

An aerial photograph of a dense, green forest. A paved road curves through the trees from the bottom left towards the center. In the middle of the road, there is a small building with a green roof and a white car parked nearby. The background shows a vast expanse of forest stretching to the horizon under a clear sky.

LAKE COUNTY

RSQ 22-901

NORTH LAKE TRAIL PHASE 3 PD&E STUDY

07. OTHER INFORMATION

Prime Firm's Experience

Halff understands the complex issues that come into play during trail design. Our experience spans more than four decades and includes working along flood-prone corridors, securing right of way and permits, and incorporating features that transform a trail into an extraordinary asset for the communities around them. In particular, our staff has designed multi-mile trails, and we fully understand the challenges in timing and continuity that these longer corridors bring.

Our trail experience has allowed us to gain direct understanding of Lake County's requirements and desires on projects, including similar corridors with constrained budget, route challenges, acquisition and costs, and the benefits of the trail in urban design terms.

Our experience in the key areas identified in the scope of work are outlined in the matrix below. Our trail examples illustrate similar scopes, complexity related to right of way, permitting/environmental issues, community engagement, and contractor/scheduling coordination.

TRAIL PROJECTS (PAST 5 YEARS)	Trail Length (miles)	Administration	Public Involvement	Data Collection	Environmental Analysis	Trail Alternatives Development and Analysis	Preferred Trail Concepts	Structures
CR 455 Hartle Road Extension	.83	●		●	●			
Marion County Greenway Trail Landbridge Phase	6	●	●	●	●	●	●	●
Close the Gaps – Statewide Multi-use Trail Network Planning	110	●	●	●	●	●	●	●
Babcock Ranch Trails Master Plan	50	●	●	●	●	●	●	●
Lake Okeechobee Scenic Trail Master Plan	45	●		●	●	●	●	
Four Freedoms Trail	5.7	●	●	●	●	●	●	
Ichetucknee to O'leno State Park Trail	12.8	●		●	●	●	●	●
Withlacoochee Bay Trail Master Plan, Design and Construction	4	●	●	●	●	●	●	●
Ochlockonee Bay Multi-Use Trail	1	●	●	●	●	●	●	
Medina River Greenway	16	●	●	●	●	●	●	●
Trinity Forest Spine Trail	9.2	●	●	●	●	●	●	●
Azalea City Trail	2.7	●				●	●	
Goose Pond Bikeway	3	●	●	●	●		●	●
CentrePort Trail	5	●	●	●	●	●	●	●

+++

CR 455/Hartle Road Extension

Lake County, FL



CONSTRUCTION COST

\$2,535,000

COMPLETED

2019

SCOPE

Engineering Design, Survey,
Permitting, Construction
Administration

REFERENCE

Seth Lynch
Project Manager
Lake County
315 W. Main Street, Suite 441
Tavares, FL 32778
352-253-6000
seth.lynch@lakecountyfl.gov

Halff provided engineering design, permitting, utility coordination and post-design services for the construction for Hartle Road from the existing terminus at Lake County Fire Station to the southerly boundary of the Waterbrooke project.

Halff designed 4,400 LF of 4-lane divided, urban roadway with 4-foot bike lanes, 12.5-foot multipurpose trail and 5-foot sidewalk within a 120-foot right of way. Plans were designed to meet all Lake County and FDOT design requirements for a 45 mph design speed facility.

St. Marks Trail Connection

Tallahassee, FL



📍 CONSTRUCTION COST

\$312,000

✅ COMPLETED

2020

✂️ SCOPE

Parks and Recreation Needs Assessment, Design, Environmental Assessment, Public Engagement, Landscape Improvements

📞 REFERENCE

Pam Miner
Project Manager
FDOT District 3
Highway 90 East
Chipley, FL 32428
850-845-0325
pminer@moffattnichol.com

Halff provided landscape improvements along a recently constructed multi-use trail beginning at Wakulla High School extending east approximately 12 miles terminating into the historic St. Mark's Trail. The trail crossed through forested rural areas, in front of businesses, residences, a boat launch, and crossed US 98 at multiple locations. Landscape design focused on providing safety for the users by utilizing selective clearing to not only remove nuisance and exotic species from the site but to improve visibility and therefore increase safety for the users. Safety was also considered at trail crossings as plantings were used to alert users of potential pedestrian/vehicular conflicts. Fall color and wildflower areas along the trail were included for visual interest.

