement and (ii) that it has not paid or agreed to pay any person, company, corporation, individual, or firm other than its bona fide employees working solely for the undersigned or agreed to pay any fee, commission, percentage, gift, or any other consideration contingent upon or resulting from the award or making of the Agreement.

The undersigned certifies that the wage rates and other factual unit costs used to determine the compensation provided for in the Agreement are accurate, complete, and current as of the date of the Agreement.

Name: Adebayo Coker, PE

Title: President

Date: 02/15/2025

Signature: 

(The remainder of this page is intentionally left blank)

SCRUTINIZED COMPANY CERTIFICATION

This certification is required pursuant to Florida State Statute Section 287.135.

As of July 1, 2011, a company that, at the time of bidding or submitting a proposal for a new contract or renewal of an existing contract, is on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List is ineligible for, and may not bid on, submit a proposal for, or enter into or renew a contract with an agency or local governmental entity for goods or services of \$1 million or more.

Companies must complete and return this form with its response.

Company: HBC Engineering Company FID or EIN No.: 22-3936061

Address: 123 NW 13th Street, Suite 308

City: Boca Raton State: Florida Zip: 33232

I, Adebayo Coker, PE, as a representative of HBC Engineering Company
certify and affirm that this company is not on the Scrutinized Companies with Activities in Sudan List or
the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.



Signature

President
Title

Adebayo Coker, PE

Printed Name

02/15/2025

Date

(The remainder of this page is intentionally left blank)

AFFIDAVIT REGARDING THE USE OF COERCION FOR LABOR AND SERVICES

Vendor Name: HBC Engineering Company

Vendor FEIN: 22-3936061

Vendor's Authorized Representative Name and Title:

Adebayo Coker, PE, President

Address: 123 NW 13th Street, Suite 308

City: Boca Raton State: Florida Zip: 33232

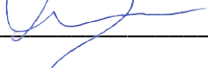
Phone Number: (305) 232-7932 Email Address: proposals@hbcengineeringco.com

Florida Statute §787.06(13) requires all nongovernmental entities executing, renewing, or extending a contract with a governmental entity to provide an affidavit signed by an officer or representative of the nongovernmental entity under penalty of perjury that the nongovernmental entity does not use coercion for labor or services as defined in that statute. The City of Delray Beach, Florida is a governmental entity for the purposes of this statute.

As the officer or representative of the company, I certify that the company identified above does not:

- Use or threaten to use physical force against any person;
- Restrain, isolate, or confine or threaten to restrain, isolate, or confine any person without lawful authority and against his or her will;
- Use lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied towards the liquidation of the debt, the length and nature of the labor or services are not respectively limited and defined;
- Destroy, conceal, remove, confiscate, withhold, or possess any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification, of any person;
- Cause or threaten to cause financial harm to any person;
- Entice or lure any person by fraud or deceit;
- Provide controlled substances as outlined in Schedule I or Schedule II of Florida State Statute §893.03 to any person for the purpose of exploitation of that person.

Under penalties of perjury, I declare that I have read the foregoing document and the at the facts stated in it are true.

Signature:  _____
(Authorized Signature)

Print Name and Title: Adebayo Coker, PE, President

Date: 02/15/2025

SECTION 10: SOLICITATION SUMMARY

PURCHASING AND CONTRACT ADMINISTRATION DIVISION

**The City of Delray Beach
100 NW 1st Avenue
Delray Beach, FL 33444**

SOLICITATION SUMMARY

IMPORTANT NOTICE

The information you provide on this page will be read aloud at the PUBLIC OPENING for this Solicitation. It is VERY IMPORTANT that the summary information you provide below is exactly the same information contained in your Proposal. If subsequent to the opening of Proposals, the City determines that the information contained in the electronic version of your Proposal is different from the information on this Solicitation Summary, the City reserves the right to deem your Proposal NON-RESPONSIVE and remove your Proposal from further evaluation and consideration for contract award.

PROPOSAL INFORMATION

Proposal Number: RFQ No. 2025-020

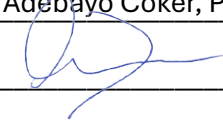
Title: Professional Engineering Design Services of
Barwick Road from Lake Ida Road to L-30 Canal (City Limits)
Project No. 25-002 / FDOT LAP Project No. 450793-1-58-01

Due Date and Time: **February 5, 2025 @ 2:00 PM (LOCAL TIME)**

Name of Proposer: HBC Engineering Company

Address: 123 NW 13th Street, Suite 308, Boca Raton, FL 33432

Contact Person: Adebayo Coker, PE, President

Authorized Signature:  _____

Date: 02/15/2025

By signing and submitting this Solicitation Summary, the Proposer affirms that the information provided above is an exact and correct summary of the information contained in the electronic version of the Proposer's Proposal to the City of Delray Beach.

THIS SOLICITATION SUMMARY MUST BE SIGNED AND UPLOADED WITH YOUR SECURE ELECTRONIC PROPOSAL SUBMITTAL THROUGH www.bidnetdirect.com//cityofdelraybeach

END OF SECTION 10

8.C Evidence of Insurance

ACORD		HBCENGL-01		CGIBBON																																				
CERTIFICATE OF LIABILITY INSURANCE																																								
DATE (MM/DD/YYYY): 2/21/2024																																								
<p>THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.</p> <p>IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. IF SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).</p>																																								
<p>PRODUCER Ames & Gough 8300 Greensboro Drive Suite 980 McLean, VA 22102</p>		<p>CONTACT PHONE, ext. (703) 827-2277 FAX (703) 827-2279 EMAIL admin@amesgough.com</p>																																						
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<p>COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:</p> <p>THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.</p>																																								
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ACORD		HBCENGL-01		CGIBBON																																				
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