



# RFQ

**RFQ NO. 24-001**

**CONTINUING PROFESSIONAL ENGINEERING,  
ARCHITECTURAL, LANDSCAPE  
ARCHITECTURAL, SURVEYING AND MAPPING  
CONSULTING SERVICES (CCNA)**

**Due: JAN 10, 2024 @ 02:00 PM**



Submitted By:  
Craig A. Smith & Associates  
1425 E. Newport Center Drive  
Deerfield Beach, FL 33441  
561 314 4445  
ssmith@craigasmith.com

Submitted to:  
Town of Highland Beach  
Town Clerk's Office  
c/o Skender Coma  
3614 S. Ocean Blvd.  
Highland Beach, FL 33487



## **TABLE OF CONTENTS**

**1 – Letter of Interest**

**2 – Personnel Qualifications (25 points)**

**3 – Past Experience (20 points)**

**4 – Approach To Project Management (20 points)**

**5 – Resources, Availability, and Commitment (20 points)**

**6 – References**

**7 – Certified Minority Business Enterprise (5 points)**

**8 – Required Forms**

**9 - Licenses/Insurance**

## **1 – Letter of Interest**



January 10, 2024

Town of Highland Beach  
Clerk's Office  
3614 South Ocean Boulevard  
Highland Beach, FL 33487

**RE: Request for Proposals – RFQ No. 24-001  
Continuing Professional Engineering, Architectural, Landscape Architectural, Surveying And mapping  
Consultant Services  
CAS Proposal No. 0334**

To the Members of the Evaluation Committee,

We are pleased to present Craig A. Smith & Associates (CAS) as a responsive and qualified contender for your RFQ No. 24-001 - Continuing Professional Engineering, Architectural, Landscape Architectural, Surveying and Mapping Consultant Services.

For over 43 years, our presence in the Florida engineering landscape has been defined by **seasoned expertise** in civil/utility engineering, utility locating, surveying, and construction management, solidified by our **team of committed professionals** operating from our Deerfield Beach headquarters.

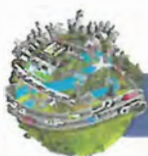
Our firm is **well-versed** in the needs of South Florida's municipalities, a result of decades spent fine-tuning our services to match the evolving requirements of communities like yours. **At CAS, we take pride in our personalized approach; we don't just see projects, we see partnerships.**

We believe the best outcomes are born from **collaborative efforts**. It's about **working side-by-side with you**, leveraging our team's skill to find cost-effective solutions that fit within your timeframe and budget. You'll find a detailed account of our approach in Section 4-Approach to Project Management of this proposal—it's where we lay down our blueprint for success.

Currently, we're in the final stages of various projects and ready to take on new assignments. Our leadership is adept at **aligning our talent where it's needed most**, gearing up for the demands of upcoming tasks with all the necessary gear and know-how. Our promise of adequate staffing is no small talk; **you can count on us to bring the right people to the table for your projects**, as outlined in Section 2-Personnel Qualifications.

**Executive Summary**

CAS is a 43-year-old established Civil/Utility Engineering, Utility Locating, Surveying, and Construction Management firm, licensed in the State of Florida and headquartered at **1425 E. Newport Center Drive, Deerfield Beach, FL 33442**. CAS overall has **43+ dedicated staff members** consisting of registered professional engineers, registered professional surveyors and the balance of staff, including CADD personnel, certified field representatives, utility locators, administrative, clerical and accounting personnel, to provide the Town with all necessary professional services required for all listed projects. The CAS Team **understands the scope of work** requested by the Town and has extensive experience in performing such duties. CAS has **completed many similar projects** for municipal clients in South Florida over the past four decades. CAS specializes in serving South Florida governments and understands the needs of such communities. We are a **client-oriented** firm, and our emphasis is on providing personalized service.



954.314.4445



1425 E. Newport Center Drive  
Deerfield Beach, FL 33442



www.craigasmith.com



Our local municipal clients include: City of Sweetwater, Village of El Portal, Town of Davie, Town of Golden Beach, City of Sunny Isles, City of Hallandale Beach, Town of Pembroke Park, City of Lauderhill, Sunshine Water Control District, City of Margate, City of Oakland Park, City of Deerfield Beach, City of Belle Glade, City of Moore Haven, Glades County, City of Okeechobee, Hardee County, Okeechobee Utility Authority.

### General Approach & Methodology

We provide **long-term relationship-based engineering services** to our clients. Our philosophy is to work with the Town's staff to provide the best possible services and solutions to complete the project cost-effectively and within the Town's budget and schedule. CAS provides a team approach while making the Town's staff an integral part of that team. The engineering design and any recommendations will be developed in the most **cost-effective manner** to achieve successful satisfactory results for all assignments. The CAS philosophy utilizes a phased approach towards assisting the Town in the development and implementation of capital improvement projects. These components are defined in detail in Section 4- Approach to Project Management.

### Firm's Current Workload

CAS is currently reaching completion on many projects and is available to accept new projects. The CAS Management Team will assign responsibilities to survey crews, utility locating crews, staff engineers, subconsultants and construction management and supporting staff as needed. All staff members involved in each assigned project will be provided with the proper resources, equipment and tools to perform the assigned work. CAS ensures that it maintains adequate staff to perform the work assigned and is able to increase staff, as needed, due to its experience and reputation in the industry. The CAS team is ready to allocate the necessary staff and resources and to work with the Town in accomplishing its goals as per contract requirements.

### Continuity of Staff

CAS has been in continuous practice for over four decades. The Town will have the advantage of knowing that many of our assigned key staff have managed and designed similar projects for coastal communities in the Tri-County area. Our internal company culture has created an environment for staff to excel and experience satisfaction. CAS is proud to state that the current average employee tenure is over 12 years. The Town of Highland Beach will have the advantage of knowing that our assigned staff will be there **throughout the duration of this contract and beyond** to offer continued knowledge as well as experience to serve the Town's interests.

### The CAS Team

**Mr. Stephen C. Smith, P.E., President** will serve as the *Contract Director/Principal-In-Charge*. He is authorized to make representations for the firm and will ensure the necessary resources are provided for the duration of the contract. Mr. Smith can be reached at (954) 815-4111 or via email at [ssmith@craigasmith.com](mailto:ssmith@craigasmith.com). **Mr. Orlando A. Rubio, P.E., Vice President of Engineering** will be the *Project Manager/Engineer of Record* for all roadway/stormwater/drainage projects for the duration of the contract. Mr. Rubio can be reached at (954) 815-5911 or via email at [orubio@craigasmith.com](mailto:orubio@craigasmith.com). **Mr. Daniel Shonk, P.E., Project Manager** will be the acting Project Manager/Engineer of Record for all water/wastewater projects for the duration of the contract. Mr. Shonk can be reached at (954) 815-9109. Both Mr. Rubio and Mr. Shonk will be supported by our experienced professionals in survey, engineering, utility locates and construction management disciplines. In addition to our CAS staff, the following sub-consultants will provide the additional professional disciplines and support which will be necessary to fulfill the scope of work. The sub-consultants are as follows: **Radise International, LLC** for geotechnical and material testing services, **Smith Engineering Consultants, Inc.** for electrical engineering services, **Florida Technical Consultants** for GIS services, **Justin Architects, Inc** for Architecture, **Cotleur & Hearing** for Landscape Architecture, **Scalar Consulting Group, Inc.** for Traffic Engineering. CAS is a full-service engineering firm and shall provide other major services "in-house" such as, overall project coordination, survey, utility locating, master planning, utility engineering design, cost estimating, permitting, grant funding assistance, bidding assistance, utility coordination, construction management and funding coordination,



954.314.4445



1425 E. Newport Center Drive  
Deerfield Beach, FL 33442



[www.craigasmith.com](http://www.craigasmith.com)



etc. The CAS Team is also knowledgeable in the latest state, local regulatory requirements. In addition, CAS always strives to provide “value-added” services to clients such as our state-of-the-art 3D Radar Tomography scanning technology and Drone Aerial Imagery capability. The CAS Team is composed of quality and experienced local South Florida firms, retaining previous similar project experience. **CAS, if selected for the contract, will commit to perform the work and to meet any project time and budgetary requirements as required.**

**Why Select CAS?**

We believe we are the best firm to perform the requested services because **CAS has successfully completed and implemented numerous multi-disciplined projects related to roadway, stormwater/drainage, water and wastewater for other similar South Florida coastal municipalities. We provide comprehensive solutions due to our breadth of expertise based on years of experience. In addition, CAS has established long-term relationships with the local regulatory agencies and permitting staff in Palm Beach County. We retain personnel who have a proven track record, to perform on time and within budget.** The CAS Team can provide all necessary disciplines required to complete any project assigned by the Town. In addition, a number of subconsultants have **previous project experience with the Town of Highland Beach.**

Stephen C. Smith, P.E., President, is authorized to bind CAS to the commitment herein, and will personally assure the adequacy of resources and the dedication necessary to fulfill the Town's requirements. We are prepared to embark on this journey with the Town of Highland Beach and eagerly anticipate the opportunity to discuss how CAS can bring value and expertise to your crucial projects.

Choosing CAS is not just about ticking boxes; it's about enlisting a firm that has a tried-and-true portfolio spanning a variety of projects. We have mastered the art of delivering solid results within tight deadlines and budgets. It's about the impact we know we can make.

CAS would be honored to have the opportunity to work with the Town of Highland Beach in this capacity and look forward to favorable consideration.