Marjorie Harris Carr Cross Florida Greenway Landbridge Phase Paved Recreational Trail

Marion County, FL



CONSTRUCTION COST

3,300,000

COMPLETED

2018

SCOPE

Design, Environmental Assessment,
Public Engagement, Prioritized
Implementation Strategy

REFERENCE

Elton Holland, PE
2631 SE 3rd Street
Ocala, FL 34471
352-671-8681
elton.holland@marioncountyfl.org

The Marjorie Harris Carr Cross Florida Greenway Landbridge Phase Paved Recreational Trail was a design-build project. Halff provided design, permitting, and construction services for a2 approximately 6-mile, 12-foot wide, multi-use paved trail. The trail is located on the Marjorie Harris Carr Cross Florida Greenway and extends from 49th Street west to SR 200. The project also included the design and construction of a tunnel crossing at CR 484. The project was managed by Marion County and was designed to meet all FDOT standards for multi-use trails.

Halff was the design lead and provided the engineering, design, permitting, and route surveying tasks. Halff also retained and managed the specialized subconsultants for environmental, structural, and geotechnical work. Given the environmentally sensitive nature of the Cross Florida Greenway, particular attention was given to design details in order to minimize potential impacts from grading and horizontal alignments.

Accommodations for all trail users (equestrians, hikers, bicyclists, horse-drawn carriages) were incorporated into the design. Due to the numerous natural surface trails that cross the new, paved trail, special consideration in the design was given to trail users' safety at all crossings with signage and striping. Coordination with Florida State Parks (the land manager) was also a big factor in producing a successful project outcome. Lastly, the ease of trail maintenance was a key factor incorporated into the design, as requested by the land manager.

Triple Creek Community

Riverview, FL



CONSTRUCTION COST

\$621,000

COMPLETED

2020-Ongoing

SCOPE

Master Planning, Design,
Permitting Construction
Administration, Public
Engagement, Landscape
Improvements

REFERENCE

Jerrie Lindsey
Project Manager
Florida Fish and Wildlife
Conservation Commission
620 South Meridian Street 5B4
Tallahassee, FL 32399
850-410-4951
jerrie.lindsey@myfwc.com

Half is providing master planning, design, permitting, and construction services. The firm also serves as the District Engineer for the CDD on the 1,050 acre, 2,000+ unit mixed-use project. The project includes multiple amenity features including miles of paved trails, numerous wetlands, a lake, creek system and hundreds of acres of preservation land. Additionally, there are several community pools, playgrounds, and recreation areas. Monument signs, landscape, and irrigation are also under the direction of the CDD Engineer. Services include evaluation of flooding issues on District property, consideration of additional landscaping and/or fencing to provide buffering between District property and adjacent land, evaluation of resident complaints, negotiation of penalties resulting from unauthorized habitat impacts from adjacent property owners, oversight of District construction projects, oversight of District construction budgets, attendance at District public meetings, cost estimates, engineer's reports, and assistance with bonding.

Services related to this project have been provided for multiple clients in numerous phases spanning more than 15 years. Half provided conceptual design of a quarter mile fitness trail utilizing outdoor fitness equipment for users of all ages and capabilities. The landscape included the use of native plant palette, wetland plantings, and the use of complimentary colors and contrasting textures. Plantings were designed with seasonal blooms and fall color amongst evergreen plant materials with varying textures to provide interest and year-round appeal. Grand oaks and other trees were preserved and planted around as anchors to the design. Trails were placed appropriately with canopy trees while maintaining views of important site features, such as the 50 acre lake. Plantings were also used to screen views and provide privacy for residents.

