

Widening of SW 30th Avenue from Griffin Road to SW 45th Street

Florida Department of Transportation (FDOT) District 4



HBC delivered design services for the widening of SW 30th Avenue, increasing its capacity from two lanes to four lanes between Griffin Road and SW 45th Street. The project also included new signing and pavement markings from SW 45th Street to 42nd Street. As a Broward County-operated facility, SW 30th Avenue will remain under County maintenance upon project completion.

This project was designed to enhance roadway safety, improve operational efficiency, and extend the service life of the corridor. The scope of work encompassed critical upgrades such as new bike lanes, filling sidewalk gaps, addressing ADA compliance, modernizing lighting systems, upgrading drainage infrastructure, retrofitting traffic signals, implementing new signage and pavement markings, and adding landscaping.

To meet the project's goals, HBC's team delivered a comprehensive suite of design services, including:

- **Initial Coordination:** Conducted field reviews and a kickoff meeting with FDOT's Project Manager and key stakeholders to establish the project scope.
- **Community Engagement:** Developed and submitted a Community Awareness Plan (CAP) to inform and involve the public.

Location

Dania Beach, FL

Dates

2013 - 2017

Budget

HBC Fee: \$637K

Reference

Henry Oaikhena, PE

(954) 777-4445

Henry.Oaikhena@dot.state.fl.us

3400 W Commercial Blvd, Fort Lauderdale, FL 33309

Brent Lee Shue Ling

(954) 777-4075

brent.lee-shue-ling@dot.state.fl.us

3400 W Commercial Blvd, Fort Lauderdale, FL 33309

Key Components

Roadway widening,


- **Utility Coordination:** Managed initial utility contacts, coordinated adjustments, and updated plans to reflect utility mark-ups.
- **Environmental Permitting:** Facilitated environmental permitting to ensure compliance with regulatory requirements.
- **Roadway Design:** Completed roadway analyses and prepared detailed plans.
- **Geotechnical Coordination:** Arranged geotechnical investigations and pavement design efforts.
- **Pavement and Drainage Design:** Prepared pavement designs, typical sections, and design exceptions/variations; developed comprehensive drainage layouts, calculations, and cross-sections.
- **Structural and Lighting Design:** Coordinated structural components and prepared detailed signing, marking, signalization, and lighting plans.
- **Construction Planning:** Produced construction plans at key milestones (60%, 90%, and 100% submittals).
- **Right-of-Way Coordination:** Managed ROW needs, including easements and licensing agreements.

This project was completed on time and on budget.

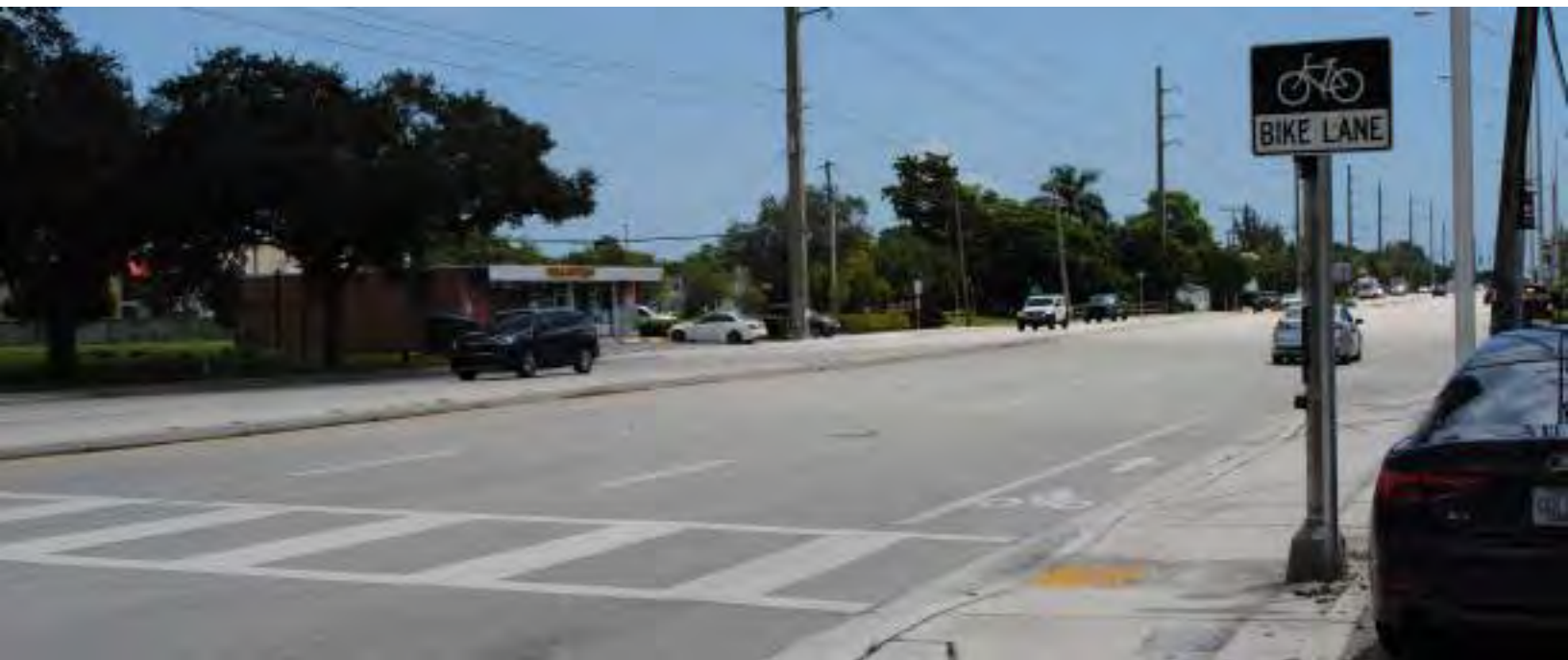
Pavement design, Bike lanes, Sidewalk improvements, ADA compliance, Lighting design, Drainage upgrades, Signalization, Utility coordination, Environmental permitting, Community engagement, Right-of-way coordination, Construction documentation.

