

RFQ-354-26-WV

CITY OF HOLLYWOOD



Professional Engineering Design Services for Various Locations/Gracewood Neighborhood LAP Project

November 13, 2025

HBC





FOR MORE INFORMATION:

Hernan Lugo, MS, PE, CFM

Project Manager

HBC Engineering Company

(956) 648-9799

hlugo@hbcengineeringco.com

proposals@hbcengineeringco.com

HBC Engineering Company

5200 NW 33rd Avenue, Suite 211,

Fort Lauderdale, FL 33309

(305) 232-7932

proposals@hbcengineeringco.com



Table of Contents

Tab B.	pg. 04
Executive Summary	
Tab C.	pg. 12
Firms Qualifications & Experience	
Tab D.	pg. 28
Organizational Profile and Project Team Qualifications	
Tab E.	pg. 41
Approach to Scope of Work	
Tab F.	pg. 79
References	
Tab G.	pg. 89
Financial Resources	
Tab H.	pg. 91
Legal Proceedings and Performance	
Tab I.	pg. 93
Required Forms/Exhibits (FDOT Forms)	
Tab J.	pg. 108
Attachments	
Appendix A.	pg. 111
Resumes	
Appendix B.	pg. 200
Professional Licenses	
Appendix C.	pg. 226
Project Descriptions	



Tab B

Executive Summary

B. EXECUTIVE SUMMARY

Each Proposer must submit an executive summary that identifies the business entity, its background, main office(s), and office location that will service this contract. Identify the officers, principals, supervisory staff and key individuals who will be directly involved with the work and their office locations. The executive summary should also summarize the key elements of the SOQ.

HBC Engineering Company (HBC) is pleased to submit our qualifications in response to **RFQ-354-26-WV for Professional Engineering Design Services – Various Locations / Gracewood Neighborhood LAP Project for the City of Hollywood**. We recognize the importance of this federally funded Local Agency Program (LAP) project in providing safe, ADA-compliant pedestrian infrastructure and enhancing connectivity within the Gracewood neighborhood. Our team brings extensive experience in FDOT LAP design compliance, sidewalk and curb ramp design, and multimodal **Complete Streets** improvements. Leveraging our successful delivery of similar federally funded projects, HBC is fully prepared to serve as a responsive and responsible partner to the City in advancing safety, mobility, and accessibility for the Gracewood community.

HBC is prequalified by the Florida Department of Transportation (FDOT) in Work Type **3.1 – Minor Highway Design and 7.1 – Signing, Pavement Marking and Channelization**. To support the surveying needs, **GPI Geospatial, Inc. (GPI)** will supplement our team with FDOT prequalification in Work Type **8.2 – Design, Right of Way & Construction Surveying**.

GPI is a subsidiary of Greenman-Pedersen, Inc., and leading provider of advanced surveying and mapping

services with over 50 years of experience. Licensed in 34 states and headquartered in Orlando, GPI delivers high-precision geospatial solutions using cutting-edge aerial, mobile, and hydrographic technologies. Their team of certified professionals supports transportation, infrastructure, and development projects across the public and private sectors throughout the eastern United States.

HBC and GPI have cultivated a long-standing partnership built on mutual trust, aligned values, and a shared commitment to quality. Over the past decade, our firms have collaborated on a multitude of successful infrastructure and transportation projects across South Florida, including LAP-funded and FDOT-assigned contracts. This trusted relationship is rooted in consistent communication, technical synergy, and a deep understanding of each firm's strengths—allowing us to operate as a seamless, integrated team. Clients can rely on our partnership to deliver accurate, timely, and fully coordinated survey and design deliverables that meet all local and state requirements.

To support the successful delivery of this LAP-funded project, HBC has assembled a specialized team of subconsultants aligned with the City's needs. This team brings targeted expertise to ensure compliance, coordination, and successful project execution.

Firm Background

Founded in 2006, HBC is a Florida-based multidisciplinary engineering consulting firm with over 80 engineers and technicians specializing in planning, design, and construction inspection services for civil, structural, transportation, and water resources-related engineering projects.

HBC has successfully delivered similar services for clients such as Florida Department of Transportation (FDOT), Miami-Dade County Department of Transportation and Public Works (MDC-DTPW), Miami-Dade County Water and Sewer Department (MDC-WASD), PortMiami, Palm Beach County Water Utilities Department (PBC-WUD), Broward County, Florida's Turnpike Enterprise (FTE), Greater Miami Expressway (GMX), and the Puerto Rico Aqueduct and Sewer Authority (PRASA) including a LAP funded FDOT project in the City of Hollywood providing 7.5 miles of new sidewalk.

HBC is certified as a DBE, MBE, and SBE.

Main Office(s) and Service Location

HBC is headquartered at 9675 NW 117th Avenue, Suite 305, Miami, FL 33178. We operate multiple regional offices across South Florida, including our Broward County branch located at **5200 NW 33rd Avenue, Suite 211, Fort Lauderdale, FL 33309**. This Fort Lauderdale office will serve as the primary location for the Gracewood Neighborhood LAP Project. Located just **minutes from Hollywood City Hall**, the office ensures direct accessibility to the project site, allowing for efficient coordination with City staff, rapid mobilization, and timely response throughout the project lifecycle.