Space Coast Trail

Deland, FL

Kimley»Horn



📍 CONSTRUCTION COST

\$1,111,000 (PD&E)
\$2,500,000 (Design)

✅ COMPLETED

PD&E: 2016-2020
Design: 2019-Ongoing

✂️ SCOPE

PD&E Study, Design, Environmental Assessment, Structural Design, Parks and Recreation Needs Assessment, Public Engagement, Prioritized Implementation Strategy

📞 REFERENCE

Lorena Cucek
Planning & PD&E Project Manager
FDOT District 5
719 South Woodland Boulevard
Deland, FL 32720
386-943-5932
Lorena.Cucek@dot.state.fl.us

Kimley Horn is completing a PD&E Study for over 30 miles of paved trails within the Merritt Island National Wildlife Refuge (MINWR) and Canaveral National Seashore (CANA) in Brevard and Volusia Counties, all within federal lands. After the completion of the PD&E study, design began on an 11-mile segment. This trail is part of the SUN Trail network and a segment of the Coast-to-Coast trail. The project included extensive coordination with the U.S. Fish and Wildlife Service (USFWS), National Park Service (NPS), and National Aeronautics and Space Administration (NASA). Monthly coordination meetings were held with the federal agency partners to discuss progress, share information, and ensure that the project was completed on schedule.

The PD&E study involved the preparation of an Environmental Assessment for USFWS and NPS signature in addition to a State Environmental Impact Report (SEIR) for District Five signature. For the 11-mile design segment, components of the design included: roadway design, milling and resurfacing, intersection design, ADA accommodations, pavement design (concrete pavement for railroad crossing), structural design (box culvert), drainage design, environmental services, signing and pavement markings, Rapid Rectangular Flashing Beacon (RRFBs) at roadway crossings, utility coordination, and environmental permitting.

Werner Boyce Salt Springs State Park, Pasco County, FL

Werner Boyce Salt Springs State Park is Pasco County's first state park. Halff was responsible for the refinement of the conceptual master plan through the design and permitting of the first phases of the project. The initial effort involved a design topographic survey of upland areas along with the delineation of wetlands.

The first design phase included the northern trailhead that consisted of parking, restroom, and picnic facilities. The second design phase was a major portion of the park facilities that included the ranger residence, maintenance facility, park entrance, water and sewer facilities, large trailhead parking area, canoe launch, boardwalk, and boat dock. The third design phase included roads, parking, restrooms, and boardwalks in the Day-Use-Area.



Ivey Road Park, Jacksonville, FL

Halff prepared conceptual and detail design for a 13 acre community park in Jacksonville, Florida. The property is located on an old White Sands Dune that is currently void of vegetation.

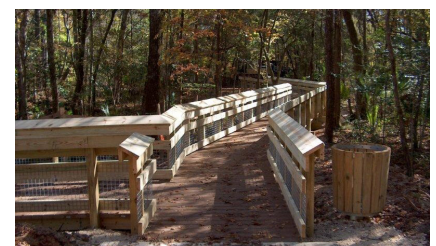
The design concept for this project was the "Oasis." The concept included sand dunes, open space and park amenity elements to symbolize an ocean front environment within the City of Jacksonville. The park elements included parking areas, a grand lawn, skate park, tot lot for ages 2-5, tot lot for ages 5-12, climbing boulders, splash park, board walk, tennis court, dog park, sand volleyball courts, basketball courts, multiple gazebos and picnic areas, restrooms, and a multi-use lawn that can be modified to soccer and baseball play fields.



Econfina Springs Complex, Walton County, FL

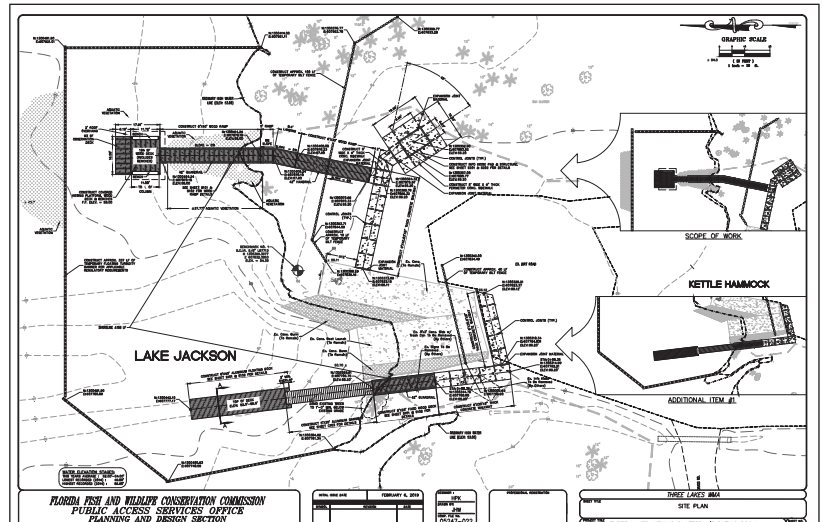
Halff provided professional civil engineering, architectural, and landscape architectural design services in the development of spring restoration and protection designs for Pitt Spring, Sylvan Spring, and Williford Spring within the Econfina Springs Complex. The preservation of water quality was the foremost concern with emphasis on stormwater runoff control. Erosion control, and revegetation of eroded shorelines of the Econfina Creek bank and spring pools.