Relevance to the Scope

1. Roadway Capacity Expansion
2. Multimodal and ADA Enhancements
3. Comprehensive Utility and Permitting Coordination
4. Detailed Design and Construction Documentation
5. Stakeholder and Public Engagement



Funded by
Local Agency Program (LAP)



Lighting Design for SR-820/Pines Boulevard from West of SW 136th Avenue to East of NW 118th Avenue

Florida Department of Transportation (FDOT) District 4



HBC is providing comprehensive Lighting Design and Post Design Services for the SR-820/Pines Boulevard corridor, spanning from west of SW 136th Avenue to east of NW 118th Avenue. Our goal for this project is to enhance safety and visibility for both pedestrians and drivers by delivering innovative lighting solutions tailored to this busy corridor.

Our services include a detailed Lighting Analysis and the creation of precise Lighting Plan sheets to meet the illumination standards set by the Florida Department of Transportation (FDM). The project will introduce pedestrian-scale lighting along a newly widened 10-foot sidewalk, as well as retrofit existing lighting at key intersections, including NW 142nd Avenue, NW 136th Avenue, SW 129th Avenue, S Flamingo Rd., and NW 118th Avenue, enhancing visibility at these critical crossing points.

Additionally, we will produce a comprehensive Lighting Design Analysis Report, detailing photometric requirements and the specified illumination levels. Our deliverables will feature plan sheets outlining all lighting improvements, pay items, plan notes, and the digital delivery of all documentation. Beyond lighting design, we will address any minor structural design needs, propose new load centers, perform voltage drop calculations, and coordinate closely with utility providers to ensure seamless integration with the existing infrastructure.

Location

Pembroke Pines, FL

Dates

2023 - Ongoing

Reference

Jamie Polidora, PE
(954) 777-4633
jamie.polidora
@dot.state.fl.us
3400 W Commercial Blvd,
Fort Lauderdale, FL 33309

Contract No.

FPID No. 446200-1-32-01

Key Components

Lighting Analysis, Post Design Services, Utility Coordination

Relevance to the Scope

1. Lighting Design and Analysis
2. Pedestrian Safety Enhancements
3. Intersection Retrofits
4. Comprehensive Deliverables Package
5. Utility and Structural Coordination

Design-Build Services for The Underline - Phase II

Miami-Dade County Department of Transportation and Public Works



HBC is providing Project Management for the Design-Build delivery of Phase II of The Underline, a transformative urban trail and public space project spanning 2.4 miles from SW 13th Street to SW 19th Avenue, adjacent to the Vizcaya Metrorail Station. This phase continues the revitalization of underutilized land beneath Miami's Metrorail, integrating multimodal connectivity, public amenities, and environmental enhancements to create a vibrant and safe urban corridor.

HBC's role in the project includes civil engineering, landscape architecture, electrical design, surveying, geotechnical engineering, permitting, and public involvement to ensure seamless execution.

Key elements of the project include:

- Urban Trail & Transportation Enhancements – Dedicated off-street pathways for pedestrians and cyclists, improving mobility and safety.
- Signing & Pavement Markings – Installation of wayfinding signage and regulatory traffic markings meeting MUTCD, FDOT, and ADA compliance.
- Public Space & Landscaping – Addition of street furniture, decorative landscaping, ambient lighting, and recreational areas to enhance the user experience.

Location

Miami, FL

Dates

12/2019 - Ongoing

Budget

HBC Fee: \$32K

Construction Cost: \$20M

Reference

Diego Gonzalez

(305) 615-3272

dgonzalez@Lead-ec.com

701 NW 1st Court, Suite

1700, Miami, FL 33136

Key Components

Urban trail, pedestrian and cyclist pathways, signage, pavement markings, landscaping, lighting, street furniture, environmental compliance, permitting, public involvement, stakeholder coordination.

- Environmental & Archaeological Considerations – Implementation of environmental investigation, remediation, and archaeological monitoring to ensure compliance with regulatory requirements.
- Stakeholder Coordination – Engagement with Miami-Dade County, the City of Miami, utility companies, and community stakeholders to align project goals and facilitate implementation.

The Underline serves as a premier multimodal corridor, fostering pedestrian and cyclist connectivity between Downtown Miami and SW Miami-Dade neighborhoods. As part of Miami-Dade County’s Parks and Open Space Master Plan, this initiative transforms underutilized land into a safe, sustainable, and interactive urban space.

Beyond its functional role, The Underline acts as a cultural and artistic hub, integrating public art installations, event spaces, and recreational areas to encourage community engagement. Through innovative design and environmental consciousness, this project embodies Miami’s commitment to sustainability, mobility, and urban renewal.

With HBC’s leadership in project management and design coordination, Phase II of The Underline will deliver a resilient and accessible public space that enhances quality of life, encourages alternative transportation, and fosters a thriving community.

Relevance to the Scope

1. Design-Build Project Management
2. Multimodal Connectivity Enhancements
3. Public Space and Landscape Design
4. Environmental and Archaeological Compliance
5. Stakeholder and Community Coordination



CEI Services for Belvedere Heights Phase 1 & 2 Sidewalks and Streetlight

Palm Beach County



HBC provided comprehensive Construction Engineering and Inspection (CEI) services for this infrastructure improvement project, ensuring all construction activities were completed in accordance with project specifications, regulatory standards, and safety protocols. HBC was responsible for day-to-day inspection, documentation, and quality assurance of the contractor's work, as well as coordination with project stakeholders to facilitate timely progress and issue resolution.

HBC's scope included active engagement with the contractor and multiple subcontractors involved in the reconstruction of 6-foot-wide sidewalks, partial driveway reconstruction, installation of drainage structures, and the placement of streetlight poles and electrical components such as pull boxes and conduits. The project also involved directional boring to support lighting infrastructure, construction of spread footer foundations, site restoration through sodding, and the implementation and monitoring of Maintenance of Traffic (MOT) plans to ensure pedestrian and vehicular safety during construction.

In addition, HBC managed utility coordination efforts with several Utility/ Agency Owners (UAOs), including Verizon, Florida Public Utilities, Florida Power & Light, Palm Beach County Water Utilities, and West Palm Beach Water Utilities. These efforts ensured that existing utilities were protected or relocated as needed, minimizing service disruptions and maintaining

Location

West Palm Beach, FL

Dates

2021 - 2022

Budget

HBC Fee: \$575K

Reference

Zachary King
(561) 684-4178
zking@pbcgov.org
301 N. Olive Avenue,
West Palm Beach, FL 33401

Scope of Services

Construction oversight,
Sidewalk reconstruction,
Driveway modifications,
Drainage installation,
Street lighting installation,
Utility coordination,
Subcontractor
management, Foundation

compliance with utility standards. HBC’s oversight played a critical role in maintaining construction quality, minimizing delays, and delivering a successful project outcome.