Officers and Principals of the Firm

Officers:

- Adebayo Coker, PE – Principal-in-Charge
- Edgar Diaz, MS, PE, PSM – Vice President
- Happiness Coker – Assistant Treasurer

Principals:

- Hernan Lugo, MS, PE, CFM
- Jose Lopez, PE
- Orlando Penate, PE, EE, IMSA II
- Fernando Craveiro de Sa, PhD

Firm Expertise

HBC Engineering Company (HBC) has extensive experience delivering LAP-funded sidewalk and pedestrian infrastructure projects that meet FDOT and City of Hollywood standards. Our team has successfully completed federally funded **Complete Streets** and pedestrian connectivity improvements for municipalities across South Florida, combining technical precision with a deep understanding of LAP documentation, NEPA compliance, and FDOT coordination. HBC's portfolio includes ADA-compliant corridor enhancements featuring pedestrian-scale lighting, context-sensitive streetscapes, and integrated multimodal facilities that promote safety, accessibility, and connectivity. We deliver these improvements efficiently and in full regulatory compliance, helping local agencies achieve their mobility and resilience goals through sustainable, buildable infrastructure design.



We have recently completed **over 30 Complete Streets** projects in South Florida.

We are highly familiar with the procedural and technical requirements associated with **LAP projects**—from early coordination and NEPA compliance to utility conflict resolution, milestone submittals, and reimbursement documentation. HBC uses internal LAP checklists, QA/QC protocols, and detailed schedule controls to ensure alignment with FDOT District expectations and federal eligibility standards.

Selected Experience



Hollywood Gardens Sidewalk Project – Broward MPO CSLIP Program: HBC provided engineering design for a network of sidewalks and bicycle facilities within the “Hollywood Big X” neighborhood. The project included utility coordination, drainage adjustments, ADA-compliant crossings, and intersection lighting upgrades.



Johnson Street Complete Streets PD&E Study – City of Hollywood: HBC is leading this LAP-funded PD&E study to improve pedestrian and multimodal infrastructure along Johnson Street. The scope includes sidewalk connectivity, transit stop integration, ADA compliance, and the development of a comprehensive drainage system—all within the existing ROW.



SR-7/US-441 Transit Corridor Improvements – FDOT District 4: HBC is serving as the design lead for pedestrian and shared-use path enhancements along SR-7/US-441 between Orange Drive and NW 31st Avenue. This LAP project includes new sidewalks, ADA ramps, pedestrian signal upgrades, enhanced lighting, and landscape improvements.



Cherry Road Pedestrian & Sidewalk Improvements – Palm Beach County: HBC provided CEI services for this LAP-funded project, which included new sidewalk construction on both sides of the corridor, roadway widening, pedestrian lighting, ADA ramps, and pavement resurfacing.

Subconsultant Team

To ensure a fully integrated and technically capable project team, HBC has assembled six specialized subconsultants with direct experience in LAP-funded and FDOT-compliant infrastructure projects:

GPI Geospatial, Inc. (GPI)

GPI will provide topographic and boundary surveys using advanced LiDAR, photogrammetry, and mobile mapping. Their precision and responsiveness will support early design accuracy and FDOT submittal requirements.

Janus Research, Inc. (JAN)

As cultural resource specialists, JAN will manage

all required Section 106 documentation and SHPO coordination. Their deep familiarity with FDOT's Programmatic Agreement ensures timely, compliant cultural assessments.

KCI Technologies, Inc. (KCI)

KCI brings landscaping, roadway lighting, and utility coordination expertise. Their Florida-based team will support design integration and schedule adherence for beautification and electrical elements.

Media Relations Group, LLC (MRG)

A woman-owned public involvement firm with LAP and Broward County experience, MRG will lead stakeholder outreach and engagement, ensuring transparent and inclusive community communication throughout the project.

Pacifica Engineering Services, LLC (PES)

A DBE/SBE/MBE geotechnical engineering firm, PES will support permitting, foundation assessments, and construction-phase readiness with regionally based technical staff.

Resource Environmental Solutions, LLC (RES)

RES will lead NEPA and environmental permitting, leveraging strong agency relationships and expertise in ecological assessments to support smooth environmental clearance and regulatory compliance.

Together, these firms provide targeted support across surveying, environmental review, public engagement, utility coordination, and technical design—bolstering HBC's ability to deliver a timely, high-quality, and LAP-compliant sidewalk improvement project for the City of Hollywood.

Key Personnel



HBC Project Manager:
Hernan Lugo, MS, PE, CFM
– A Trusted Leader in LAP & Sidewalk Design

HBC proposes **Hernan Lugo, MS, PE, CFM**, as Project

Manager. Hernan brings 27 years of experience in civil engineering and a proven track record managing LAP-funded and FDOT-reviewed infrastructure projects. His expertise spans sidewalk design, ADA compliance,

drainage improvements, NEPA documentation, cultural resource coordination, and permitting. Notable projects under his leadership include the **SR-7/US-441 Transit Corridor Improvements**, **Hollywood Gardens Sidewalk Project**, and **SR-817/ University Drive from Nova Dr to SR-84**—each requiring coordination with multiple agencies and adherence to LAP and federal funding protocols.

As a licensed PE in Florida and Texas, Certified Floodplain Manager, and Florida Certified Building Contractor, Hernan offers the multidisciplinary perspective needed for this role. His structured, compliance-driven approach ensures timely delivery, accurate documentation, and seamless coordination with City staff, FDOT District 4, subconsultants, and regulatory agencies. Hernan is well-positioned to provide the City of Hollywood with responsive, technically sound leadership for the Sheridan Park LAP Sidewalk Improvements Project.