Impacts relating to long-term public use were mitigated through the use of designated parking areas, improved trail alignments, elevated boardwalks over sensitive natural areas, and the place of well-defined outdoor use areas. New amenities include restroom facilities, boardwalks, view decks, springs access stairs, picnic shelters, parking areas, and canoe/kayak docks. Restored natural areas include the formerly eroded creek banks, abandoned trails, and spring banks which have been revegetated with native plants and restored to their original profiles.



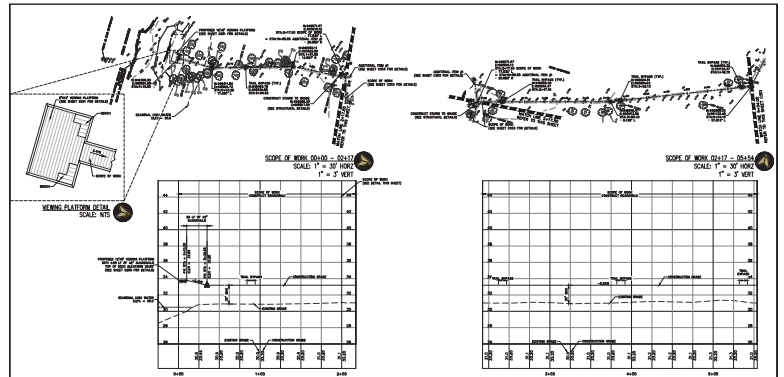
Three Lakes Viewing Platform and Floating Dock, Miami-Dade County, FL

Halff provided the design, permitting assistance, and limited construction observation/assurances for a viewing platform, floating dock, and kiosk structure located at Lake Jackson within the Three Lakes Wildlife Management Area. The project included +/- 800 SF of a pile supported covered timber viewing platform and access ramp, +/- 320 SF of aluminum floating dock with a 35 LF x 5FT aluminum gangway and +/- 25 LF x 6 FT wide timber access ramp, an information kiosk, and +/- 600 SF of concrete sidewalk. The project also included preparation and submittal of permit applications to the USACOE and FDEP, which were successfully acquired prior to construction.



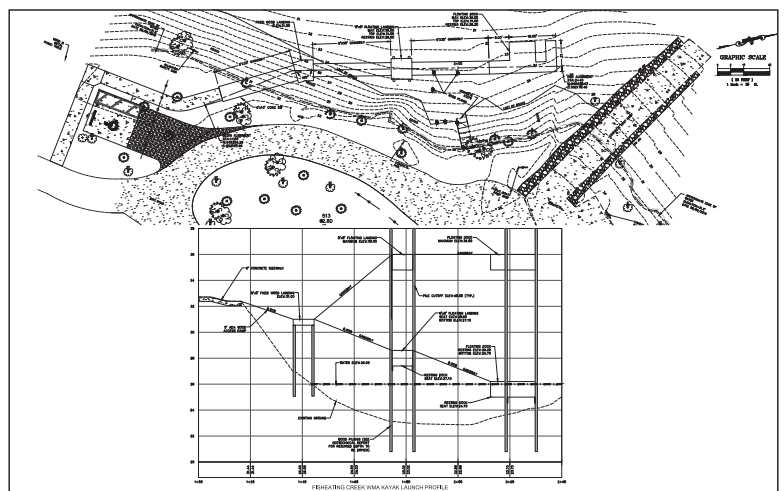
Knobby Knees Trail ADA Boardwalk, Palmdale, FL

Halff provided the design and permitting assistance for an ADA compliant trail and viewing platform located within Fisheating Creek Wildlife Management Area. The project included +/- 6,970 SF of pile supported timber boardwalk, +/- 4,000 SF concrete at grade trail, +/- 96 SF of a pile supported covered timber viewing platform, and a concrete ADA compliant parking space. The project also included preparation and submittal of permit applications to USACOA and SFWMD which were successfully acquired. The project is anticipated to bid in the summer of 2020, depending on funding availability.