This project was completed on time and on budget.



construction, Sodding, Maintenance of Traffic.

Relevance to the Scope

- 1. LAP Experience
- 2. Sidewalk and Lighting Scope
- 3. Utility Coordination
- 4. MOT and Safety
- 5. Construction Oversight

 **Funded by**
Local Agency Program (LAP)



CEI Services for Roadway, Sidewalk, & Pedestrian Lighting Improvements Project at Cherry Road from Military Trail to Quail Drive

Palm Beach County



HBC is providing Construction Engineering & Inspection (CEI) services for the complete streets improvements along Cherry Road in Palm Beach County (PBC). The HBC CEI Team handles all project management as well as inspections under this specific project under a blanket task work order contract with PBC.

The project involves the construction of an 8-foot-wide sidewalk along the north side of Cherry Road, stretching from N. Military Trail to a point 120 feet west of Quail Road. Additionally, a 6-foot-wide sidewalk will be constructed on the south side of Cherry Road, covering the same stretch from N. Military Trail to Quail Road, with the exception of the segment that crosses the bridge identified as structure #934229. The scope of the project also includes milling & resurfacing, widening, and the installation of appropriate signing and pavement markings to better accommodate current traffic volumes and improve overall traffic flow. Pedestrian-scale lighting and landscaping will be installed along the sidewalks and in key areas of the roadway.

HBC's CEI Team is responsible for conducting bi-weekly progress meetings, maintaining accurate daily reports, verifying quantities and work compliance, documenting changes in field conditions, supporting the interpretation of plans and specifications, and providing input on potential resolutions for construction issues, managing invoices, assisting Palm Beach County with

Location

Westgate, FL

Dates

2024 - Ongoing

Budget

HBC Fee: \$60K

Construction Cost: \$1.21M

Reference

David West

(561) 684-4180

DWest1@pbc.gov

301 N. Olive Avenue

West Palm Beach, FL 33401

Contract No.

2021025

CSA No. 6

Key Components

Milling & Resurfacing,

Variable Width Sidewalk,

state funding packages for reimbursement, facilitating daily inspections, and handling all documentation for project closeout, including a comprehensive punch list as well as inputting accurate data entry into GAP and organizing all project documentation for timely reimbursement submissions of the allocated federal funds.

Pedestrian Lighting, ADA Improvements.

Relevance to the Scope

1. CEI Project Management
2. Complete Streets Scope
3. Sidewalk & Lighting Installation
4. Documentation & Compliance
5. Federal Funding Coordination

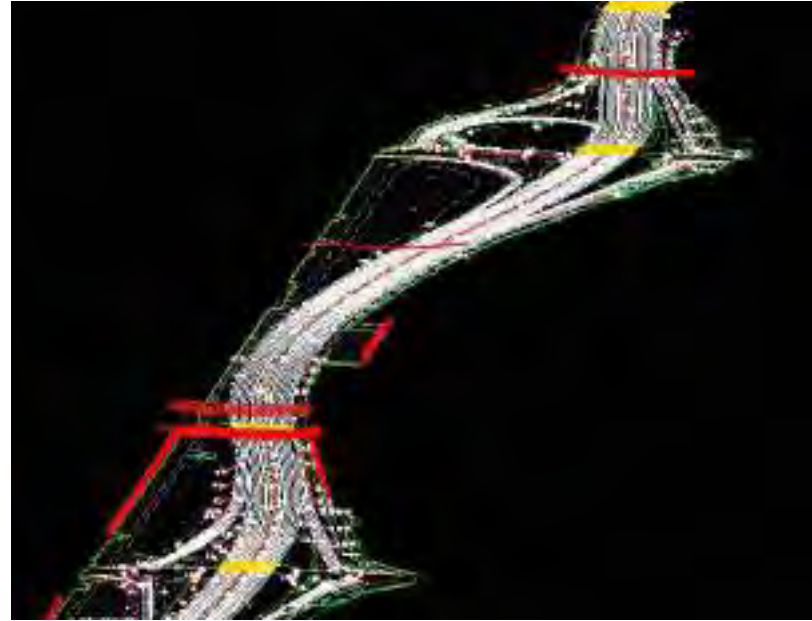


Funded by
Local Agency
Program (LAP)



3D-Design Survey for SR-9 / I-95 from South of Linton Road to 6th Ave South

Florida Department of Transportation (FDOT) District 4



This is a PD&E project for FDOT 4. GPI-GEO Performed a complete 3D Design Survey for this 12-Miles-Highway from Right of Way to Right of Way. GPI-GEO was this project's Prime Geomatic Consultant, performed under our Current Continue Service Contract with FDOT 4. In addition to GPI GEO resources, we were supported by two other survey sub-consultants who performed the drainage and off-pavement investigation. The 3D-Design Survey was completed using Terrestrial Mobile LiDAR. The scope of services included establishing Primary Control Points (PCP) for the entire corridor, following FDOT Standards. GPI GEO also set and controlled Terrestrial Mobile LiDAR (TML) Targets to calibrate the Point Cloud to project control. GPI-GEO extracted all above-ground features on the hard surfaces (pavement) for the 12 miles. GPI GEO also merged the ground and drainage survey. GPI GEO recovered the Historical Baseline of Survey for the main corridor (SR 9 / I -95) and the adjacent FEC Corridor.