Team Key Personnel

- **Adebayo Coker, PE** – Principal-in-Charge; PD&E Studies: A 33-year veteran in PD&E and LAP-funded projects, including recent Complete Streets efforts in Hollywood.
- **Jose Lopez, PE** – Highway Design Lead (FDOT 3.1): Expert in roadway design and signalization with 20 years of experience. Jose ensures alignment with FDOT standards and serves as Engineer of Record on minor highway design elements.
- **Frank Paruas, PSM** – Surveying & Mapping Lead (FDOT 8.2): With 24 years of surveying experience, Frank leads topographic, LiDAR, and ROW surveys. His precision ensures accurate base data critical to LAP project documentation and submittals.
- **Claudia Bustamante, MS, PE** – Signing, Pavement Marking, and Channelization Lead (FDOT 7.1): With 21 years of experience, Claudia specializes in signing, pavement marking, and channelization for FDOT Districts 4 and 5.
- **Edgar Diaz, MS, PE, PSM** – Quality Assurance/Quality Control Lead: Over 37 years of experience in QA/QC for public infrastructure projects across South Florida.

This core team will be supported by specialists covering all required disciplines, including environmental science and NEPA permitting (**Mark Clark, MS, CEP**), cultural resource assessments (**Kenneth Hardin, MA**), ADA compliance (**Hernan Lugo, MS, PE, CFM**), LAP documentation and constructability reviews (**Christopher Soto, PE, RSO**), GIS mapping (**Julia Beliz, EI**), and MOT planning (**Teodoro Tefel, PE**)—ensuring full alignment with **FDOT Work Types 3.1, 7.1, and 8.2**.

The table below provides a comprehensive list of the staff involved on this contract and their office location.

TABLE 01: Staff List with Availability and Office Location

Staff Name	Firm	Role	Avail. %	Office Location
Adebayo Coker, PE	HBC	Principal in Charge / PD&E Studies	80%	Ft. Lauderdale, FL
Hernan Lugo, MS, PE, CFM	HBC	Project Manager / PD&E Studies/ Drainage / ADA Compliance	100%	Ft. Lauderdale, FL
Edgar Diaz, MS, PE, PSM	HBC	Quality Assurance / Quality Control	80%	Ft. Lauderdale, FL
Jose Lopez, PE	HBC	Minor Highway Design	80%	Ft. Lauderdale, FL
Osmin Ocon, EI	HBC	Minor Highway Design/ Signalization Engineering	90%	Ft. Lauderdale, FL
Alexander Tzenkov, EI	HBC	Minor Highway Design	90%	Ft. Lauderdale, FL
Claudia Bustamante, MS, PE	HBC	Civil, S&PM and Channelization	80%	Ft. Lauderdale, FL
Ynaja Juste, EI	HBC	Civil, S&PM and Channelization	90%	Ft. Lauderdale, FL
Juan J. Flores, PhD, AICP	HBC	Transit and Transportation Planning	80%	Ft. Lauderdale, FL
Moatz Saad, PhD, PE, PTOE, IMSA II	HBC	Transit and Transportation / Planning Traffic Engineering & Safety Studies	80%	Ft. Lauderdale, FL
Gonzalo Barrera, PE	HBC	Signalization Engineering	90%	Ft. Lauderdale, FL

Staff Summary

TABLE 01: Staff List with Availability and Office Location

Staff Name	Firm	Role	Avail. %	Office Location
Orlando Penate, PE, EE, IMSA II	HBC	Lighting & Electrical Engineering	80%	Ft. Lauderdale, FL
Maikel Fiallo, PE	HBC	Lighting & Electrical Engineering	90%	Ft. Lauderdale, FL
Jeremy Braithwaite, IMSA II	HBC	Traffic Engineering & Safety Studies	90%	Ft. Lauderdale, FL
Sreelatha Nandivada, MS, PE	HBC	Miscellaneous Structures	80%	Ft. Lauderdale, FL
Bunrith Heng, MS, PE	HBC	Miscellaneous Structures	90%	Ft. Lauderdale, FL
Roberto Rubio, MS, PE	HBC	Miscellaneous Structures	90%	Ft. Lauderdale, FL
Teodoro Tefel, PE	HBC	Maintenance of Traffic (MOT)/ Cost Estimator	80%	Ft. Lauderdale, FL
David Coker, EI	HBC	Maintenance of Traffic (MOT)	90%	Ft. Lauderdale, FL
Christopher Soto, PE, RSO	HBC	LAP Compliance / Constructability Review	100%	Ft. Lauderdale, FL
Sonny Abia, PhD, PE	HBC	Utility Coordination	80%	Ft. Lauderdale, FL
Leandro Vazquez	HBC	Utility Coordination	90%	Ft. Lauderdale, FL
Julia Beliz, EI	HBC	GIS Analyst	80%	Ft. Lauderdale, FL
Joseph Williams	HBC	Cost Estimator	90%	Ft. Lauderdale, FL
Melannie Gomez	HBC	Public Involvement	90%	Ft. Lauderdale, FL
Joseph Maceo, EI	HBC	Drainage Engineering	90%	Ft. Lauderdale, FL
Derrek Okosun, EI	HBC	Drainage Engineering	90%	Ft. Lauderdale, FL
Yissell Navarro Sanchez, EI	HBC	Drainage Engineering	90%	Ft. Lauderdale, FL
Eugene Hunter, IMSA I	HBC	Construction Administration	100%	Ft. Lauderdale, FL
Claudia Rodriguez, PE, IMSA I	HBC	Construction Administration	100%	Ft. Lauderdale, FL
Rodolfo Caceres, PE, IMSA I	HBC	Construction Administration	100%	Ft. Lauderdale, FL
John Snyder III	HBC	Construction Administration	100%	Ft. Lauderdale, FL
Mark Clark, MS, CEP	RES	Environmental and Permitting	80%	Hollywood, FL
Mechelle L. Kerns, Ph.D., PMP, RPA	RES	Environmental and Permitting	90%	Hollywood, FL
Kenneth Hardin	JAN	Cultural Resource Assessment Surveys	60%	Tampa, FL
James Pepe	JAN	Cultural Resource Assessment Surveys	80%	Tampa, FL
Amy Strelman	JAN	Cultural Resource Assessment Surveys	90%	Tampa, FL
Wesley C. Foster, PE, SI, MBA	PAC	Geotechnical Engineering	75%	Doral, FL
Reinaldo Villa, MS, PE	PAC	Geotechnical Engineering	90%	Doral, FL
Frank Paruas, PSM	GPI	Surveying and Mapping	80%	Doral, FL
Saul Brand, PSM	GPI	Surveying and Mapping	90%	Doral, FL
Todd Mohler, RLA, ISA, IA	KCI	Landscape Architecture	75%	Ft. Lauderdale, FL
Kirk Hoosac, RLA	KCI	Landscape Architecture	75%	Ft. Lauderdale, FL
Paulette Summers	MRG	Public Involvement	80%	Ft. Lauderdale, FL