Kayak Launch Facility, Palmdale, FL

Halff completed the design phase of an ADA compliant Kayak Launch Facility located within the Fisheating Creek Wildlife Management Area. The project included +/- 216 SF floating aluminum kayak launch, two +/- 30 LF x 5-foot wide aluminum gangways, +/- 60-foot x 6-foot wide pile supported timber access ramp, +/- 120 LF x 5-foot wide concrete sidewalk, and an ADA compliant parking space. The project also includes preparation and submittal of permit applications to USACOE and SFWMD.



FDOT Prequalifications


The Halff team has extensive FDOT experience and is prequalified in all the required work groups listed in the RSQ. The firm is prequalified in 27 FDOT work groups and our subconsultants provide capabilities in six additional prequalification work groups. A list of our teams FDOT prequalifications is provided below.



Team Prequalifications

2.0	Project Development and Environmental (PD&E) Studies	8.1	Control Surveying
		8.2	Design, Right of Way & Construction Surveying
		8.4	Right of Way Mapping
3.1	Minor Highway Design	9.1*	Soil Exploration
3.2	Major Highway Design	9.2*	Geotechnical Classification Laboratory Testing
3.3	Controlled Access Highway Design	9.4.1*	Standard Foundation Studies
4.1.1	Miscellaneous Structures	10.1	Roadway Construction Engineering Inspection
4.1.2	Minor Bridge Design	10.3	Construction Materials Inspection
4.2.1*	Major Bridge Design - Concrete	10.4	Minor Bridge & Miscellaneous Structures (CEI)
4.2.2*	Major Bridge Design - Steel	10.5.1	Major Bridge CEI-Concrete
5.1	Conventional Bridge Inspection	11.0*	Engineering Contract Administration and Management
5.3	Complex Bridge Inspection		
5.4	Bridge Load Rating		
6.1	Traffic Engineering Studies	13.3	Policy Planning
6.2	Traffic Signal Timing	13.4	Systems Planning
6.3.1	Intelligent Transportation Systems Analysis and Design	13.5	Subarea/Corridor Planning
6.3.2	Intelligent Transportation Systems Implementation	13.6	Land Planning/Engineering
6.3.3	Intelligent Transportation Traffic Engineering Systems Communications	13.7	Transportation Statistics
6.3.4	Intelligent Transportation Systems Software Development	14.0	Architect
		15.0	Landscape Architect
7.1	Signing, Pavement Marking and Channelization		
7.2	Lighting		
7.3	Signalization		

*Denotes Subconsultant Prequalification Work Groups



Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS GOVERNOR KEVIN J. THIBAUT, P.E. SECRETARY

February 9, 2021

Mark Llewellyn, Executive Vice President
HALFF ASSOCIATES, INC.
1201 North Bowser Road
Richardson, Texas 75081

Dear Mr. Llewellyn:

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 types of work:

- Group 2 - Project Development and Environmental (PD&E) Studies
- Group 3 - Highway Design - Roadway
 - 3.1 - Minor Highway Design
 - 3.2 - Major Highway Design
 - 3.3 - Controlled Access Highway Design
- Group 4 - Highway Design - Bridges
 - 4.1.1 - Miscellaneous Structures
 - 4.1.2 - Minor Bridge Design
- Group 6 - Traffic Engineering and Operations Studies
 - 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
- Group 7 - Traffic Operations Design
 - 7.1 - Signing, Pavement Marking and Channelization
 - 7.2 - Lighting
 - 7.3 - Signalization
- Group 8 - Survey and Mapping
 - 8.1 - Control Surveying
 - 8.2 - Design, Right of Way & Construction Surveying
 - 8.4 - Right of Way Mapping

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- Group 10 - Construction Engineering Inspection
 - 10.1 - Roadway Construction Engineering Inspection
 - 10.3 - Construction Materials Inspection
 - 10.4 - Minor Bridge & Miscellaneous Structures CEI
- Group 13 - Planning
 - 13.4 - Systems Planning
 - 13.5 - Subarea/Corridor Planning
 - 13.6 - Land Planning/Engineering
- Group 14 - Architect
- Group 15 - Landscape Architect


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, 2022 for contracting purposes.