Location

Palm Beach County, FL

Dates

2022 - 2024

Budget

Project Fee: \$1.1M

Reference

Evan Bain, PSM

(954) 777-4560

evan.bain@dot.state.fl.us

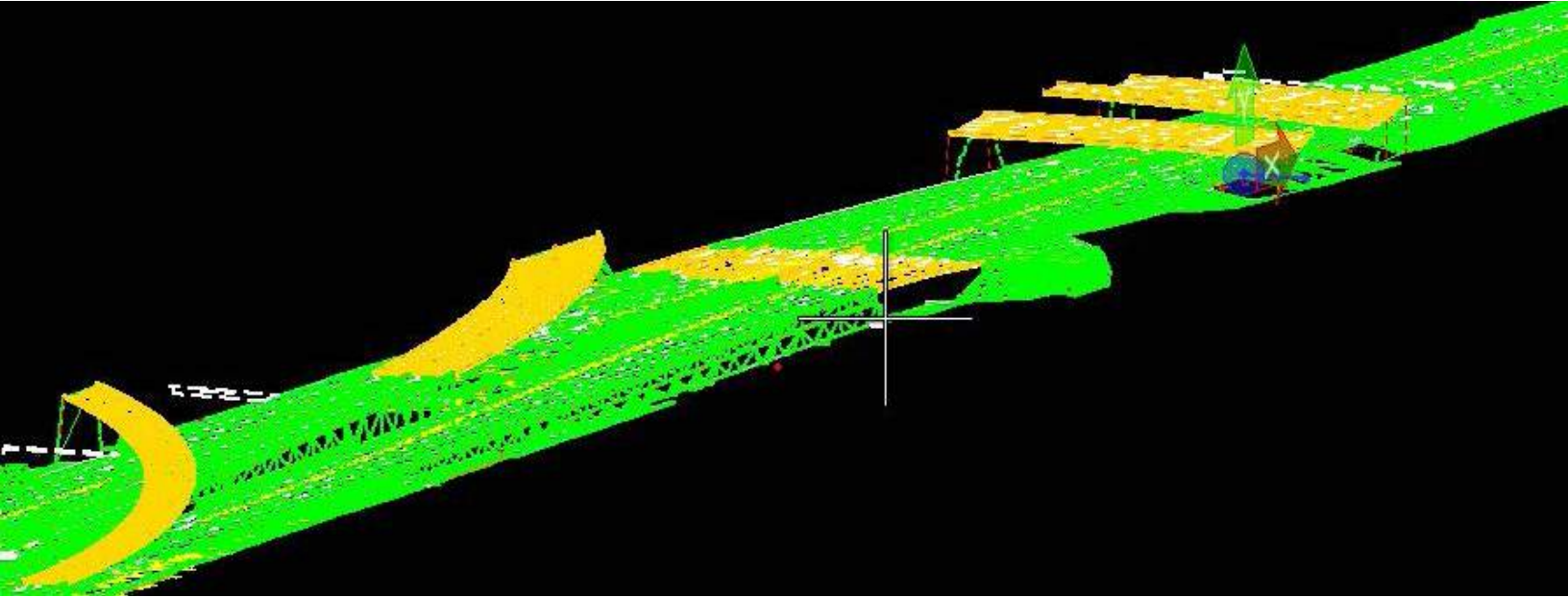
Relevance to the Scope

1. Full 3D Design Survey Coverage
2. Right-of-Way Investigation
3. LiDAR Data Collection
4. Baseline Recovery and Control Point Establishment



3D-Design Survey for SR 826 / Palmetto Expressway from NW 25th Street to NW 67th Avenue

Florida Department of Transportation (FDOT) District 6



GPI-GEO completed this project for FDOT 6. The purpose of this project was the design of the re-alignment of the travel lanes after the Express lanes construction was completed. GPI-GEO was this project's Prime Geomatic Consultant, performed under our Current Districtwide Service Contract with FDOT6. GPI GEO performed a complete 3D Survey for the S.R. 826 (Palmetto Expressways) Deck. The 3D Survey was completed using Aerial LiDAR and Aerial Imagery. FDOT provided the primary and secondary control for this project. GPI-GEO extracted the above-ground 3D features for the entire corridor, limited to the hard surfaces, and extended to some side streets and ramps. GPI GEO also scanned all overpass and Mast Arms along the project to provide clearances.

Location

Miami-Dade County, FL

Dates

2020

Budget

Project Fee: \$299K

Reference

Zurelys C. Perez de Alejo, PSM
(305) 640-7471

Zurelys.PerezDeAlejo@
dot.state.fl.us

Relevance to the Scope

1. FDOT DW Survey
2. 3D Survey Using Aerial LiDAR
3. Roadway Realignment
4. Overpass and Mast Arm Scanning
5. Side Street and Ramp Coverage



Andrews Avenue Extension - Segment 5



REFERENCE

FDOT District Four

Kaylee Kildare PSM-EPM

3400 West Commercial Blvd.

Fort Lauderdale, FL 33309

954.777.4219

kaylee.kildare@dot.state.fl.us

2005 - 2016

Prime Consultant

Results of the project: Overall, the project not only enhances the immediate transportation landscape but also contributes to long-term community development and environmental sustainability.

The scope of services for this project involved the design and permitting required to produce construction documents for the construction of a new four-lane divided roadway between Racetrack Road/NW 3rd Street and Atlantic Boulevard/SR 814. The new Andrews Avenue Segment 5 section follows the preferred Alignment Alternative 1-B as proposed, was approved in the Andrews Avenue Extension PDE Report (September 1996), and required right-of-way acquisition by FDOT per FHWA requirements.

As with previous Andrews Avenue projects, the roadway typical section was developed as a four-lane divided urban typical section in 110 feet of right-of-way. The design also accommodated possible future expansion to a six-lane divided section as traffic volumes dictate. The typical section accommodates a 33-foot wide curbed median and four 12-foot through lanes with adjacent four-foot bike lanes and six-foot sidewalks.

The project involved the design and permitting of a new closed drainage system incorporating wet detention ponds discharging to the Pompano Canal (C-14). The roadway design included lighting, signalized intersections, and roadway signing and marking. The project required close coordination with Broward County and the City of Pompano Beach; all maintenance agreements for lighting and landscaping were between these two counties.

SR 907/Alton Road from 5th Street to N Michigan Avenue



REFERENCE

FDOT District Six

Monica Rodriguez

1000 N.W. 111 Avenue

Miami, FL 33172

305.470.5452

monica.rodriguez@dot.state.fl.us

2016 - 2017

Prime Consultant

Results of the project: Overall, this project enhances the aesthetic appeal, functionality, and accessibility of the area, positively impacting the local community and its visitors.