Sincerely,

CRAIG A. SMITH & ASSOCIATES

Stephen C. Smith, P.E.  
President



954.314.4445



1425 E. Newport Center Drive  
Deerfield Beach, FL 33442



[www.craigasmith.com](http://www.craigasmith.com)

## **2 – Personnel Qualifications (25 points)**



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 2 – PERSONNEL QUALIFICATIONS

At our firm, we take immense pride in the strength of our team, a seasoned group of professionals who collaborate seamlessly due to their extensive prior experience working together. This cohesive unit has honed its ability to anticipate each other's strengths and leverage collective expertise, resulting in a highly efficient and synchronized workforce. The shared history of collaboration not only fosters a positive work environment but also significantly enhances the quality and speed of project delivery. Our team's familiarity with each other's working styles allows for quick decision-making and ensures that our clients receive the utmost value from a group that operates as a unified force.

Moreover, our firm boasts a wealth of experience in executing projects within the tri-county area, showcasing a comprehensive understanding of the local landscape and regulatory nuances. The team's familiarity with the unique challenges and opportunities in coastal communities positions us as a standout choice for projects in the area. Notably, our extensive track record includes successful endeavors in the Town of Highland Beach, where our subcontractors have previously collaborated on various projects. This localized experience adds an extra layer of expertise to our offerings, enabling us to provide unparalleled insight and efficiency in navigating the specific requirements of the Highland Beach community. With our experienced team and a history of successful projects in the tri-county area, we are well-equipped to surpass expectations and deliver exceptional results.

For more detailed information for key CAS team staff, please see attached organizational chart and resumes.



# TOWN OF HIGHLAND BEACH

## CRAIG A. SMITH & ASSOCIATES

\* CIVIL ENGINEERS \* SURVEYORS \* UTILITY LOCATORS \*

**Stephen C. Smith, P.E.**  
President  
CONTRACT DIRECTOR/  
PRINCIPAL-IN-CHARGE

**Daniel E. Shonk, P.E.**  
Project Manager  
WATER/WASTEWATER UTILITY - PROJECT  
MANAGER/ENGINEER OF RECORD

**Orlando A. Rubio, P.E.**  
Vice President of Engineering  
STORMWATER/ROADWAY - PROJECT  
MANAGER/ENGINEER OF RECORD

**\*KEY STAFF ARE HIGHLIGHTED IN  
YELLOW**

### SURVEY & MAPPING

**Robert D. Keener, PSM**  
Vice President - Survey

**David Lookabill**  
Survey Coordination  
Manager

**William Kalbach, PSM**  
Project Manager - Survey

**Donald Drake**  
Crew Chief

**David Raines**  
Crew Chief

### SUBSURFACE UTILITY ENGINEERING (UTILITY LOCATES)

**James F. Driscoll**  
Director Utility Locates

**Alan Lopez**  
Locates Supervisor

### WATER/WASTEWATER UTILITY ENGINEERING

**Daniel Shonk, P.E., S.I.**  
Project Engineer

**Greg Giarratana**  
Senior Supervising Engineer

**Keith Schriener**  
Project/Field Engineer

### CONSTRUCTION MANAGEMENT

**Todd V. Larson**  
Project Manager-  
Construction

**William Tanto**  
Senior Field  
Representative

**David Miller**  
Senior Field  
Representative

### STORMWATER/ROAD WAY ENGINEERING

**Orlando A. Rubio, P.E.**  
VP Engineering

**Frank Vilar, P.E.**  
Senior Supervising Engineer

**Al Caruso, E.I.**  
Project Engineer

### GEOTECHNICAL & MATERIAL TESTING

**RADISE International,  
LLC.**  
(Subconsultant)

### GIS SERVICES

**Florida Technical  
Consultants, LLC.**  
(Subconsultant)

### TRAFFIC ENGINEERING

**Scalar Consulting Group  
Inc.**  
(Subconsultant)

### ELECTRICAL ENGINEERING

**Smith Engineering  
Consultants, Inc.**  
(Subconsultant)

### LANDSCAPE ARCHITECTURE

**Cotleur & Hearing**  
(Subconsultant)

### ARCHITECTURE

**Justin Architects**  
(Subconsultant)



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 2 – PERSONNEL QUALIFICATIONS

### KEY CAS PERSONNEL

#### CONTRACT MANAGEMENT

**CAS Staff: Stephen C. Smith, P.E.**

- Contract Negotiation & Administration
- Allocate Staff & Resources for Assigned Projects
- Initial Project Planning & Scheduling
- Project Quality Assurance & Control
- Develop Fee Proposal for each Project
- Project Management Support
- Town Commission Presentations

#### ENGINEERING DESIGN – STORMWATER/DRAINAGE & ROADWAY

**CAS Staff: Orlando A. Rublo, P.E., Frank Villar, P.E., Al Caruso, E.I.**

- Project Planning & Conceptual Design
- Project Design (Stormwater/Drainage System)
- Hydraulic Modeling
- Regulatory Permitting
- Contract Document Development
- Cost Estimation and Budget Support
- Bidding & Contract Award Services
- Stormwater/Flood Management
- Stormwater Pollution Prevention Plans

#### ENGINEERING DESIGN – WATER/WASTEWATER UTILITIES

**CAS Staff: Daniel E. Shonk, P.E., Greg Glarratana, Kelth Schrlner**

- Project Planning & Conceptual Design
- Project Design (Water Treatment, Wastewater Treatment, Water Distribution, Wastewater Collection & Conveyance)
- Hydraulic Modeling
- Regulatory Permitting
- Contract Document Development
- Cost Estimation and Budget Support
- Cost/Benefit Analysis
- Bidding & Contract Award Services
- Process Water & Wastewater Evaluations

#### CONSTRUCTION MANAGEMENT

**CAS Staff: Orlando A. Rublo, P.E., Daniel E. Shonk, P.E.**

- Schedule Pre-Construction Meeting
- Establish Construction Schedule
- Schedule Construction Progress Meetings
- Shop Drawing Review
- Project Cost & Schedule Control
- Grant Administration
- Daily Coordination with Contractor & Field Inspectors
- Pay Application Review & Approval
- Review & Approve Change Orders (as needed)



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

**2 – PERSONNEL  
QUALIFICATIONS**

**SURVEY**

**CAS Staff: Robert Keener, P.S.M., William Kalbach, P.S.M., David Lookabilll**

- Allocate Survey Crews
- Conduct Survey
- Develop Topographic/Boundary, Right-of-Way, Utility Survey
- Legal Description & Easement Recording
- Coordinate with Utility Locating Crews

**SUBSURFACE UTILITY ENGINEERING (UTILITY LOCATES) (AS NEEDED)**

**CAS Staff: James F. Driscoll, Alan Lopez**

- Vacuum Potholes
- Electromagnetic Induction (EM) for tonable utilities
- 2-D Ground Penetrating Radar (GPR)
- 3-D Radar Tomography Scanning

**CONSTRUCTION OBSERVATION & FIELD INSPECTION**

**CAS Staff: Todd V. Larson, William Tanto, David Miller**

- Provide Inspection of Materials
- Provide Inspection during Construction
- Provide Daily Construction Log
- Field Adjustments/Trouble Shooting
- Process Contractor Payments/Change Orders
- Develop Final Punch List
- Certification of Work/Permit Close-Out
- Project Close-Out

**CAS TEAM (SUBCONSULTANTS)**

**GEOTECHNICAL & MATERIAL TESTING SERVICES**

**RADISE International. LC.**

**Key Staff: Sasidhar R. Aylthi, P.E., Akash Bissoon, P.E., Kumar Allady, P.E.**

**ELECTRICAL ENGINEERING**

**Smth Engineering Consultants**

**Key Staff: Larry Smith, P.E., Steve Hockman**

**GIS SERVICES**

**Florida Technical Consultants, Inc.**

**Key Staff: James Barton, P.E., Teresa, Chapman**

**Experienced In working with the Town of Highland Beach**

**ARCHITECTURAL SERVICES**

**Justin Architects, P.A., (formerly Cartaya & Associates)**

**Key Staff: Carlos Justiniano, Justin Justiniano,**



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 2 - PERSONNEL QUALIFICATIONS

**LANDSCAPE ARCHITECTURE**

Coteleur & Hearing, LLC.

Key Staff: Robert J. Coteleur, ASLA, PLA, Donladson E. Hearing, PLA, ASLA, LEED AP, Daniel T. Sorrow,  
PLA, AICP, LEED AP BD+C, ISA-CA

**Experienced In working with the Town of Highland Beach**

**TRAFFIC/TRANSPORTATION ENGINEERING SERVICES**

Scalar Consulting Group, Inc.

Key Staff: Jim Clark, Marla Missena



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

### Areas of Expertise

- Project Management
- Quality Assurance/Quality Control
- Stormwater Master Planning, Design, Implementation & Management
- Roadway Design & Management
- Resource Management
- Project Scheduling
- Project Budgeting
- Constructability Review

### Education

- Auburn University, Auburn, Alabama  
Bachelor of Science, Civil Engineering 1988
- Auburn University, Auburn, Alabama  
Bachelor of Science, Building Construction - 1986

### Licensure

- Florida Licensed Engineer  
PE48914

### Affiliations

- Florida Engineering Society (FES)
- American Society of Civil Engineers (ASCE)
- Florida Institute of Consulting Engineers
- 

Employment with CAS: 34 yrs  
Employment with other firms:  
3 yrs

## Stephen C. Smith, P.E.

President



Mr. Smith has over 37 years of experience in the engineering, survey and utility construction fields.

Mr. Smith's responsibilities include management of daily business operations for a 40+ member civil engineering and surveying firm with gross sales of \$5+ million. He oversees all areas of business including engineering, surveying, construction management services, subsurface utility engineering, accounting and human resources. Specifically, Mr. Smith also oversees all transportation/roadway and stormwater projects including studies, reports and design. He ensures proper allocation of resources, staffing, financial management, quality control and timely project completion.