Understanding and Execution Strategy

The City of Hollywood seeks to enhance neighborhood safety, mobility, and ADA accessibility within the **Gracewood neighborhood through LAP-funded sidewalk improvements**. The project focuses on filling sidewalk gaps, designing new five-foot-wide concrete sidewalks with curb ramps, and ensuring compliance with FDOT LAP standards and federal documentation requirements. Additional objectives include managing drainage and grading impacts, coordinating utilities, and delivering sustainable, constructible pedestrian infrastructure.

HBC brings a clear understanding of these objectives, backed by our successful delivery of the 7.5-mile **Hollywood Gardens Sidewalk LAP Project** under similar regulatory and site conditions. Our team's familiarity with the City's neighborhoods, LAP documentation, and FDOT District 4 protocols allows us to deliver a design that is not only technically sound but also embraced by the community it serves.



Approach to the Project

HBC offers a proven, locally informed approach tailored to the City of Hollywood's LAP-funded sidewalk goals. Our process begins with parcel-level assessments and 3D LiDAR surveys to identify site constraints and utility conflicts early—ensuring constructible, ADA-compliant solutions. The design incorporates drainage improvements, tree preservation, and strategic sidewalk alignment to address ROW and landscaping challenges.

We manage NEPA and CRAS documentation, permitting, and stakeholder coordination with SHPO, FDEP, FDOT, and Broward County, while embedding public engagement through bilingual outreach and resident coordination. By aligning with FDOT's LAP milestone schedule and applying rigorous QA/QC at every phase, we ensure timely delivery and full

compliance. Our team also prepares for construction with MOT plans, encroachment mitigation, and seamless transition support through project closeout.

Commitment to the City of Hollywood

HBC is committed to delivering a high-quality, federally compliant sidewalk improvement project that meets the City of Hollywood's goals for safety, accessibility, and community enhancement. Our team will ensure seamless coordination with City staff, FDOT District 4, and local stakeholders, supported by clear communication and a structured project management approach. By proactively addressing permitting, utility conflicts, and public concerns, we will minimize disruptions and maintain schedule integrity. Through accountability, precision, and local knowledge, HBC is dedicated to providing durable, context-sensitive infrastructure that brings long-term value to the residents of Sheridan Park and Hollywood Acres. Delivering LAP-Certified Design Excellence from Concept Through Construction

HBC's specialized expertise in delivering LAP-funded pedestrian and multimodal infrastructure projects positions us to bring lasting value to the City of Hollywood through the Sheridan Park Improvements. Our proven approach focuses on four core success factors that will guide our team from project kickoff through construction: **Design Efficiency, Reliable Delivery, Value-Added Solutions**, and our **Proven Partnership with the City**.

Design Efficiency

As a multidisciplinary team with a strong foundation in FDOT-compliant sidewalk design and LAP documentation, we offer tailored design capabilities for municipal infrastructure ranging from sidewalk and trail construction to ADA improvements, drainage enhancements, and signing and pavement markings. Our team understands the importance of designing facilities that are not only compliant but safe, accessible, and context-sensitive to the neighborhood character of Sheridan Park. All design efforts will meet federal, state, and local criteria while also reflecting the City's Complete Streets values.

Reliable Delivery

Our LAP-experienced staff has successfully delivered similar federally funded projects under constrained



timelines and regulatory oversight. Our engineers and environmental professionals are familiar with FDOT's Phase Submittal process and LAP requirements, including NEPA documentation and cultural resource coordination. We will maintain consistent communication with the City and FDOT District 4 to ensure timely submittals, approvals, and support through construction. This project is a top priority and will be managed by a team already familiar with similar City of Hollywood efforts.