Approved Rates						
Home/Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense
176.83%*	111.27%*	0.643%*	Reimbursed	No	3.52%*	8.08%*

*Interim Rates


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

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Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS GOVERNOR KEVIN J. THIBAUT, P.E. SECRETARY

June 25, 2021

Marcia Feldman, Vice President
KIMLEY-HORN AND ASSOCIATES, INC.
1920 Wekiva Way, Suite 200
West Palm Beach, Florida 33411

Dear Ms. Feldman:

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 types of work:

- Group 2 - Project Development and Environmental (PD&E) Studies
- Group 3 - Highway Design - Roadway
 - 3.1 - Minor Highway Design
 - 3.2 - Major Highway Design
 - 3.3 - Controlled Access Highway Design
- Group 4 - Highway Design - Bridges
 - 4.1.1 - Miscellaneous Structures
 - 4.1.2 - Minor Bridge Design
 - 4.2.1 - Major Bridge Design - Concrete
 - 4.2.2 - Major Bridge Design - Steel
- Group 5 - Bridge Inspection
 - 5.1 - Conventional Bridge Inspection
 - 5.3 - Complex Bridge Inspection
 - 5.4 - Bridge Load Rating
- Group 6 - Traffic Engineering and Operations Studies
 - 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

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- Group 7 - Traffic Operations Design
 - 7.1 - Signing, Pavement Marking and Channelization
 - 7.2 - Lighting
 - 7.3 - Signalization
- Group 10 - Construction Engineering Inspection
 - 10.1 - Roadway Construction Engineering Inspection
 - 10.3 - Construction Materials Inspection
- Group 11 - Engineering Contract Administration and Management
- Group 13 - Planning
 - 13.3 - Policy Planning
 - 13.4 - Systems Planning
 - 13.5 - Subarea/Corridor Planning
 - 13.6 - Land Planning/Engineering
 - 13.7 - Transportation Statistics
- Group 15 - Landscape Architect


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, 2022 for contracting purposes.

Approved Rates						
Home/Branch Overhead	Field Overhead	Facilities Capital Cost of Money	Premium Overtime	Reimburse Actual Expenses	Home Direct Expense	Field Direct Expense
194.46%*	173.61%*	0.309%*	Reimbursed	No	3.49%*	2.45%*

*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

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Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS
GOVERNOR

KEVIN J. THIBAUT, P.E.
SECRETARY

January 11, 2021

Scott Barfield, Vice President
ANDREYEV ENGINEERING, INC.
1170 West Minneola Avenue
Clermont, Florida 34711


Dear Mr. Barfield:

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 types of work:

- Group 9 - Soil Exploration, Material Testing and Foundations
 - 9.1 - Soil Exploration
 - 9.2 - Geotechnical Classification Laboratory Testing
 - 9.4.1 - Standard Foundation Studies
- Group 10 - Construction Engineering Inspection
 - 10.3 - Construction Materials Inspection


Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. Your firm may pursue projects in the referenced work types with fees estimated at less than \$500,000.00. This status shall be valid until January 11, 2022 for contracting purposes.

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

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Florida Department of Transportation
605 Suwannee Street
Tallahassee, FL 32399-0450

RON DESANTIS
GOVERNOR

KEVIN J. THIBAUT, P.E.
SECRETARY

November 30, 2020

Tammy Vrana, President
VRANA CONSULTING, INC.
260 Tucker Street
Safety Harbor, Florida 34695

Dear Ms. Vrana:

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 types of work:

- Group 13 - Planning
 - 13.5 - Subarea/Corridor Planning
 - 13.6 - Land Planning/Engineering

Your firm is now technically prequalified with the Department for Professional Services in the above referenced work types. Your firm may pursue projects in the referenced work types with fees estimated at less than \$500,000.00. This status shall be valid until November 30, 2021 for contracting purposes.

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



Pictured above is the ribbon cutting ceremony for the Marjorie Harris Carr Cross Florida Greenway Landbridge Phase Paved Recreational Trail. On the far right is Project Manager, Duane Booth, PE, of Halff Associates, Inc.