### Selected Relative Experience:

**Andrews Avenue Widening and Intersection Improvements - Broward County, Florida.** Responsible for the roadway widening and stormwater design improvements from Cypress Road to Racetrack Road, including intersection improvements at McNab Road and Racetrack Road. Performed project management for construction observation services.

**Bliscayne Boulevard Widening and Intersection Improvements - Miami-Dade County, Florida (FDOT District 6).** Responsible for the roadway widening and stormwater design improvements from NE 163<sup>rd</sup> Street to 203<sup>rd</sup> Street, including intersection improvements.

**Utility Master Plan, Design and Construction Management for Town Wide 6 Phase Stormwater Improvement Plan and Water Main Replacement - Town of Golden Beach, Miami-Dade County, Florida.** Responsible for the master planning, project management, resource allocation, scheduling, budgeting and quality assurance of the stormwater and watermain and utility undergrounding design. Also responsible for the project management of the stormwater and water main construction and implementation.

**Stormwater Master Plan, Design and Construction Management for City Wide Priority Based Stormwater Improvement Plan - City of Oakland Park, Broward County, Florida.** Responsible for the master planning, project management, resource allocation and quality assurance of the stormwater design, as well as the project management of the stormwater construction and implementation.

**Stormwater Master Plan, Design and Construction Management for City Wide 6 Phase Stormwater Improvement Plan - City of Sweetwater, Miami-Dade County, Florida.** Responsible for the master planning, project management, resource allocation, scheduling, budgeting and quality assurance of the stormwater design, as well as the project management of the stormwater construction and implementation.



### Areas of Expertise

- Project Management
- Hydrology/Hydraulics
- Computer Modeling
- Stormwater Master Plan
- Climate Change Sea Level Rise Design
- Environmental Resource Permitting
- State of Florida Appropriations Grants
- SRF Loan
- FEMA Hazard Mitigation Grant Program
- FEMA Pre-Disaster Mitigation Competitive Grant Program
- FDEP – S319 Grant Program
- Estimating/Bidding Services
- Construction Management
- Constructability Reviews
- NPDES
- Municipal Site Plan Reviews

### Education

- (AA)Miami-Dade College
- (BSCE) University of Florida
- FDEP – Qualified Stormwater Management Inspector (#7638)
- CEU's – On going

### Licensure

Florida Licensed Professional Engineer – PE No. 48265

Employment with CAS: 21 yrs

Employment with other firms or government agencies: 13 yrs

### Orlando A. Rubio, PE

Vice President  
Engineering Department



Mr. Rubio has over 35 years of experience in the engineering field with a primary focus in the water resources engineering.

Mr. Rubio is responsible for the development of project scopes, stormwater master plans, State & Federal Grant applications, advanced stormwater modeling using ICPR, Hydraflow, & HEC-RAS modeling software programs, construction plans of roadways, land development projects, various surface water management systems in accordance with established criteria, engineering principles, and normal construction practices; development of environmental resources permit packages; and permit agency coordination. He performs construction management and conducts field & office visits with clients, permitting agency staff, and other project coordination as necessary. Mr. Rubio has conducted plan and engineering reviews for compliance for municipal clients and comes from a regulatory background from the South Florida Water Management District and Broward County Water Resources Division.

### Selected Relative Experience:

**City of Sweetwater Stormwater Improvements (Phase I, IIA, III, & IV) - Miami-Dade County, Florida.** As Engineer of Record, designed and permitted stormwater improvements within an area of significant historical flooding concerns. Improvements included the design of stormwater gravity collection systems with 8 stormwater pumping stations designed by other CAS staff. Performed computer modeling for each phase. Provided construction engineering services as requested by the City's CEI firm.

**City of Sweetwater Stormwater Improvements (Phase IIB) - Miami-Dade County, Florida.** As Engineer of Record, designed and permitted stormwater improvements within an area of significant historical flooding concerns. Applied for and obtained grant funding for project via FEMA-PDMCG. Improvements included the design of stormwater gravity collection systems with 2 stormwater pumping stations designed by other CAS staff. Performed computer modeling for this phase. Will provide construction engineering services as requested by the City's CEI firm.

**Okeechobee County Southwest Drainage Improvements - Okeechobee County, Florida.** As Engineer of Record, designed and permitted stormwater improvements in accordance with the CAS-developed master plan within an area of significant historical flooding concerns. Obtained FEMA HMGP funds for project. Provided construction management services and project certification.

**Ranch Lakes Estates Stormwater Improvements (Phases I, II, & III) - Moore Haven, Florida.** Design and permitting of stormwater improvements within an area of significant historical flooding concerns. Applied for and obtained grant funding for project via FEMA-HMGP. Improvements included stormwater gravity collection system and 2 stormwater pumping stations designed by other CAS staff.



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

### Areas of Expertise

- Land Surveying
- Boundary / Topo
- Control Surveys
- Utility Surveys
- 3D Radar Tomography
- GPS
- Platting
- Route Surveys
- Legal Descriptions
- Plat Reviews
- Laser Scanning
- Crew Supervision
- Technical Reviews
- Scheduling & Productivity
- Flood Elevation Certificates

### Education

- Associates of Art, Atlantic Community College
- CEU's - On going

### Licensure

- Professional Surveyor & Mapper, Florida #LS4846

### Affiliations

Florida Surveying and Mapping Society (FSMS)

Employment with CAS: 27 yrs  
Employment with other firms:  
17 yrs

## Robert D. Keener, P.S.M.

Vice President

Survey / Geomatics



Mr. Keener has 45 years of experience in the survey, engineering and utility construction fields.

Mr. Keener has been employed with CAS since April of 1995. He began his career at CAS as a Project Surveyor, advancing to Senior Surveyor and Mapper In charge of surveying in a satellite office and advanced to Vice President in 2005. Mr. Keener will serve as Principal Surveyor for all surveys and will coordinate all survey activities with various disciplines as needed. He has previously performed plat reviews for municipal clients. Mr. Keener holds a Florida Surveyors and Mappers License and is a member of the Florida Surveying and Mapping Society of Florida.

### Selected Relative Experience:

**595 Express Subsurface Utility Engineering and 3D Radar Tomography - Broward County, Florida.** Served as Principal Surveyor for the 3-Dimensional Subsurface Utility Engineering (3D SUE) project completed for the FDOT at the Interstate 595 reversible lanes project in Broward County, Florida. Oversaw the reestablishment of horizontal and vertical control, the mapping of utility surface markings and utility excavation holes, as well as Radar Tomography utilized in various areas along the entire route. Also performed all quality control and quality assurance for the project.

**Seacoast Utility Authority: Northlake Boulevard/US-1 Water & Sewer Force Main Replacement - Town of Jupiter, Florida.** Served as Principal Surveyor for route survey along Northlake Boulevard and US-1 (approximately 2.8 miles), including identification of right-of-way, property lines, above ground improvements, utility easements, tree survey, cross sections and subsurface utility engineering (utility locates). Mr. Keener performed quality control and quality assurance for the project.

**Golden Beach Drive & Collins Avenue - Town of Golden Beach, Florida.** Principal Surveyor for the route survey within the rights-of-ways of Golden Beach Drive, out to the three islands and along Collins Avenue (SR A1A) for drainage improvements due to major flooding issues; total roadway reconstruction, undergrounding of all utilities; water main replacement and miscellaneous surveys, as needed. Route spanned approximately three miles. Surveying also included all city parks and a beach pavilion.

**Town of Golden Beach Stormwater Improvements Phase III and IV - Golden Beach, Florida.** Survey, utility locates, design consistent with Stormwater Master Plan, permitting, cost estimating, construction management and observation, survey for record drawings, testing, startup and certifications through project close-out for the construction of a stormwater submersible master pump station, 14,500 linear feet of drainage pipe and pressure main (16"-72" diameter), 205 drainage structures and 7 outfalls to provide drainage with **Hydrodynamic Separators (Downstream Defenders)** for water quality treatment and a **Tideflex Checkmate Valves** for tidal backflow prevention purposes.

**City of Moore Haven Stormwater System Improvements, Moore Haven, Florida.** Planning, survey, utility locates, design, permitting bidding assistance and construction management and inspection services for The Ranch Lakes Estates Improvements Project for the City of Moore Haven which consisted of the construction of a gravity stormwater drainage system along with two master stormwater pump stations including force mains and canal dredging. Construction included the installation of 7,103 linear feet of HDPE drainage pipe ranging in diameter from 15-inch to 48-inch, 1,044 linear feet of force main, 76 drainage structures and two duplex stormwater pump stations.

### Misc. Flood Elevation Certificates.

Per the close out requirements of various counties and municipalities, Mr. Keener is proficient with the preparation of FEMA Flood Elevation Certificates for all phases of construction.



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

### Areas of Expertise

- Land Surveying
- Boundary / Topo
- Lot Surveys
- Control Surveys
- Utility Surveys
- 3D Radar Tomography
- GPS
- Route Surveys
- Crew Supervision
- Construction Layout
- Quantity Surveys and Calculations
- Utility Coordination
- Directional Drills

### Education

- MSI, Port Saint Lucie, Florida – 2011, A.S.
- Indian River Community College, Stuart, Florida – 2006, Survey Law
- Davidson County Community College, Lexington, NC – 1997, AutoCAD 1 & 2
- Guilford Technical Community College, Jamestown, NC – 1988, Civil Drafting and Civil Engineering CAD/CADD

Employment with CAS: 8 yrs  
Employment with other firms:  
30 yrs

### David Lookabill

Survey Coordination Manager  
Survey/Geomatics Department



Mr. Lookabill has 39 years of experience in the survey, engineering and utility construction fields.