Value-Added Solutions

Over the years, we have supported dozens of municipalities in South Florida—including Hollywood, Pembroke Pines, and Fort Lauderdale—on projects involving sidewalk design, public engagement, NEPA documentation, utility coordination, and construction-phase support. This familiarity helps us anticipate permitting needs, resolve utility conflicts early, and tailor our design to reduce downstream changes. We aim to deliver a design that is not only LAP-compliant but also ready for construction with minimal risk.

Why HBC?

- We understand the LAP process and the specific documentation, environmental, and design elements required for this contract.
- We have successfully completed sidewalk improvement and trail projects with FDOT and South Florida municipalities, many under federal funding programs.
- Our design team includes LAP-certified professionals with a track record of on-time, budget-sensitive delivery.
- Our firm has longstanding relationships with both the City of Hollywood and FDOT District 4.
- Our project team is well-versed in ADA, MOT, utility coordination, and community-focused design principles.
- We are committed to exceeding the City's Small Business Enterprise (SBE) participation goals.
- Our team structure and staff availability ensure immediate responsiveness and consistent support throughout the life of the project.



Tab C

Firm Qualifications & Experience

C. FIRM QUALIFICATIONS & EXPERIENCE

Respondents are to submit a complete information and documentation that demonstrates their ability to satisfy all of the minimum qualifications and scope of service requirements. Indicate the firm's number of years of experience in providing the professional services as it relates to the work contemplated. Provide details of past projects for agencies of similar size and scope, including information on your firm's ability to meet time requirements. Indicate business structure, IE: Corp., Partnership, and LLC. Firm should be registered as a legal entity in the State of Florida; Company address, phone number, fax number, E-Mail address, web site, contact person(s), etc. Relative size of the firm, including management, technical and support staff; licenses and any other pertinent information shall be submitted.

Consultant shall submit proof of experience for a minimum of three (3) projects of similar scope and scale (or larger) and shall, identify location; dates of construction; project name and overall scope; scope of work that was self-performed by Consultant; and client's name, address, telephone number and e-mail address.

Firm Overview

HBC Engineering Company (HBC) is a Florida-based, multidisciplinary engineering consulting firm offering a comprehensive range of planning, design, and construction inspection services tailored to civil, structural, transportation, and water resources engineering projects. Established in 2006, HBC has consistently catered to municipalities and private-sector clients across Florida, delivering reliable, innovative, and expedited solutions for complex infrastructure needs.

Over nearly two decades, HBC has built a strong reputation for excellence in transportation planning, roadway and sidewalk design, traffic engineering, structural design, and water/wastewater engineering. Our team includes specialists with extensive local experience and familiarity with Florida's unique regulatory landscape. Our focus on high-quality, efficient project delivery has enabled us to meet stringent schedules driven by regulatory agencies, funding cycles, and client timelines.

Our team includes individuals who have worked extensively in Miami-Dade, Broward, and Palm Beach Counties with multiple public entities, including Miami-Dade County (MDC) Department of Transportation and Public Works (DTPW), PortMiami, MDC Water and Sewer Department (WASD), Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise (FTE), Homestead Extension of Florida's Turnpike (HEFT), and Greater Miami Expressway (GMX).



Firm Name

HBC Engineering Company

Business Structure

S-Corporation

Date Established

June 15th, 2006

Years in Business

HBC has been in business for **19 years** under the same name and ownership, providing reliable and comprehensive engineering services to both public and private clients throughout Florida.

State of Registration

Florida



As a minority-owned, certified DBE, MBE, and SBE firm, we are also committed to promoting diversity within the engineering profession. HBC maintains additional certifications as SBE in Palm Beach County and SBE A/E & G/S, and LDB in Miami-Dade County, further reinforcing our standing as a trusted local partner for public agencies and private clients alike.

Our team's collective expertise spans a variety of disciplines, including transportation engineering, traffic operations, complete streets design, environmental permitting, and construction engineering inspection (CEI). Additionally, HBC has completed numerous successful projects involving roadway, sidewalk, and park design, stormwater management, landscape architecture, and transit planning, with consistently high client satisfaction ratings. This breadth of in-house capabilities allows us to offer a seamless, integrated approach to every project.

One of the qualities that sets HBC apart is our dedication to providing both the resources of a well-established firm and the personalized attention of a focused, client-centered team. Our minority-owned status and local roots further distinguish us, enabling HBC to deliver cost-effective, innovative engineering solutions, while fostering meaningful community relationships.

Refer to **Appendix B** for HBC's registration.

Professional License

Florida Professional Engineering Certificate of Authorization No. 27160

Refer to **Appendix B** for HBC's Licensure.

Company Contact Information

proposals@hbcengineeringco.com
Main: (305) 232-7932 | Fax: (305) 232-7933
Website: www.hbcengineeringco.com

Headquarters

9675 NW 117th Avenue, Suite 305,
Miami, FL 33178

Branch Office Locations

Fort Lauderdale

5200 NW 33rd Avenue
Suite 211
Fort Lauderdale, FL 33309

Boca Raton

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

Maitland

2700 Westhall Lane
Suite 225
Maitland, FL 32751

Subsidiaries/Affiliates

HBC operates HBC Engineering, PSC, based in San Juan, Puerto Rico. Through this office location, we expand our capacity to deliver engineering services.