This 1.5-mile section of Alton Road is an active commercial corridor in one of Florida's hottest destinations to visit, live, work, or play - Miami Beach. The corridor is heavily traveled by locals and tourists either by foot, bicycle or automobile. To soften the urban feeling of this metropolitan corridor, large shade trees were placed adjacent to on-street parking and in curbed bulb-outs, thus providing a shady walk for pedestrians, allowing them to linger along the corridor to enjoy the many shops and cafes that Miami Beach has to offer. Hardscape treatments were designed within the sidewalks to create ADA-compliant walkways as well as provide root space for proposed street trees. Working with the City of Miami Beach, irrigation plans were tailored to the city's requests. Ultimately as a tree-lined street that will mature and grow, Alton Road will continue to develop as an asset for the community and its users to enjoy. The scope of work for this project included the design and permitting of drainage improvements of 3,370 linear feet of sidewalk. The design was prepared under contract amount. Construction cost savings were developed during construction.

SR A1A Fort Lauderdale Beach Streetscape



REFERENCE

Florida Department of
Transportation
District Four
Elisabeth Hassett, RLA
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elisabeth.hassett@dot.state.fl.us

KCI was retained by the Florida Department of Transportation District Four to design the reconstructed portion of SR A1A from Sunrise Boulevard to NE 18th Street. KCI designed and prepared construction plans for the landscape, irrigation, and hardscape. While most of the landscape improvements are in the newly constructed median, KCI also made improvements to the east sidewalk along the beach. The streetscape design lined SR A1A with stately palms placed in landscaped medians. The palms were spaced closely for dramatic visual impact, and the wide sidewalks allowed for comfortable pedestrian passage. Coastal-appropriate plant species were installed within plant beds throughout the project. KCI performed post-design services, reviewing plant layouts and plant quality to ensure a quality product. KCI continued to assist the department in monitoring throughout the establishment period.



RESTORATION W/
VEGETATION

OVERLOOK

LIFEGUARD
TOWER

BOARDWALK

Las Olas Boulevard Beach Streetscape



REFERENCE

City of Fort Lauderdale
Public Works Department
Albert Carbon
954.828.5290
acarbon@fortlauderdale.gov

The City of Fort Lauderdale engaged KCI to design Las Olas Boulevard gateway, which extends from east of the Intracoastal Waterway to SR-A1A. KCI's responsibilities included designing and preparing construction plans for the roadway realignment, improving stormwater drainage, signage, striping and marking, signalization, ADA upgrades, and new trombone-style mast arm structures. Additionally, KCI provided hardscape, landscape, irrigation, landscape lighting, and decorative lighting. The KCI team also provided tree relocation plans, bidding assistance, and construction management services.

The KCI streetscape design lined Las Olas Boulevard with stately palms placed in decorative tree surrounds to match the hardscape paver pattern. Dramatic landscape uplighting was installed at the base of each palm for visual impact, and the wide sidewalks allowed for comfortable pedestrian passage. Coastal-appropriate plant species were installed within plant beds adjacent to the City's public parking lot in order to soften the pedestrian edge and screen the parking lot.



RESTORATION W/
VEGETATION

OVERLOOK

LIFEGUARD
TOWER

BOARDWALK



Avant Garde Academy “Safe Routes to School” Sidewalk Project

City of Hollywood | City of Hollywood, Broward County, FL

The scope of this project was to design and prepare plans for a sidewalk improvement project related to the Safe Routes to School program for the Avant Garde Academy in Hollywood, Florida. Due to the federal funding sought by the City through the FDOT Local Agency Program, RES was subcontracted to conduct a 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. A Florida bonneted bat survey was conducted as part of the natural resource assessment. The environmental document was a CatEx 2, with back up memos for each environmental resource.

AT A GLANCE.

Client Contact

Juan José Figueroa, PE, Senior
Project Manager (Resiliency)
Design and Construction
Management
P.O. Box 229045
Hollywood, Florida 33022-9045
O: 954-921-3410 | M: 954-864-6622
| jfigueroa@hollywoodfl.org

Contract Value

\$13,830

Contract Period

November 2020 – December 2021

Project Type

Advisory Services

Project Highlights

- Sociocultural Evaluation
- Contamination Evaluation
- Natural Resources and other Environmental Resource Project Effects Evaluations
- Florida Bonneted Bat Survey
- CatEx 2 Documentation

Key Staff

- Nadia Locke, PE, LEED AP



Jose Marti Park Adaptive Re-Design

Curtis + Rogers Design Studio | Miami-Dade County, City of Miami, FL



AT A GLANCE.

Client Contact

Ms. Aida Curtis, Principal
7520 S. Red Road, Suite M
South Miami, FL 33143
aida@curtisrogers.com
305.442.1774

Contract Value

\$225,990

Project Size

13 acres

Contract Period

October 2019 – Present

Project Staff

- Patrick Shearer, PE
- Jim Orioles, PE
- Esteban López, PE
- Justin Freedman, MS
- Jennifer Savaro, MS
- Bryan Farrow, PE

Project Highlights

- June 2023, Awarded 1st Waterfront Edge Design Guidelines (WEDG) verification in Florida
- March 2021, Awarded ~\$14M- – CDBG-MIT General Infrastructure grant

RES is providing civil and environmental engineering services that include environmental site analysis and impact evaluations, vulnerability assessments, resiliency planning, and design related to drainage improvements, green infrastructure, and stormwater management at the Jose Marti Park site on the west bank of the Miami River in the heart of Downtown Miami. This project site is ±13 acres and consists of a waterfront park, paths, playgrounds, a pool complex, gym, recreation and community center, basketball courts, baseball fields, exercise equipment, and waterfront access via seawalls and imbricated shoreline areas. Interstate I-95 lies over a portion of the site, and overhangs the gym building, basketball courts, and parking areas – and this area was historically the location of the Tent City during the Mariel Boatlift in the 1980s. The park is the center for the community in this area of Little Haiti, and regularly experiences tidal flooding from the river and this is exacerbated during the King Tide portions of the year, and hurricane season. With future sea level rise projections showing increased water levels for the park, our team of architects, engineers, scientists, and planners has been tasked with adapting the waterfront to future predicted sea level rise tidal and storm surge elevations that will set a model for other properties along the Miami River and other portions of the city that can benefit from this adaptive design.