Mr. Lookabill began his surveying career as a Rod Man quickly advancing to Survey Crew Leader and Survey Coordination Manager. He has varied experience in many facets of surveying. He also has vast experience in utility construction such as directional drilling and fuel pipe line staking and as built performed across the United States. Mr. Lookabill has been employed by CAS since 2014 as a Survey Crew Leader and promoted to Survey Coordination Manager.

Responsibilities include field management, client field coordination, survey crew management and quality control in the field.

### Selected Relative Experience:

**Miami-Dade Water and Sewer Department Force Main 604 Replacement, Miami-Dade County, Florida.** Surveying within the Rights of Ways of NW SW 113<sup>th</sup> Place and SW 224<sup>th</sup> Street east to SW 109<sup>th</sup> Avenue for sewer force main replacement within heavily populated area. Primary and secondary horizontal control points were established utilizing RTK GPS methods. Vertical control was established by a differential level loop based on Miami-Dade County Benchmarks. Route spanned approximately  $\frac{3}{4}$  miles.

**Florida Highway 92 Improvements, Lakeland, Florida.** Survey for engineering re-design along Highway 92 from North Galloway Road to North Wabash Avenue. Primary and secondary horizontal and vertical control points were established by "leap frogging" multiple base stations 1.5 to 2 hour sessions and then processed through the OPUS software routine. Boundary monumentation was located by (4) 1-minute observations done in pairs at intervals of at least 3 hours.

**Interstate 95 Improvements, Palm Beach County, Florida.** Survey for engineering re-design along Interstate 95 in Palm Beach County from Indiantown Road to PGA Boulevard. Primary and secondary horizontal and vertical control points were established by "leap frogging" multiple base stations 1.5 to 2 hour sessions and then processed through the OPUS software routine. Boundary monumentation was located by (4) 1-minute observations done in pairs at intervals of at least 3 hours.

**FDOT Weight Station, Martin County, Florida.** Survey for construction staking along Interstate 95 in Martin County, Florida, north of Indiantown Road. Horizontal and vertical control points were established by the design survey company contracted by the FDOT and confirmed in the field by tying to local NGS and FDOT monumentation for the purposes of construction layout. Laid out roads, ramps, tapers, swales, ditches, etc.

**SFWM Benchmark Recovery, Clewiston, Florida.** Project to establish or re-establish vertical control from Clewiston, Florida to the Big Cypress Indian Reservation. First order bench loops were run utilizing differential digital leveling through benchmarks as researched and either verified or re-set. NGS monumentation was utilized for the project.





## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

### Areas of Expertise

- 3D Radar Tomography
- Subsurface Utility Engineering
- Utility Locating
- Ground Penetrating Radar
- Utility Coordination
- Project Logistics
- Complex Field Survey
- Quality Assurance

### Education

- Broward Community College
- US Army
- Route Surveying
- Survey & Engineering
- MOT Training
- OSHA Training
- OQ Training

### Certifications

- Certified Utility Locator
- Certified GPR Technician
- OQ Training Certification

### Affiliations

- National Utility Locating Contractors Association (NULCA)

Employment with CAS: 29 yrs

Employment with other firms:  
3 yrs

### James F. Driscoll

Director

Subsurface Utility Engineering



Mr. Driscoll has 32 years of experience in the engineering, survey and utility location fields.

Mr. Driscoll serves as the operator and field manager of Radar Tomography projects throughout the United States. Mr. Driscoll coordinates Sunshine State One Call ticket management and locating services for numerous Florida municipalities and privately owned utility companies. He also provides assistance in the performance of electronic designating, layout, and completion of vital soft dig information for vacuum excavation projects. He performs ground penetrating radar surveys for various clients to locate and identify underground facilities. Mr. Driscoll also serves as Division Training Manager and QC Auditor.

Mr. Driscoll has performed over 15,000 G.P.R. surveys and over 20,000 miles of utility surface designating throughout the United States. Additionally, Mr. Driscoll has performed in excess of five million square feet of 3D Radar Tomography scanning projects at various locations throughout the United States. He is proficient with state-of-the-art, traditional, and GPS surveying equipment and is substantially proficient with EM designating equipment, vacuum excavation equipment and various GPR systems with special emphasis on 3D Radar Tomography systems.

### Selected Relative Experience:

**Town of Davie Public Utilities, Utility Location and Ticket Management Services - Town of Davie, Florida.** Mr. Driscoll served as the coordinator overseeing One Call Locates and Ticket Management for one of the largest town-owned utilities in South Florida. Facilities include water, sewer, reclaim, raw water and effluent pipelines. Currently, Mr. Driscoll oversees ticket management and day to day coordination for the Town of Davie.

**City of West Palm Beach, Utility Location and Ticket Management Services - West Palm Beach, Florida.** Mr. Driscoll served as coordinator overseeing One Call Locates and Ticket Management for city-owned utilities for the City of West Palm Beach. The system includes water, sewer, reclaimed water, raw water, minor power and networked communications. Currently, Mr. Driscoll oversees ticket management of over 7,000 locates annually for the City.

**City of Delray Beach Water Utilities, Utility Location and Ticket Management Services - Delray Beach, Florida.** Mr. Driscoll serves as the field manager and coordinator overseeing One Call Locates and Ticket Management for this client. The system includes water, sewer, reclaimed water, raw water, effluent. Currently, Mr. Driscoll oversees ticket management of 7,560 locates annually for the City of Delray Beach.



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

### Areas of Expertise

- Subsurface Utility Engineering
- Utility Locating
- Ground Penetrating Radar
- 3D Radar Tomography
- Utility Coordination
- Utility Construction

### Education

- Staking U
- Mala GPR Tech
- EM Theory & Application
- MOT Training
- OSHA Training
- Confined Space Entry

### Affiliations

- National Utility Locating Contractors Association (NULCA)

Employment with CAS: 15 yrs

Employment with other firms:

7 yrs

### Alan Lopez

SUE Manager

SUE / Utility Locates



Mr. Lopez has 22 years of experience in the utility locating, SUE, survey and utility construction fields.

Mr. Lopez has been employed with CAS since February 2004, starting as a soft dig crew member, and through experience, advanced from utility locator to Senior Locator and Field/SUE Manager overseeing all locating field operations. Mr. Lopez has performed or overseen in excess of 5,000 vacuum soft digs, as well as thousands of ground penetrating radar surveys and utility mapping efforts.

Mr. Lopez is a Certified Underground Utility Locator and GPR Technician. Mr. Lopez is also MOT certified, confined space entry certified and OSHA 10hr Certified.

### Selected Relative Experience:

**Town of Jupiter Utility Location and Ticket Management Services - Jupiter, Florida.** Mr. Lopez has served Field Manager for the Town of Jupiter Sunshine One Call contract since 2015. Currently Mr. Lopez oversees ticket management and day to day coordination for the Town.

**Palm Beach County Utility Location and Ticket Management Services - Palm Beach, Florida.** Mr. Lopez has served Field Manager for the Palm Beach County Sunshine One Call contract since 2022. Currently Mr. Lopez oversees ticket management and day to day coordination for the County.

**City of West Palm Beach Public Utilities, Utility Location and Ticket Management Services - City of West Palm Beach, Florida.** Mr. Lopez has served as a utility locator, Senior Locator and Field Manager overseeing One Call Locates and ticket management for the City of West Palm Beach.

**Town of Davie Public Utilities, Utility Location and Ticket Management Services - Town of Davie, Florida.** Mr. Lopez has served as utility locator and Field/Client Manager for this sprawling utility system. Davie is the largest municipality in Broward County by land area and serves a significant population. Facilities include water, sewer, reclaim, raw water and effluent pipelines. Currently Mr. Lopez oversees ticket management and day-to-day coordination for the Town of Davie.

**City of Coconut Creek Utility Location and Ticket Management Services - Coconut Creek, Florida.** Mr. Lopez has served Field Manager for this large city-owned utility system since 2003. Facilities include water, sewer, reclaim, and city owned networked communications. Currently Mr. Lopez oversees ticket management and day to day coordination for the City of Coconut Creek.

**City of Pembroke Pines - Pembroke Pines, Florida -** Mr. Lopez has served as a Utility Locator, Senior Locator and Field Manager overseeing One Call Locates and ticket management for the City of Pembroke Pines.



**Areas of Expertise**

- Project Management
- Cost Estimating
- Land Surveying – Design & Construction
- Water, Sewer & Gas Pipeline Design
- Sewer Pump Station Design
- Production Well Rehabilitation
- Permitting
- Bidding Services
- Construction Management
- Constructability Reviews
- Feasibility Studies

**Education**

- (BS Civil Engineering/Surveying) Ohio University

**Affiliations**

- American Society of Civil Engineers (ASCE)

**Licensure**

- Florida & Ohio Licensed Professional Engineer – # PE 90263

**CAS Employment: 2Yrs**

**Employment w/Others: 17 Yrs**

**Daniel E. Shonk, P.E., S.I.**

**Project Manager/Designer**

**Engineering Department/Survey Department**



Mr. Shonk has over 19 years of experience in the fields of surveying and engineering design of numerous public and private sector utility and infrastructure projects for Utility Companies and the Department of Transportation. He retains extensive experience in the design of water, wastewater systems, master planning, gas pipelines, roadway/drainage, site design/development, production well rehabilitation, construction management and construction field inspection.