Primary Point of Contact

Hernan Lugo, MS, PE, CFM
Project Manager
(305) 232-7932
hlugo@hbcengineeringco.com

*Kindly ensure that the following email address is copied on all communications:
proposals@hbcengineeringco.com.*

Complete Streets and Sidewalk Experts

Complete streets design are foundational strengths of HBC's practice. Our team has extensive experience delivering complex transportation and complete streets projects that adhere to FDOT standards and meet the rigorous demands of Florida's evolving infrastructure needs. HBC's engineers are highly skilled in urban and rural roadway design, traffic control, drainage solutions, and complete streets initiatives, allowing us to create safe, functional, and efficient corridors for diverse communities across the state.

HBC is recognized for our commitment to high-quality, buildable designs and our proactive approach to project management. Our expertise extends to all aspects of complete streets design such as roadway engineering, including traffic analysis, multimodal planning, utility coordination, and regulatory compliance. By leveraging our in-depth knowledge of FDOT protocols and requirements, we streamline the permitting process and maintain strong relationships with regulatory agencies, ensuring smooth project execution.

Our client-focused approach and dedication to technical excellence allow us to deliver resilient and cost-effective infrastructure solutions. HBC's designs prioritize the safety of motorists, pedestrians, and cyclists alike, incorporating innovative features that enhance usability and sustainability. Clients benefit from our ability to manage complex projects from initial design through construction, consistently delivering on time and within budget while meeting the highest standards of quality.

Commitment to Safety

Safety is at the core of HBC's approach to roadway and sidewalk design, with particular attention given to pedestrian crossings, which are critical for protecting those on foot. We develop a range of crossing solutions aimed at maximizing visibility and safety, including raised crosswalks, midblock crossings, and strategic signage. To enhance safety further, we utilize advanced features such as flashing beacons and LED-lit signs, all designed in full compliance with national standards.

In addition, HBC has experience in designing pedestrian-friendly, curbless streetscapes that foster safer, shared spaces for both pedestrians

and vehicles. Our commitment to incorporating innovative safety measures ensures that each project contributes to a more secure, accessible transportation environment for all users.



LAP and Federal & State-Funded Projects Experience

HBC applies a proven, compliance-driven approach to Local Agency Program (LAP) projects. With extensive experience delivering federally funded infrastructure, we understand the documentation, permitting, and coordination requirements necessary to meet FDOT and FHWA standards.

Our approach begins with early coordination with the City, FDOT District LAP staff, and utility agencies. We implement internal LAP checklists to manage milestone submittals, documentation protocols, and eligibility for federal reimbursement. Throughout the project, we emphasize:

- Early stakeholder alignment and scoping
- Timely submittals and documentation accuracy
- Integrated utility and permitting coordination
- Compliance with federal environmental and ADA requirements



Christopher Soto, PE, RSO, will serve as our **LAP Compliance Specialist**. He supports coordination with FDOT and ensures all reporting, invoicing, and audit documentation align with federal requirements.

Team Capabilities

With a team of over 322 engineers and technical professionals, the HBC team is well-equipped to support the City of Hollywood with scalable, multidisciplinary services tailored to LAP-funded infrastructure. Our staff is ready to act as an extension of the City's staff, offering integrated support across all phases of delivery.

 <p>99 Licensed Professionals</p>	 <p>215 Technical Staff</p>	 <p>8 Support Staff</p>
---	---	---

Comprehensive Discipline Coverage

For the Gracewood Neighborhood LAP Improvements, our team includes professionals in the FDOT required disciplines:

- ✓ **3.1 – Minor Highway Design (HBC)**
- ✓ **7.1 – Signing, Pavement Marking and Channelization (HBC)**
- ✓ **8.2 – Design, Right of Way & Construction Surveying (GPI)**

It also includes specialist in the following categories:

- **Civil Engineering** – Lead for sidewalk and roadway design, including ADA accessibility (HBC)
- **ADA Compliance** – Ensuring pedestrian elements meet ADA standards (HBC)
- **LAP Compliance** – Overseeing documentation, reimbursement, and FDOT coordination to meet federal funding requirements (HBC)
- **Permit Coordinator** – Managing local and FDEP permitting (RES)
- **Environmental Science** – Responsible for NEPA evaluations and environmental reviews (RES)
- **Cultural Resource Specialist** – To perform CRAS and coordinate with SHPO (JAN)
- **Landscape Architect** – Supporting streetscape enhancements and context-sensitive beautification (KCI)
- **Transit and Transportation Planning** – Supporting multimodal integration and Complete Streets compliance (HBC)
- **Traffic Engineer** – To assess pedestrian flow and impacts at intersections and driveways (HBC)
- **Utility Coordinator** – To resolve underground and overhead utility conflicts during design (HBC)

- **Miscellaneous Structures Engineer** – To address any non-standard structural elements (HBC)
- **Cost Estimator** – For quantity takeoffs and construction cost estimation (HBC)
- **Construction Administration Engineer** – To assist with RFIs, plan updates, and construction support (HBC)
- **Constructability Reviewer** – To evaluate design elements for constructability, risk mitigation, and construction-phase clarity (HBC)
- **Public Involvement Specialist** – To assist with neighborhood and stakeholder engagement (MRG, HBC)
- **GIS Analyst** – For integrating survey, utility, and environmental data (HBC)
- **Geotechnical Engineer** – Available for subsurface investigation, if needed (PES)

This multidisciplinary team ensures full support across technical, regulatory, and stakeholder needs—equipping the City of Hollywood with the expertise and capacity to deliver a timely, high-quality, and compliant LAP project from concept to construction.