The park has five existing stormwater outfalls on-site, which are underserved by stormwater treatment facilities and discharge directly to the Miami River. Additionally, the park adaptive redesign will set the stage for the Miami Riverwalk initiative which is currently underway by the Miami Downtown Development Authority and will be a model project for other portions of the Riverwalk which plan to provide a continuous riverfront trail for the community and the heart of the city.

RES' role on the project is to provide civil engineering for stormwater upgrades to the site to reduce onsite and neighborhood flooding and to provide water quality treatment where there is currently very little treatment in place for this watershed. RES is also conducting an evaluation on the feasibility of pump stations and drainage wells to



reduce flooding. Additionally, RES is providing environmental science, engineering, and ecological considerations and design for the living shoreline, living seawall, habitat restoration, and green infrastructure components of the project.

RES performed the tree inventory and Florida bonneted bat survey for the site. We are responsible for environmental permitting for the stormwater improvements.

RES is also providing site analyses, assessments, and design for innovative stormwater retrofits involving LID design for this unique, green resilience project. Components of the environmental site analysis and vulnerabilities and resiliency assessments include heat island effect considerations, energy resource considerations, stormwater and green infrastructure assessment, community outreach, and site design related to the stormwater and environmental aspects of the project. The project is a pilot designed to showcase and scale up resiliency and adaptation design measures. A variety of climate-change-oriented sensors, metrics, and grant funding approaches have been included in RES' project evaluation to assist with project funding and resiliency. This project features stormwater design conveying green infrastructure such as permeable pavement with regenerative underground exfiltration, smart stormwater infrastructure, bio-retention/bio-swale planting areas; tree planter retention areas with structural soils; bio-sorption activated media; pollutant removal devices and filtration; solar power; stormwater engineering art; and climate change concepts through public education and outreach. The stormwater retrofits have been integrated into the living shoreline aspects of the project, and kayak ramp, with the intent to reconnect the historic hydrologic cycle to the water's edge portion of the river, enhance ecology for oyster restoration, and provide resiliency for the neighborhood. Tidal valves and backflow preventers with manatee protection will be installed on existing outfalls to prevent "sunny day flooding" and minimize tidal water from the river from impacting drainage at upstream locations.

RES is leading the natural systems and green infrastructure design and integrating the LID principles to showcase stormwater management as functional environmental art which ties the site to the Everglades and Biscayne Bay natural areas of Miami and the Miami River. The project has a Florida Inland and Navigation District grant that is allocated to the waterfront trail, a kayak launch, a living shoreline, and seawall upgrades for the site. Innovative living seawall elements are part of this design and reduce carbon footprint.

The final design will go to construction and is part of the Tranche 1 of the City of Miami Forever Bond general obligation bond program. The project team has many partners, and the New York-based Van Alen Institute has led a separate and concurrent study and series of events to educate the community on sea level rise, climate change, gentrification, and to work with our project team to create a project that provides equity, economy, and ecology for the citizens, the Miami River, and the City of Miami. The project is intended to improve pedestrian safety, harness social interaction and business development, and to improve water quality and flood reduction in the district. ~\$18 million was awarded for a CBDG grant.



Miami River Greenway Curtis Park

A&P Consulting Transportation Engineers, a CHA Company | City of Miami, Miami-Dade County, Florida



A&P Consulting Transportation Engineers (APCTE) was awarded the design and permitting of a greenway project by the City of Miami. RES was selected as a subconsultant to provide environmental support with respect to compliance with National Environmental Policy Act (NEPA) documentation and environmental permitting. The Florida Department of Transportation (FDOT), District Six, is providing funding (including federal funds) for construction through FDOT's Local Agency Program (LAP).

The project scope of work includes the following improvements to the existing roadway: reconstruction of NW North River Drive, milling and resurfacing of NW 24th Avenue, greenway construction, and sidewalk construction. All work will be conducted in the City-owned properties and no right-of-way acquisition is proposed. The City of Miami is the managing local agency for the preliminary engineering and construction of this project. Local and federal funds for this project were allocated through the Miami-Dade County Transportation Planning Organization (TPO), and the FDOT is providing oversight of this federally funded City project through the LAP.

NW North River Drive is currently a two-lane roadway with no median. There are existing sidewalks on the west side of NW 24th Avenue and along the Miami River (Miami Riverwalk Path), as well as sidewalks on the north side of NW North River Drive in the eastern portion of the project. This project includes improvements to existing sidewalks, and the inclusion of a multi-use path on the south side of NW North River Drive, connecting with the Miami Riverwalk Path as part of the Miami River Greenway. The existing land use within 500 feet of the project corridor is predominantly fixed single-family units.

The purpose of the project is to enhance the results of the completed Miami River Greenway segments and increase and enhance the safety of all non-motorized users (pedestrians, wheelchair users and bicyclists) traversing along the Miami River and the NW North River Drive roadway. The Miami River Greenway project from NW 36th Street to NW 12th Avenue is in the Miami-Dade County TPO's 2035 Long Range Transportation Plan (LRTP) under non-motorized projects and the Miami River Greenway Streetscape – Curtis Park East is included in the State Transportation Improvement Program (STIP). The project is compatible with the goals of the Miami-Dade County Comprehensive Development Master Plan and City of Miami Comprehensive Neighborhood Plan.

RES is providing environmental support to satisfy the FDOT's NEPA compliance requirements including the following scope of services:

- Level I Contamination Screening
- Level II Contamination Screening

AT A GLANCE.

Client Contact

Alejandro A. Leon, MsEM, PE
Senior Project Manager
8935 NW 35th Lane, Suite 200
Doral, Florida 33172
786.257.3119 | ALeon@APCTE.com

Contract Value

\$33,393

Contract Period

6/2020 – Ongoing

Project Type

Advisory Services

Project Highlights

- Level I Contamination Screening
- Level II Contamination Screening
- Florida Bonneted bat limited roost survey
- Section 4(f) assistance
- Public meeting support
- Final NEPA document (Type I Categorical Exclusion)
- Environmental permitting support to include Class VI DERM permitting and SFWMD permit exemptions.