**Selected Relative Experience:**

**Egret Wastewater Tri-Plex Lift Station Improvements – City of Hallandale Beach.** This project consisted of the conversion of an existing triplex wet pit dry pit wastewater pump station to a triplex submersible lift station. The existing pump station was constructed in 1967 and consisted of three large centrifugal pumps with the largest pump being a 200 HP. The existing structure was converted into a submersible lift station with three 1,800 gpm submersible pumps. The rehabilitation included installing a new influent structure on the east side of the pump station in which the existing 30-inch diameter influent pipe will be exposed into a rectangular open channel type structure. The structure is approximately 20 deep where a mechanical sewage grinder rated at 2,500 gpm was installed on a rail system for easy installation and removal. The structure is enclosed with a concrete top slab with an aluminum hatch to access the mechanical grinder for service and or removal. The project included electrical, control panel and emergency generator upgrades. The total design cost including construction management services is \$426,222 and the construction cost was \$3.5 million.

**Septic-to-Sewer Master Plan, Town of Pembroke Park, Florida.** The scope of work included the creation of an Updated Wastewater System Master Plan to identify, document and evaluate the Town's existing wastewater management system. CAS will evaluate the existing force main network, identify existing lift stations (a total of 35) and line conditions, capacities and analyze future needs. The updated master plan will outline a systematic phased approach to achieve system reliability, capacity, increased efficiency and identify the infrastructure required to achieve these goals.. Total fees for this project are \$372,490.

**Wastewater & Potable Water Improvements, Phase 8 – Hardee County, Florida.** The project consisted of the construction of a sanitary sewer & potable water system expansion, sewer & water services, and other appurtenances. CAS provided preliminary engineering, engineering design services, construction plans, project management, permits, bidding services, engineering services during construction and construction observation services during the construction phase of the project and project close-out services. The scope of work includes: The addition of approximately 6,200 feet of 8 inch diameter sanitary sewer mains, gravity sewer and manholes; and 9,700 feet of 10-Inch, 8-Inch, and 6-Inch watermains, and the abandonment and removal of existing septic tanks, conversion of all residences to the proposed sanitary sewer system via sewer laterals, a complete road replacement within the limits of construction in the road, and the restoration of driveway aprons and sod within the right-of-way. All water services were transferred from existing well to the Hardee County Water System.



### Areas of Expertise

- Water & Sewer Utility Engineering
- Water Treatment Plant Design
- Wastewater Treatment Plant Design
- Hydraulic Computer Modeling
- Potable Water Wells
- Pipeline Design
- Pump Station Design
- Leachate Treatment
- Land Fill Design
- Construction Management
- Permitting
- Sludge Treatment & Disposal

### Education

- Bachelor of Science – Civil Environmental Engineering, Roger Williams University

### Affiliations

- American Society of Civil Engineers (ASCE)
- American Water Works Association (AWWA)
- Water Environment Federation (WEF)

Employment with CAS: 25 yrs  
Employment with other firms: 20 yrs

### Greg A. Giarratana

Senior Supervising Engineer  
Engineering Department



Mr. Giarratana has 45 years of experience in the civil and environmental engineering fields, including water and wastewater treatment plant designs, permitting, construction management, certification, troubleshooting existing treatment systems, pump stations, sanitary sewer force mains, collection systems and potable water pipe lines.

Mr. Giarratana has worked in the consulting field specializing in all aspects of water and wastewater engineering since 1977 and has been working with CAS since 1998. Mr. Giarratana is responsible for managing civil and environmental projects including their initial planning, financing, designing, permitting, construction management and certification of completion.

#### **Selected Relative Experience:**

**Glades County Wastewater Treatment Plant - Moore Haven, Florida.** Responsible for design, permitting and construction management for the conversion of an extended aeration activated sludge wastewater treatment plant to an advanced tertiary membrane biological reactor (MBR) treatment plant including a man-made 52 acre wetlands disposal system.

**Glades County/CCPWA Industrial Park Sanitary Sewer Improvements, Glades County, Florida.** Responsible for design, permitting and construction management of the Glades County Industrial Park Sanitary Sewer Improvements included the installation of a duplex submersible lift station including electrical controls and electrical service to site, as well as, installation of approximately 750 linear feet of 6" force main and 1,180 linear feet of 8" and 10" gravity sewer mains with six (6) manholes.

**Wauchula Hills Water and Sanitary Sewer Improvements - Phase IV, Hardee County, Florida.** Responsible for design, permitting and construction management of the water and sanitary sewer improvements included approximately 6,125 linear feet of 8" water main and 5,277 linear feet of 8" gravity sanitary sewer including connection to 51 private residences and the decommissioning of septic tanks and potable water wells. This project was funded through a multi-year special legislative appropriation.

**Water and Sewer Treatment Plants Including Water Utility Headquarters Building - Wauchula Hills, Hardee County, Florida.** Responsible for design, permitting and construction of a wastewater treatment plant and effluent re-use disposal system including off site sanitary sewer installation and six (6) sanitary sewer lift stations. The project included a potable water treatment plant, two (2) potable water wells, and a custom designed 9,000 sq. ft. Utility Department office building.

**Lake Region Water Treatment Plant Raw Water & Potable Water Transmission System - Palm Beach County Water Utilities, Florida.** Responsible for the design and permitting of 91,200 linear feet of potable water mains to connect the cities of Pahokee, Belle Glade and South Bay to the new Glades Utility Authority's (GUA's) regional water treatment plant. The project includes the design of the raw water piping to seven (7) well sites. The project allowed these three (3) cities to abandon and decommission their antiquated water treatment plants that were utilizing Lake Okeechobee as their water source.



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

### Areas of Expertise

- Utility Design
- Utility Calculations
- Permitting
- Construction Services
- Cost Estimates
- Feasibility Studies
- Bid Services
- Contract Documents

### Education

- University of Central Florida, Orlando, Florida  
Bachelor of Science, Civil Engineering 2013

### Affiliations

- American Society of Civil Engineers (ASCE)
- Associated Builders and Contractors, Inc. (ABC)

### Software Experience

- Excel
- AutoCAD
- ICPR
- GIS

Employment with CAS: 7 yrs  
Employment with other firms:  
0 yrs

### Keith Schriner

Project Engineer  
Engineering Department



Mr. Schriner has 7 years of experience in the engineering field with a primary focus in water distribution and sanitary sewer collection and transmission systems.

Mr. Schriner works with staff and clients to help secure project funding through grant and loan programs like USDA, SRF and CDBG programs; specializing in water main, force main, gravity sewer and sanitary lift station designs. He has experience in design (including knowledge of CAD software), estimating, construction observations, construction services and permitting through regulatory agencies like FDOT, FDEP and FL Health Departments.

### Selected Relative Experience:

**Hardee County - Wauchula Hills Phase 4.0, Water & Sewer Improvements.** Wauchula Hills is a very old neighborhood with residences on both well and septic tanks, eventually resulting in high levels of groundwater contamination. The scope of this project includes designing a gravity sewer collection system to tie into an existing system and expanding on an existing water main system to service the rest of the neighborhood.

**Okeechobee County - SW 28<sup>th</sup> Street & 3<sup>rd</sup> Terrace Roadway Improvements.** This particular area of Okeechobee experienced noticeable roadway settlement at fourteen locations along an existing gravity storm system. Custom details were produced to clearly define the scope for each trench restoration area. A valley gutter was also installed in swales to allow runoff to flow into existing inlets and keep water from ponding on driveways.

#### **City of Margate, Lift Station #7 - Margate, Florida.**

The Lift Station No. 7 Renovation Project consisted of decommissioning the existing wet pit/dry pit lift station and reinstalling a new wet well and valve vault; including the installation of all SS piping inside the proposed wet well, relining existing structures, force main replacement, water service, fencing, and upgrading the electrical equipment, control panel and SCADA system. This project is a continuation of a design that was done in 2008 and CAS was tasked to update the current design plans to today's standards. The total cost for updating the existing engineering plans was \$54,932 and includes the force main replacement scope extension, survey, contract documents, permitting, bidding and construction services.

**City of Margate, Lift Station #21 Renovation - Margate, Florida.** The project consisted of retrofitting an existing wet well/drywell lift station into a lift station with submersible pumps inside a 25' x 35' easement. The scope included installing a retaining wall to flatten the site, decommissioning the existing drywell, removing and replacing the existing wet well cone with a straight wall section, and relining the interior walls with a cementitious coating. Due to limited space, the valve vault was eliminated and all valves/fittings which would normally be inside a vault were installed above ground.



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

### Areas of Expertise

- Project Management
- Design Review
- Code Conformance & Enforcement
- Grant Application
- Grants Management
- Utility Operations
- Utility Coordination
- Sediment and Erosion Control
- Emergency Management

### Education

- University of Tampa- BS in Chemistry and Marine Science
- University of Tennessee – Graduate School Chemistry
- Drinking Water Treatment Operations
- Wastewater Treatment Operation
- FEMA NIMS Training Level 100, 200, 300, 400,700,800.
- OSHA Training
- CEU's

### Licensure

- Florida Licensed Water Treatment Plant Operator 5083A
- Florida Licensed Wastewater Treatment Plant Operator 6341B
- Level 1 and 2 Code Enforcement Certified
- Certified Advanced Erosion and Sediment Control Inspector

Employment with CAS: 3 yrs  
Employment with other firms:  
42 yrs

### Todd V. Larson

Project Manager  
Engineering Department



Mr. Larson has 45 years of experience relating to public improvement projects and private development projects. Private development experience include start to finish, Design Review Committee, development fee calculations, zoning and code plan review, site inspections and review of certifications by engineer of record.

Mr. Larson's municipal project experience includes grant application, grant management, project management and project close out experience. He has worked on grant projects using enterprise funds, county parks, surtax and MPO grants, FDOT and FDEP grants, CDBG grants, FEMA disaster recovery and PDMA grants and USDA Rural Development grants.