Ability to Meet Deadlines

HBC has a strong record of delivering LAP, FDOT, and municipal projects on time and within budget. Our project management approach—built on clear scope definition, milestone-driven schedules, and proactive resource planning—ensures we consistently meet client expectations.

We pursue only projects we are fully prepared to deliver. Our team effectively manages concurrent assignments and tight schedules without compromising quality. This disciplined approach ensures we consistently meet deadlines on federally funded and locally administered projects across South Florida.

For the Gracewood Neighborhood LAP Improvements, the City of Hollywood can count on HBC's commitment to responsive service, schedule adherence, and the timely delivery of all project components.



HBC TEAM AWARDS & RECOGNITIONS

Miami-Dade County

Proclamation – HBC Engineering Day, October 22, 2025

American Council of Engineering Companies(ACEC)

2023 Outstanding Project Award- Venetian Causeway Improvements Bridges PD&E Study

American Society of Civil Engineers (ASCE)

2024 Engineer of the Year Award - Claudia Bustamante
 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

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

The Intelligent Transportation Society of Florida

2024 Outstanding Achievement Award - Daniel Rodriguez

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

2020 Certificate of Appreciation - Bronze Sponsor of the 7th Annual District 1 Black Heritage Festival
 2019 Certificate of Appreciation - Platinum Sponsor of the 6th Annual District 1 Black Heritage Festival

Nigerian Women Association of Georgia (NWAG)

2023 Sponsor Award

HBC is engineering progress with purpose, precision in motion, built on trust and vision.

Why These Awards Matter

Each award reaffirms our dedication to technical excellence, value-driven solutions, and collaborative relationships. They serve as milestones on our mission to serve clients with integrity and impact.

Let's build something award-winning—together.

Relevant Experience and Past Performance

Within our 19 years of experience providing professional engineering design services, HBC has successfully managed numerous Local Agency Program (LAP) projects and delivered a broad range of municipal roadway improvements—including Complete Streets initiatives, arterial corridor upgrades, and multimodal transportation projects throughout South Florida. We consistently provide infrastructure solutions that meet community needs while adhering to all regulatory requirements.

Three relevant projects that showcase our capabilities are:



Hollywood Gardens Sidewalk Project



SR 7/US 441 Transit Corridor Improvements



SR-820/Pines Boulevard Lighting Design

Our work emphasizes significant contributions to municipal Complete Streets and LAP-funded sidewalk initiatives that advance pedestrian and cyclist connectivity. These projects integrate ADA-compliant sidewalk design, drainage coordination, utility adjustments, pedestrian safety enhancements, and lighting improvements—core elements of the City’s Gracewood Neighborhood objectives. Through collaboration with FDOT, Broward County, and multiple municipalities, HBC consistently delivers context-sensitive, federally compliant infrastructure that strengthens neighborhood mobility, accessibility, and resilience.

TABLE 02: HBC’s Complete Streets, Sidewalk, and LAP Project Experience highlights our relevant work with FDOT and Florida municipalities on LAP-funded and Sidewalk/Complete Streets projects, demonstrating our ability to meet deadlines and deliver high-quality results.

TABLE 02: HBC’S Complete Streets, Sidewalk, and LAP Project Experience

Project	Client	S/CS	LAP
PD&E Study at Johnson Street from North 30th Road to North Dixie Highway	City of Hollywood	✓	✓
Beach Corridor Rapid Transit (Miami Connector) PD&E Study	Miami-Dade DTPW		✓
NE Corridor FTA Categorical Exclusion Traffic Analysis	Miami-Dade DTPW		✓
Hollywood Gardens Sidewalk Complete Streets Project	FDOT District 4	✓	✓
Widening of SW 30th Avenue from Griffin Road to SW 45th Street	FDOT District 4	✓	✓