Key Staff

- Nadia Locke, PE, LEED AP
- Gayle Stone, MS

- Florida Bonneted bat limited roost survey
- Section 4(f) assistance
- Public meeting support
- Final NEPA document (Type I Categorical Exclusion)
- Environmental permitting support to include Class VI DERM permitting and SFWMD permit exemptions



Lyons Road from Atlantic to South of Flavor Pict Road

PBC Roadway Production/ Scalar Consulting Group



This project required the subsurface exploration of approximately 1.5 miles of roadway extending from W. Atlantic Avenue to South of Flavor Pict Road for the widening and reconstruction of the Lyons Road from a two-lane roadway to a four-lane divided highway including the replacement/widen of the bridge south of Flavor Pict Road.

PACIFICA scope of services included the completion of a subsurface investigation, Exfiltration Tests, laboratory testing program and geotechnical engineering analysis. Our report summarized the results of the work and lab testing that was performed and provided recommendations regarding compaction recommendations, general site preparation criteria and a muck delineation plans to remedy organic materials that were encountered in the project. The geotechnical engineering reports also includes evaluations and recommendations regarding driven concrete pile axial capacity, drilled shaft axial capacity, Augercast piles capacities, construction considerations, and monitoring of existing structures.



Location

Palm Beach County, FL

Dates

2022-Ongoing

Reference

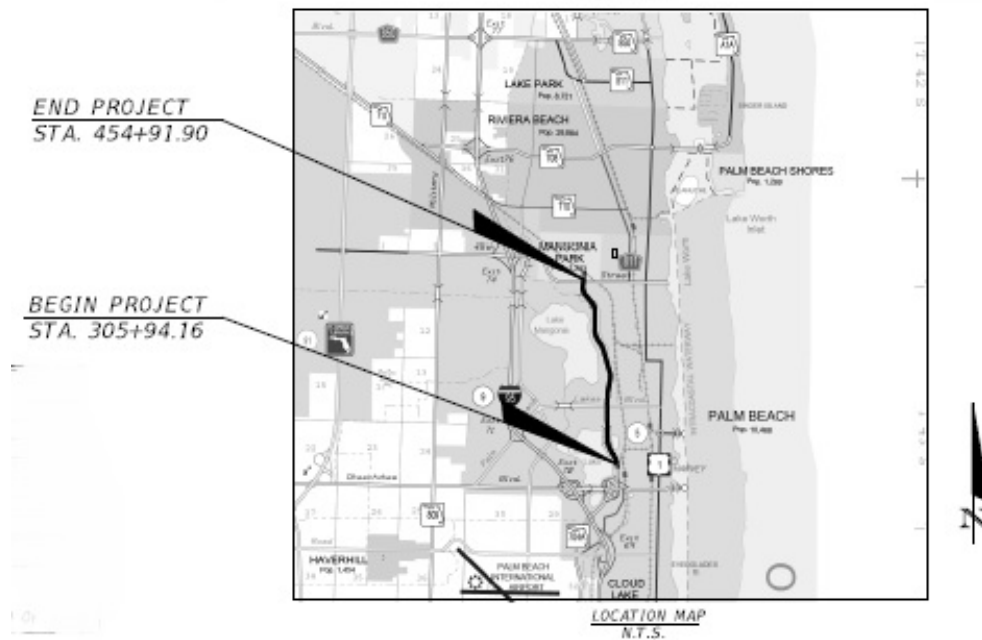
John Whitaker, PE
(561) 429-5065

Relevance to the Scope

1. Subsurface investigation experience
2. Roadway widening geotechnical support
3. Bridge foundation capacity evaluation
4. Compaction & site prep
5. Muck remediation recommendations
6. Pile and shaft capacity
7. Soil and lab testing
8. Monitoring existing structures
9. Exfiltration system analysis
10. Construction feasibility assessments

Australian Avenue, Banyan Boulevard to 45th Street

PBC Roadway Production/ HSQ Group Inc.



Australian Avenue Reconstruction and Drainage Improvements required the subsurface exploration of approximately 3 miles of roadway extending from Banyan Boulevard to 45th Street including the reconstruction/widening of 2 Bridges along the corridor.

PACIFICA scope of services included the completion of a subsurface investigation, laboratory testing program and geotechnical engineering analysis. Our report summarized the results of the work and lab testing that was performed and provided recommendations regarding compaction recommendations, general site preparation criteria and a muck delineation plans to remedy organic materials that were encountered throughout the project. The geotechnical engineering reports also includes evaluations and recommendations regarding driven concrete pile axial capacity, drilled shaft axial capacity, Augercast piles capacities, construction considerations, and monitoring of existing structures.

Location

Palm Beach County, FL

Dates

2022-Ongoing

Reference

Nour Shehadeh, PE
(561) 392-0221

Relevance to the Scope

1. Subsurface roadway exploration experience
2. Bridge reconstruction and widening
3. Geotechnical investigation and analysis
4. Laboratory soil testing expertise
5. Foundation design recommendations
6. Muck removal planning experience
7. Pile capacity evaluations
8. Utility and structure coordination





City of Lake Worth Beach ADA Improvements Local Agency Program (LAP) Project, Palm Beach County

Client: WGI, Inc.

Reference: Stephen Cherry, PE, Director, Municipal Services; (562)-209-7781;

Stephen.Cherry@wgiinc.com

Janus Research provided cultural resources services for this City of Lake Worth for this LAP project. All work was conducted in compliance with the Stipulation VII of the Programmatic Agreement among the Federal Highway Administration (FHWA), the Advisory Council on Historic Preservation (ACHP), the Florida Division of Historical Resources (FDHR), the State Historic Preservation Officer (SHPO), and the FDOT Regarding Implementation of the Federal-Aid Highway Program in Florida (Section 106 Programmatic Agreement), Section 106 of National Historic Preservation Act (NHPA) of 1966 and the revised Chapter 267, Florida Statutes (F.S.). This project included reconstructing curb ramps at 523 locations throughout the City of Lake Worth Beach.

The purpose of this analysis was to provide cultural resource information to assist in the avoidance of resources listed in, determined eligible for, or considered eligible for listing in the National Register of Historic Places (National Register) according to the criteria set forth in 36 CFR Section 60.4 and to identify any historic properties that may be affected by the proposed project improvements. Due to the limited nature of the improvements, the area of potential effect for both archaeological sites and historic resources focused on the footprint of the improvements. No previously recorded archaeological sites were identified within the project area. The Old Lucerne Historic Residential District was identified but the field survey identified no historic material associated with this district within the area of potential effect (APE).