### Selected Relative Experience:

**Town of Pembroke Park, Broward County, FL – Public Services Director**  
Supervised the operations of the roads and streets, utilities department, building department, parks department, engineering, zoning and code enforcement departments. Performed plan reviews for engineering, zoning and general interests of the town. Served on the Development Review Committee. Supervised and performed inspections for utilities and zoning. Calculated Town impact fees, engineering fees and made recommendations for changes in fees and codes to Town Commission. Served on the Town Code of Ordinance Review Committee. Prepared Capital Improvement Plan, recommended priority of projects based on Commission Priorities and applied for appropriate funding sources to fund improvements. Administered the grants, supervised the inspection staff and reviewed to ensure compliance with grant conditions.

**Town of Pembroke Park, Broward County, FL–Director of Emergency Operations**  
As Director of Emergency operations managed the Municipal Emergency Operations Center, applied for grant funding, administered reimbursement and mitigation assistance grants to upgrade Town Stormwater infrastructure to reduce future flood risks. Worked with Town Engineer on appeal of flood maps and adjustments to flood hazard areas.

**Town of Pembroke Park, Broward County, FL- Public Works and Utilities** Worked with the Town Engineer to develop and implement storm water and waste water master plans. Worked to update master plan as systems were improved and additional needs were discovered. Reviewed plans to make sure improvements were only on public Rights of Way and prioritized projects based on life safety and getting the most improvement for each dollar spent. Applied for and obtained funding, administered grants and managed projects for compliance.

**City of South Bay, Palm Beach County, FL – Utilities Director** Operated and Managed Water and Wastewater Treatment Systems. Obtained grant funding, managed improvement projects and planned to maintain compliance. Served as Chief Building Official and coordinated reviews and inspections.



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

### Areas of Expertise

- Utility Coordination
- Subsurface Utility Engineering
- Project Logistics
- Record Research
- Inter-Departmental Coordination
- Utility Construction
- Constructability Reviews
- Scheduling & Productivity

### Education

- Atlantic Vocational Technical Center
- Architectural and Mechanical Design/Drafting
  - Carpentry
  - AutoCadd #12
  - Microstation #95
  - Computer A++ CADD Centers of Florida
  - MicroStation to ACad
  - Autodesk Civil 3D

### Certifications

- FDOT – Construction OSHA Awareness Safety Training
- Barges Safety
- Concrete & Masonry Construction
- Confined Spaces
- Crane Safety
- Demolition of Structures
- Earth Moving Equipment & Motor Vehicles
- Electrical Safety
- Excavation & Trenching
- Fall Protection
- Hazardous Materials
- Hearing Protection
- Material Hoists, Personnel Hoists & Elevators
- Personal Protective Equipment
- Recognition & Avoidance of Unsafe Conditions
- Scaffolding Safety
- Working Safely in Work Zones
- FDOT Construction, Qualifications
- Construction Math
- Construction Plan Reading
- Critical Structures Construction Issues
- Earthwork Inspection
- Pipe Placement Inspection
- Portland Cement Concrete Testing, Placement & Control
- Subgrade & Base Inspection
- Utility Relocation, Clearing and Grubbing, Miscellaneous Concrete, Structure Inspection
- Asphalt Paving Inspection
- Landscape Inspection Seminar
- Structure 1
- Asphalt Plant Inspection
- Auger Cast Pile Inspection
- Mechanically Stabilized Earth Wall Inspection

### Certifications

- FDEP Stormwater Erosion & Sedimentation Control Inspector No. 15102

**Employment with CAS: 26 yrs**

**Employment with other firms:  
2 yrs**

## William Tanto

Senior Field Representative / Utility Coordinator

Mr. Tanto has over 28 years of experience in the engineering design, permitting, construction and utility locates fields. He has been employed by CAS for 24years.



Responsible for a variety of Engineering Design and Project Coordination tasks included but not limited to conceptual stormwater management, conveyance design, land development site design, project permit application and exhibit preparation, construction observation, contract documents, utility coordination with existing utility owner, utility review and mark ups, and as-built record research. Mr. Tanto is responsible for allocating projects and resources to the departments or individuals. His work involves providing the deadlines as well as the resources that are required to complete project construction on time to the assigned personnel. He coordinates with all the departments in carrying out the project in the required time.

### Selected Relative Experience:

**SW 31<sup>st</sup> Street Stormwater Improvements - Town of Pembroke Park, Florida.** Project Field Representative/Utility Coordinator for the installation of 2,050 linear feet of roadway improvements including pavement markings and signage, and approximately 1,800 linear feet of exfiltration trench. Also assisted department managers with final review, punch list and final approval.

**Court House, Three-Dimensional Radar Tomography Study - Broward County, Florida.** Project Utility Coordinator which includes contacting all utility owners for existing utility documentation, field investigation, video and photographs of utility locations. Prepare and maintain project schedule. Assist department managers in managing project work flow.

**FDOT/LAP Project, Roadway Widening, Milling & Resurfacing with Minor Improvements - Village of El Portal, Florida.** CEI for the Village of El Portal which included approval of materials, construction observation, on-site material quantities, as-built review and completing FDOT forms and documents for final review and approval.

**Wastewater Pump Station No.3 & Gravity Sewer Improvements - Bal Harbour Village, Florida.** Senior Field Representative/Utility Coordinator for the installation of a new triplex wastewater pump station including an electrical controls building and approximately 1,350 linear feet of 18" gravity sewer. Responsibilities included construction observation/inspection, resolving conflicts, contractor claims and assisting department and project managers with final review, punch list and final approval.

**Stormwater System Improvements - City of Moore Haven, Florida.** Senior Field Representative/Utility Coordinator for the installation of two master duplex stormwater pump stations including 1,044 linear feet of force main, 7,103 linear feet of HDPE drainage pipe (15-inch to 48-inch) and 76 drainage structures. Also assisted department managers with final review, punch list and final approval.



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

### Areas of Expertise

- Project Management
- Cost Estimating
- Water and Sewer Pipeline Design
- Sewer Pump Station Design
- Stormwater Management Systems Design
- Permitting
- Bidding Services
- Construction Management
- Constructability Reviews

### Education

- (AA) Miami-Dade College
- (BS Civil Engineering) Florida International University
- (MS Environmental Engineering) Florida International University

### Licensure

- Florida Licensed Professional Engineer – # PE55459

Employment with CAS: 8 yrs

Employment with other firms:  
20 yrs

### Frank Vilar, P.E.

Senior Supervising Engineer  
Engineering Department



Mr. Vilar has 28 years of professional experience managing and designing numerous public and private sector projects throughout the South Florida region. Extensive experience in the design of water and wastewater systems, design of drainage and storm water management systems, site design and development, permitting through various South Florida Regulatory Agencies, preparation of contract documents and bid specifications and construction management and inspections.

#### Selected Relative Experience:

**SW 2<sup>nd</sup> Street Drainage Improvements, City of Pompano Beach, FL:** Provided engineering services for proposed drainage improvements within the project limits of SW 2<sup>nd</sup> Street between Dixie Highway and Cypress Road, SW 1<sup>st</sup> Avenue between SW 2<sup>nd</sup> Street and Atlantic Blvd, SW 1<sup>st</sup> Terrace and SW 1<sup>st</sup> Court between SW 2<sup>nd</sup> Street and S. Cypress Road, located in Pompano Beach, FL. The project site experiences flooding during even small storm events. After meeting with City staff to discuss the flooding problems experienced in the project area, it was decided that proposed drainage improvements for the project area would include a combination of new swale systems and new exfiltration trenches where feasible. The proposed drainage improvements will also use two existing drainage outfalls discharging to the Pompano Canal system (C-14) which currently serve the project limits. Estimated construction costs are \$900,000.00. Professional services included engineering drainage analysis, preparation of civil engineering plans, cost estimating, permitting, preparation of contract documents and assistance during bidding, shop drawing review, construction observation management services during construction and certification through project closeout

**Lake Osborne Estates WM Improvements PH I, City of Lake Worth, FL:** The Lake Osborne Estates Phase I service area is comprised of approximately 228 residences served by existing asbestos cement water mains varying in size from 3" to 8". The majority of the existing water mains and water services are located in the rear of the properties, past their useful life expectancy and provide inadequate fire protection. The proposed improvements will include installation of approximately 16,400 linear feet of new PVC water main varying in size from 4"-8" in diameter and will improve fire protection and pressures to the neighborhood residences. Proposed improvements will also include the abandonment of existing water mains and the relocation of water meters and services from the rear of the residential lots to the front of the lots. Existing ACP water mains will be capped, grout filled and abandoned in place. Estimated construction costs are \$1.8 million. Professional services included design, community outreach services (by subconsultant), permitting, preparation of bid documents. Construction services were also provided and included shop drawing reviews, review and approval of pay requests, general construction management, periodic inspections to review Contractor installation of proposed work and final certification to all regulatory agencies.