S/CS: Sidewalk/Complete Streets
 LAP: Local Agency Program

TABLE 02: HBC'S Complete Streets, Sidewalk, and LAP Project Experience

Project	Client	S/CS	LAP
SR-858 Hallandale Beach Boulevard from SR-7 to Lakeshore Drive	FDOT District 4	✓	
The Hammocks Signage Project	HCA	✓	
SR 7/NW 7th Ave Safety Improvement,	FDOT District 6	✓	
SW 147th Ave/Tree Island Park Rehabilitation,	MDC-DTPW	✓	
SR 7/US 441 Transit Corridor Improvements	FDOT District 4	✓	✓
Lighting Design for SR-820/Pines Boulevard from West of SW 136th Avenue to East of NW 118th Avenue	FDOT District 4	✓	
Design-Build Services for The Underline - Phase II	Miami-Dade DTPW	✓	
Corridor Improvements at SR-817/University Drive from Nova Drive to SR-84	FDOT District 4	✓	
Safe Routes to School	MDCPS	✓	✓
Lighting Photometric Analysis at Boynton Beach Blvd / SR 804 from SR7 to Turnpike	Palm Beach County	✓	✓
Okeechobee Blvd: Turnpike to Military – Palm Beach County	Palm Beach County	✓	✓
Lighting Photometric Analysis at SR 806 / Atlantic Avenue from Turnpike to Military Trail	Palm Beach County	✓	✓
Lighting Photometric Analysis at SR-809/Military Trail from Wadita Ka Way to Okeechobee Boulevard	Palm Beach County	✓	✓
Lighting Photometric Analysis at Boynton Beach Blvd / SR 804 from SR7 to Turnpike	Palm Beach County	✓	✓
Lighting Photometric Analysis at Military Trail from Lake Worth Road to Okeechobee Boulevard	Palm Beach County	✓	✓
Military Trail from Lake Worth Rd to Clint Moore Rd	Palm Beach County	✓	✓
Military Tr (SR 809) - CSA #2023825-103	Palm Beach County	✓	✓
Okeechobee Blvd - CSA#3_2022825-004	Palm Beach County	✓	✓
Okeechobee Boulevard (SR 704) (SR 7 to Turnpike)Lighting Photometric Analysis	Palm Beach County	✓	✓
Palm Beach Lakes Boulevard over Florida East Coast (FEC) Railroad, bridge widening and rehabilitation	Palm Beach County	✓	✓
Seminole Blvd from Oswego Ave to Okeechobee Blvd, Multi-Use Trail & Pedestrian Lighting Project	Palm Beach County	✓	✓
SR 7 North of Glades Rd to C-39 just north of Clint Moore Rd – Palm Beach County	Palm Beach County	✓	✓
Widening of Boca Rio Road from Palmetto Park Road to Glades Road	Palm Beach County	✓	✓
Venetian Causeway Lighting Design	FDOT District 6		✓
CEI Services along SR-804/Boynton Beach Boulevard	FDOT District 4	✓	
CEI Services for Belvedere Heights Phase 1 and Phase 2 Sidewalks and Streetlights	Palm Beach County	✓	✓
CEI Services for Seminole Boulevard Multi-Use Trail and Pedestrian Lighting Project	Palm Beach County	✓	✓
CEI Services for Wabasso Drive over LWDD L-2 Canal Bridge Replacement Project	Palm Beach County	✓	✓
CEI Services for Cherry Road from Military Trail to Quail Drive	Palm Beach County	✓	✓

S/CS: Sidewalk/Complete Streets

LAP: Local Agency Program



Past Performance

As shown on **Table 03: FDOT Grades History Report** HBC consistently earns excellent performance ratings from FDOT, demonstrating our commitment to quality, regulatory compliance, and client satisfaction on LAP and municipal contracts.

TABLE 03: FDOT Grades History Report

Work Group	Description	Average
Group 2	Project Development Environmental (PDE) Studies	4.1
Group 3	Minor and Major Highway Design	3.9
Group 6	Traffic and ITS Engineering and Studies	4.1
Group 10	Construction Engineering and Inspections (CEI)	3.6

PROJECT SUMMARY



Hollywood Gardens Sidewalk Complete Streets Project | Florida Department of Transportation (FDOT) District 4

HBC provided design services for a Broward MPO-funded Complete Streets project in the Hollywood Gardens Beach area, bounded by Hollywood Boulevard, Johnson Street, SR-7/US-441, and 56th Avenue. The project enhanced multimodal connectivity, safety, and ADA compliance through new sidewalks, shared bicycle lanes, drainage improvements, and lighting upgrades. HBC prepared full construction documents, including roadway, drainage, and traffic control plans, and coordinated with utilities and permitting agencies. The design addressed driveway and landscaping conflicts, right-of-way constraints, and incorporated sustainable drainage features such as bioswales and French drains to create a safe, accessible, and connected neighborhood corridor.



PD&E Study at Johnson Street from North 30th Road to North Dixie Highway | City of Hollywood

Funded by Broward County's "Penny for Transportation" initiative, this Project Development and Environment (PD&E) study focuses on transforming Johnson Street in Hollywood into a safer, multimodal corridor. As a Complete Streets project, it enhances safety and mobility through new sidewalks, bicycle lanes, traffic-calming elements, upgraded lighting, and drainage improvements. HBC is leading the evaluation of design alternatives, reconstructing a two-lane roadway with a center turn lane, and adding transit stops within the existing right-of-way. The scope includes traffic analysis, topographic survey, public involvement, and concept plan development. The project aims to reduce congestion, support sustainability, and strengthen community connectivity by improving accessibility for all users.



SR-858/Hallandale Beach Boulevard from SR-7/ US-441 to Lakeshore Drive | Florida Department of Transportation (FDOT) District 4

HBC served as prime consultant to FDOT for the 1.94-mile Resurfacing, Restoration, and Rehabilitation (RRR) project along SR-858/Hallandale Beach Boulevard from SR-7/US-441 to Lakeshore Drive. The firm developed the master plan, design criteria package, and construction documents in full compliance with FDOT standards. The scope included milling and resurfacing, ADA sidewalk and ramp upgrades, new 5-foot bicycle lanes, and drainage improvements to resolve ponding and restore grass swales. HBC also prepared signing, pavement marking, and signalization plans, coordinating with utilities and FDOT District 4 to ensure safety, constructability, and compliance throughout the corridor.



SR 7/US 441 Transit Corridor Improvements | Florida Department of Transportation (FDOT) District 4

HBC provided professional engineering design services to enhance multimodal safety and mobility along SR-7/US-441 under multiple task work orders. The project improved pedestrian, bicycle, and transit access through sidewalk reconstruction, new shared-use paths, ADA upgrades, lighting, and drainage improvements. HBC developed construction documents, roadway and drainage reviews, signing and pavement marking, and coordinated utilities and permitting. Key tasks included intersection upgrades, signalized pedestrian crossings, and shared-use paths connecting