Oakland Park Sidewalks Local Agency Program (LAP) Project, Broward County, Florida

Client: Florida Department of Transportation, District Four

Reference: Lynn Kelly, Senior Environmental Specialist, FDOT D4 PLEMO; (954) 777-4334;

Lynn.Kelley@dot.state.fl.us

Janus Research provided cultural resources services to the Florida Department of Transportation District Four for this LAP project. All work was conducted in compliance with the Stipulation VII of the Programmatic Agreement among the Federal Highway Administration (FHWA), the Advisory Council on Historic Preservation (ACHP), the Florida Division of Historical Resources (FDHR), the State Historic Preservation Officer (SHPO), and the FDOT Regarding Implementation of the Federal-Aid Highway Program in Florida (Section 106 Programmatic Agreement), Section 106 of National Historic Preservation Act (NHPA) of 1966 and the revised Chapter 267, Florida Statutes (F.S.). The project scope included pedestrian improvements at various locations within the current roadway right of way (ROW).

The purpose of this analysis was to provide cultural resource information to assist in the avoidance of resources listed in, determined eligible for, or considered eligible for listing in the National Register of Historic Places (National Register) according to the criteria set forth in 36 CFR Section 60.4 and to identify any historic properties that may be affected by the proposed project improvements. Due to the limited nature of the improvements, the area of potential effect (APE) for both archaeological sites and historic resources focused on the footprint of the improvements. No previously recorded archaeological sites were identified within the project area. The survey identified no archaeological sites or historic resources.



SE Walton Road Local Agency Program (LAP) Project from SE Lennard Road to SE Green River Parkway, St. Lucie County

Client: Kimley Horn

Reference: Brian Good, P.E., Senior Vice President; 772-794-4083;

Brian.Good@kimley_horn.com

Janus Research provided cultural resources services for this St. Lucie County pedestrian improvement project. All work was conducted in compliance with the Stipulation VII of the Programmatic Agreement among the Federal Highway Administration (FHWA), the Advisory Council on Historic Preservation (ACHP), the Florida Division of Historical Resources (FDHR), the State Historic Preservation Officer (SHPO), and the FDOT Regarding Implementation of the Federal-Aid Highway Program in Florida (Section 106 Programmatic Agreement), Section 106 of National Historic Preservation Act (NHPA) of 1966 and the revised Chapter 267, Florida Statutes (F.S.). The project scope included pedestrian improvements at various locations within the current roadway right of way (ROW).

The purpose of this analysis was to provide cultural resource information to assist in the avoidance of resources listed in, determined eligible for, or considered eligible for listing in the National Register of Historic Places (National Register) according to the criteria set forth in 36 CFR Section 60.4 and to identify any historic properties that may be affected by the proposed project improvements. Due to the limited nature of the improvements, the area of potential effect (APE) for both archaeological sites and historic resources focused on the footprint of the improvements. No previously recorded archaeological sites were identified within the project area. The survey identified no archaeological sites. While SE Walton Road is historic, background research and a field survey determined that the historic route of this resource is located adjacent to and outside of the current historic resources APE.

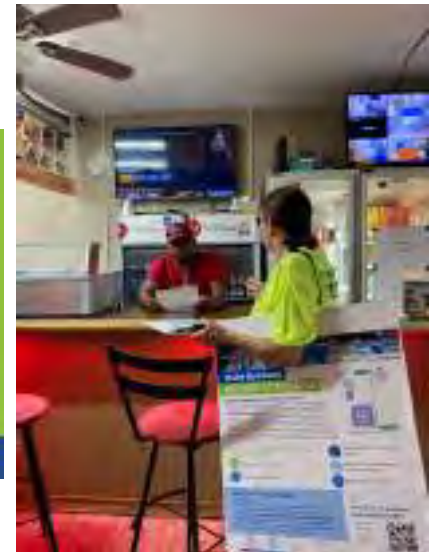
F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER 1
21. TITLE AND LOCATION (City and State) Broward MPO Quick Build Program – Complete Streets Initiative, Broward County, Florida	22. YEAR COMPLETED PROFESSIONAL SERVICES <i>Ongoing</i>	CONSTRUCTION (If applicable)

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER Broward MPO	b. POINT OF CONTACT NAME Maurene S. Balmaseda,	c. POINT OF CONTACT TELEPHONE NUMBER 954.235.8407
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

As subconsultant, MRG provides professional technical services in support of developing the Broward MPO's inaugural Tactical Urbanism/Quick Build Program, which included attending or assisting with the Let's Go Walking!, Let's Go Biking!, and Ciclovía project unveiling events.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

	(1) FIRM NAME	(2) FIRM LOCATION (City and State)	(3) ROLE
a.	Media Relations Group, LLC	Fort Lauderdale, FL	Public Involvement Services
b.			
c.			
d.			
e.			
f.			

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		20. EXAMPLE PROJECT KEY NUMBER <p style="text-align: center;">2</p>
21. TITLE AND LOCATION <i>(City and State)</i> FDOT District Four SR 842/Broward Boulevard Resurfacing, Restoration and Rehabilitation, Fort Lauderdale, FL	22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION <i>(If applicable)</i> N/A	

23. PROJECT OWNER'S INFORMATION

a. PROJECT OWNER FDOT	b. POINT OF CONTACT NAME Cairo Cangas, PE, Consultant/FDOT	c. POINT OF CONTACT TELEPHONE NUMBER 786.316.7844
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Media Relations Group, LLC (MRG) was contracted to provide all public involvement services on this Broward Boulevard Resurfacing, Restoration and Rehabilitation contract, which includes the design and preparation of informational materials for outreach events. Materials developed include, project area maps, newspaper advertisements, social meeting notices, name tags, comment box inserts, sign-in sheets, and comment forms.




**COMMENTS
COMENTARIOS**

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT

a.	(1) FIRM NAME Media Relations Group, LLC	(2) FIRM LOCATION <i>(City and State)</i> Fort Lauderdale FL	(3) ROLE Public Involvement Services
b.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION <i>(City and State)</i>	(3) ROLE



HBC