**Indian Trails Improvement District 140<sup>th</sup> Ave N. & Tangerine Blvd Roadway Improvements, Palm Beach County, FL:** Provided engineering services for construction of two existing roadways within the Indian Trails Improvement District. The first project area included roadway re-alignment, roadway paving and grading, roadway widening, sidewalk improvements and drainage improvements to the 140<sup>th</sup> Ave. N. corridor between 60<sup>th</sup> ST N. and Orange Blvd (approximately 0.98 miles). The new roadway drainage system on 140<sup>th</sup> Ave included swale systems on both sides of the reconstructed roadway interconnected with a series of catch basin inlets and pipes and conveyed to discharge at the existing ITID Canal system. The second project area included roadway re-paving and minor roadway re-grading to the Tangerine Blvd corridor between 140<sup>th</sup> Ave. N. and Avacado Blvd (approximately 0.45 Miles). The existing drainage system on Tangerine Boulevard was in functional condition and was not modified as part of the project scope. Estimated construction





## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

### Areas of Expertise

- Project Management
- Utility Design
- Utility Calculations
- Permitting
- Construction Services
- Cost Estimates
- Feasibility Studies
- Utility Master Plans
- Stormwater Master Planning, Design, Implementation and Management
- Grant Applications
- FEMA Pre-Disaster Mitigation Competitive Grant Program
- Constructability Review
- Scheduling & Productivity
- Bid Services and Contract Documents
- Certifications/Closeouts
- Phase I Environmental Audits

### Education

- Middlesex County College Edison, New Jersey Associates Degree - Engineering Technology 1978

### Registration

- Engineering Intern - New Jersey

Employment with CAS: 26 yrs  
 Employment with other firms: 10 yrs

### Albert J. Caruso, E.I.

Project Engineer  
 Engineering Department



Mr. Caruso has 36 years of experience in the engineering design, permitting and construction management fields and is involved in the project from conception to completion.

Mr. Caruso is responsible for the development of due diligence/feasibility studies, Phase I Environmental Reports, preliminary engineering reports, and stormwater and utility master plans. Mr. Caruso is also responsible for the implementation of water, sewer, force main and stormwater projects from design to permitting with local, state and federal agencies to project management services during construction. He prepares funding applications for FEMA-PDMC, USDA, CDBG and ISTE grant programs. Mr. Caruso reviews projects for cost effectiveness and value engineering. He is also responsible for project coordination with clients, municipalities, contractors and permitting agencies to ensure that the project meets its financial goals and within the scheduled timeframe. Mr. Caruso prepares project cost estimates, budgets, bidding services, close-out packages and certifications.

### Selected Relative Experience:

**Design and Project Management for Town-Wide, Six Phase Stormwater Improvement Plan and Water Main Replacement - Town of Golden Beach, Florida.** Responsible for the stormwater and water retrofit engineering design, Miami-Dade County DERM/HRS permitting and cost estimating. Also responsible for the project management of the stormwater and water main construction, implementation, and certifications.




**City of Sweetwater Stormwater and Pump Station Improvements (Phase IIB N&S) - Sweetwater, Florida.** Survey, utility locates, FEMA grant applications, planning, design, cost estimates, preparation of construction plans and contract documents, permitting, bidding assistance, construction management and full-time resident construction observation services, survey as-builts and certification through project close-out. The 65-acre basin area is located in the southern part of the City known for historical, repetitive flooding. Both projects consist of a stormwater collection system that converges into a duplex pumping station (28 HP @ 6,048 GPM). The runoff is then discharged via a shared force main with an outfall at the SFWMD C-4 Canal. Collectively, the project included 100 drainage structures with Hydrodynamic Separators (Downstream Defenders) for water quality treatment, 9,760 linear feet of drainage pipe ranging in size from 15-inch to 72-inch, 1,050 LF of 30-inch and 36-inch DIP force main, and road and landscape restoration.

**Stormwater and/or Utility Master Plan - Town of Golden Beach/Bal Harbour Village/City of Lighthouse Point/Town of Pembroke Park/City of Oakland Park/ City of Sweetwater, Florida.** Responsible for the overall conceptual design of utility rehabilitation and improvements for the above-mentioned Municipalities. Also responsible for the information gathering, database preparation, preliminary cost estimating, prioritization of future projects, mapping and narratives.

**Village of Biscayne Park Stormwater Master Plan, Biscayne Park, Florida.** The Stormwater Master Plan was a comprehensive report to define priority areas, determined corrective actions required to resolve flooding conditions and established a level of service. The Master Plan also included a comprehensive survey base map for the entire village including stormwater modeling and the design of five stormwater networks that would take into account future sea level rising. The stormwater systems were developed using best management practices while addressing water quality and water quantity concerns. The estimated total cost of the village's stormwater improvements were estimated at \$13.08 Million.

Larry M. Smith, P.E.  
Principal Electrical Engineer



West Palm Beach, Florida   
(561) 616-3911 ext. 202   
(561) 818-3600 

Larry@SmithEngineeringConsultants.com 

#### *Professional Profile*

Larry has over 35 years of experience as an electrical engineer in the areas of electric utilities, water and wastewater utilities, solid waste, water control structures and pump stations, airport electrical systems, architectural projects, telecommunications, roadway, sports field, and specialty lighting. He demonstrates skills in engineering and design, project management, client relations, and staff administration.

#### *Software Skills*

AutoCAD, MicroStation AGI32 and Microsoft Office.

#### *Education*

BS - Electrical Engineering, Florida Atlantic University, 1987

Post Graduate Research - Electrical Engineering (Telecommunications), Florida Atlantic University, 1987-1988

#### *Licenses/Certifications*

Florida P.E. No. 45997  
North Carolina P.E. No. 033663  
Technical Assistance Analyst, Florida No. T-0828

#### *Awards*

Florida Engineering Society,  
Outstanding Service to the  
Profession 2010-2011

Florida Engineering Society,  
Engineer of the Year 2007 - 2008

#### *Professional Societies*

Florida Engineering Society, State  
President 2017-2018

Institute of Transportation  
Engineers, Gold Coast Chapter

American Society of Civil Engineers,  
Palm Beach Chapter

#### *Years with SEC:*

24

#### *Years of Experience:*

35

#### *Project Experience*

**Town of Palm Beach, D-9 & D-10 Stormwater Pump Stations**— Electrical and mechanical design for two (2) stormwater pump stations within the Town of Palm Beach. These pump stations consisted of submersible, electric motor operated pumps. A backup diesel generator was designed at each pump station to provide power for full pumping capacity. Reduced-voltage motor starters were designed to reduce the starting inrush current for the large electric motors. The electrical design included the main electrical service and distribution, control, lighting, and instrumentation. The telemetry system was designed to provide for automation, and remote control and status monitoring, for the pump stations.

#### **Northern Palm Beach County Improvement District, PGA Central Pump Station:**

Electrical and mechanical design for the refurbishment of an existing stormwater pump station. This pump station consisted of three (3) diesel operated pumps that were replaced with new electric motor operated pumps. A backup diesel generator was designed to provide power for full pumping capacity. Reduced-voltage motor starters were designed to reduce the starting inrush current for the large electric motors. Mechanical design included the ventilation of the main electrical room, and plumbing. The electrical design included the main electrical service and distribution, control, lighting, and instrumentation. The telemetry system was designed in accordance with District standards. Prior to design we evaluated the electrical and mechanical systems, including alternatives for refurbishment, prepared cost estimates for the alternatives, and assisted in the preparation of a written report for the District.

**City of West Palm Beach Lift Station SCADA Upgrade** - Smith Engineering Consultants designed the replacement of the City's existing base station and RTU's that serve over 100 lift stations throughout the City of West Palm Beach. The existing SCADA system was comprised of several different types of RTU's along with proprietary base station software that was not able to accommodate RTU's with an open communications protocol. Therefore, SEC specified a new base station, including both system hardware and software, to allow different types of RTU's to be installed in the field that previously would not have been able to communicate with the base station. We also specified the new RTU's to replace those RTU's at the lift stations that were aging and in need of replacement. This new SCADA system provided the necessary flexibility that helped the City to save operating and maintenance costs by allowing for non-proprietary, lower cost RTU's to be installed throughout their service territory.

**Clematis Streetscape 100 & 200 Blocks, City of West Palm Beach, Florida** - Electrical engineer of record for the design of the ongoing design-build streetscape project. Responsible for design of electrical systems, including new decorative lighting poles and fixtures, along Clematis Street and Narcissus Ave. The electrical systems include new electrical service and power for vendor receptacles and photoelectric controlled street lights.

**City of West Palm Beach Fern Street Lighting** - Smith Engineering Consultants, Inc. designed the electrical systems, including new decorative lighting poles and fixtures, for the sidewalks along Fern Street between Tamarind Avenue and South Olive Avenue. The electrical systems included a new electrical service and power distribution for photoelectric controlled street lights. Calculations for the roadway illumination were made in accordance with City requirements.

### *Professional Profile*

Steve has extensive experience in design and construction management of roadway lighting and signalization for local, county and FDOT roadways. Some of his experience includes lighting design for signalized intersections, pedestrian crosswalks, sidewalks, express lanes, bridges, landscape and underdeck lighting. In addition to his experience on roadway projects, Steve has substantial experience in the electrical design of water and wastewater treatment facilities, master lift stations, water reuse facilities, pumping stations, operational and maintenance complexes, water control structures, solid waste facilities and normal and standby generation systems.

### *Software Skills*

AutoCAD, MicroStation AGI 32, LitePro, E-TAP, Microsoft Office

### *Education*

2 years- Electrical/Mechanical Engineering-Broward Community College

### *Licenses/Certifications*

Notary Public

### *Professional Societies*

BICSI Telecommunications Association

### *Years with SEC:*

14

### *Years of Experience:*

39

### *Project Experience*

#### **Briney Avenue and Atlantic Blvd Intersection, City of Pompano Beach, Florida**

Project manager for design of roadway lighting for approximately 2500 feet of Briny Ave. and the intersecting roadways. Responsible for new turtle lighting poles and fixtures along Briny Ave, Atlantic Blvd. and the side roadways. Photometric calculations for the roadway illumination were made in accordance to FDOT and City of Pompano Beach requirements.

#### **North Flagler Drive Lighting, City of Fort Lauderdale, Florida**

Project manager for design of roadway lighting from Andrew Ave. to Sunrise Blvd. Responsible for new decorative type lighting poles and fixtures along N. Flagler Drive. Photometric calculations for the roadway illumination were made in accordance to city requirements.

#### **Atlantic Blvd Lighting, City of Pompano Beach, Florida**

Project manager for design of roadway lighting from SE 20th Ave. to A1A. Responsible for new decorative type lighting poles and fixtures along Atlantic Blvd. Photometric calculations for the roadway & sidewalk illumination were made in accordance to FDOT and city requirements.

#### **Clematis Streetscape 100 & 200 Blocks, City of West Palm Beach, Florida**

Project Manager for a design-build streetscape project. Responsible for design of electrical systems, including new decorative lighting poles and fixtures, along Clematis Street and Narcissus Ave. The electrical systems include new electrical service and power for vendor receptacles and photoelectric controlled street lights. Plans also include tree up-lighting and power receptacles for holiday lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared to match the existing decorative lighting on recently constructed 300 Block project.

#### **Tamarind Avenue Lighting Upgrades, City of West Palm Beach, Florida**

Project Manager for design of electrical systems, including new decorative lighting poles and fixtures, along Tamarind Avenue from Banyan Blvd. to Palm Beach Lakes Blvd. The electrical systems included a new electrical service and power distribution for photoelectric controlled street lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared for the selected decorative lighting.

#### **Becker Road Sidewalk Lighting, City of Port St. Lucie, Florida**

Project manager for design of Phase 2 for approximately 4500 feet of sidewalk lighting. Responsible for electrical systems, including new decorative lighting poles and fixtures along Becker Road. The electrical system included two new electrical service points. Calculations for the sidewalk illumination were made in accordance to city requirements.



**Robert J. Cotleur, ASLA, PLA**  
**Senior Landscape Architect, Principal**  
**39 Years of Experience**  
**37 Years Post Registration**  
 561.747.6336 x101  
 E-Mail: [rcotleur@cotleur-hearing.com](mailto:rcotleur@cotleur-hearing.com)  
 1934 Commerce Lane, Suite 1, Jupiter, FL 33458

**Education**

1984: Ohio State University, Bachelor of Science in Landscape Architecture; Cum Laude Honor Graduate, ASLA Academic Award of Excellence

**Professional Experience**

Mr. Cotleur has practiced landscape architecture in Palm Beach County for over thirty-nine years. He has developed considerable knowledge of South Florida ecology while participating in numerous planning, design, environmental, and construction administration projects. Over the past 20 years, Mr. Cotleur has come to specialize in FDOT District 4 transportation projects which include the counties of Broward, Palm Beach, Martin, St. Lucie, and Indian River. These projects are his primary focus, and they now account for over 95% of his time. Mr. Cotleur is a recognized expert in transportation landscape architecture, and the Cotleur & Hearing transportation team has also provided landscape architectural services to the FDOT Central Office and the Turnpike.

Mr. Cotleur assisted in the preparation of Landscape Brand Guidelines for both District 4 and the Turnpike, and he recently participated at a state level to assist the FDOT with the enhancement of standard specifications, design manual updates, and plan exhibits. With a design-build background, he also has vast experience with Tree Disposition projects that include Tree Relocation, Preservation, Pruning, and the preparation of Selective Clearing & Grubbing Plans. As the Landscape Architect of Record, Mr. Cotleur was responsible for the landscape design of several notable roadways in South Florida including the I-95 gateway interchanges at I-595, Palm Beach Lakes, 45<sup>th</sup> St, Blue Heron Blvd, SR-706, CR-708, SR-76, SR-68, SR-70, and SR-60. He also designed the I-75/I-595 interchange in Broward County, the Indian Street Bridge and Jensen Beach Causeway in Martin County, and the entire 27-mile Polk Parkway in Polk County. Most of these high-profile projects had landscape budgets that were between one and six million dollars.

Mr. Cotleur has not only completed a multitude of transportation projects for FDOT but also for many municipalities such as Jupiter, Royal Palm Beach, West Palm Beach, Greenacres, Port St. Lucie, Delray, Margate, and Highland Beach.

**Professional Affiliations**

State of Florida Registered Landscape Architect # LA0001067 (1985)  
 Sigma Lambda Alpha, National Honor Society, Member American Society of Landscape Architects  
 Volunteers on the FDOT/FNGLA Liaison Group

**Work History**

1991 - Present: Principal; Cotleur & Hearing  
 1984 - 1991: Landscape Architect/Partner; GBSH Architects, Inc.

**Notable Projects**

Transportation and Streetscape. Mr. Cotleur was the lead designer for all the projects listed below.

I-75 (Alligator Alley) Environmental Education Project, FDOT District 4 (FM# 437934-2)

Reference: Bann Williams, 954-777-4219

This project is in the heart of the Everglades at the MP 29 rest area on I-75 (Alligator Alley). Site features include a wetland exhibit proposed in what is currently a parking lot, along with an arboretum, boardwalks, observation tower, plazas, passive park, educational and plant ID signage and an oversized alligator sculpture. Cotleur & Hearing designed the landscape features related to the \$12M roadway project as well as the plants and irrigation installed in conjunction with the \$1M stand-alone landscape project to follow. Construction began in the summer of 2021.

I-75 / I-595 Gateway Interchange, FDOT District 4 (FM# 437846-1)

Reference: Vanita Saini, 954-777-4468 / Bann Williams, 954-777-4219

Cotleur & Hearing designed the \$4M landscape, irrigation and hardscape improvements for this interchange, one of the largest in District 4. The design was inspired by the District's Branding theme that emulated the adjacent Everglades and is coined 'Urban Swamp Forest'. The project includes over 4,600 trees and includes curvilinear landscape terrace



**Aaron Wilbur, PLA**  
**Project Landscape Architect, Project Manager, Partner**  
**14 Years of Experience,**  
**8 Years Post Registration**  
 561.406.1011  
 E-Mail: [awilbur@cotleur-hearing.com](mailto:awilbur@cotleur-hearing.com)  
 1934 Commerce Lane, Suite 1, Jupiter, Florida 33458

**Education**

2010: University of Florida; Bachelor of Landscape Architecture

**Professional Experience**

Mr. Wilbur began his career at Cottage Gardens Inc, a residential design-build firm located in Gainesville, Florida, in 2009. At Cottage Gardens, Mr. Wilbur functioned as project manager and lead designer. In March 2013, Mr. Wilbur joined the Cotleur & Hearing team and quickly transitioned to the firm's transportation division. Mr. Wilbur is an expert in a multitude of software, FDOT's standards and specifications, and all types of transportation landscape architecture projects, including both roadway component and standalone landscape projects. Mr. Wilbur brings the ability to quickly adapt to new types of projects and challenges. His many years of experience working on FDOT projects, including several In-House Support and Continuing Services contracts, have helped him develop an expertise in FDOT project management as well as the digital delivery and phase submittal processes. He has successfully delivered numerous projects to FDOT on time and on budget. He is also an expert in the south Florida Nursery industry and has significant experience providing construction administration and post-design services, both of which lend to stronger design and plant selection abilities. In January 2019, Mr. Wilbur joined Principal Robert Cotleur as a Partner at the Firm providing continuity in management and ensuring the firm's future success. He currently functions as the contract and project manager for all projects within CH's Transportation Division.

**Professional Affiliations**

State of Florida Registered Landscape Architect #LA6667229 (2015)

**Work History**

2015 - Present: Professional Landscape Architect (2019: Partner); **Cotleur & Hearing**  
 2013: Landscape Designer; **Cotleur & Hearing**  
 2009: Lead Designer and Project Manager; **Cottage Gardens**

**Notable Projects**

In-House Landscape Architecture Unit Consultant, FDOT District 4

Reference: Bann Williams, 954-777-4219

Mr. Wilbur worked as the Project Manager for the In-House Landscape Architecture Consultant Contract number C9053. His role included assisting with In-house Landscape Architectural tasks, as determined by the District Landscape Architect, such as the design of, and construction administration for, all in-house & push-button landscape projects, maintenance specification review, site inspections & assessments for various roadway & landscape projects, GIS updates of the FDOT GIS database, ODA coordination for violation notices & vegetation removal permits, maintenance agreement reviews, and the development, planning & execution of the D4 wildflower program.

Continuing Services for Landscape Architecture Design, District Wide Contract – FDOT District 4

Reference: Kaylee Kildare, 954-777-4219

Mr. Wilbur is the Prime Consultant Contract and Project Manager for the CA239 and CAH36 Continuing Services Contracts. His responsibilities include management of all Task Work Orders assigned including project coordination with sub-consultants, FDOT project managers, and the District Landscape Architect, development of the Scope and Staff Hour Estimate documents, as well as production of Landscape, Irrigation, Tree Disposition, and Selective Clearing and Grubbing Plans for dependent and independent projects.

Notable projects currently in various phases of construction or production include SR 9 at Fellsmere Rd (446040-1), SR 9 at High Meadows Ave (441318-1), SR 9 from Sunrise to SW 10<sup>th</sup> (433108-7), SR 713 Kings Highway North/South (230256-8, 438041-1), SR 9 at Spanish River/Yamato Rd. (444344-1), and SR 76 Kanner Highway (446033-1). Mr. Wilbur is also the lead landscape inspector for these contracts.

I-95 Express (Phases 3A-1, 3A-2, 3B-1, 3B-2, 3C) – FDOT District 4

Reference: Vanita Saini, 954-777-4468

Mr. Wilbur prepared landscape opportunity and tree relocation concept plans for one of the largest tree relocation efforts in South Florida. He assisted in the development of RFP language for all the major interchanges and mainline areas for these Design-Build projects, located from Hollywood Blvd to Linton Blvd. Mr. Wilbur has also been the lead landscape inspector and ERC reviewer for all 5 phases of the project and provides post-design services including attendance of all meetings, providing inspection services to confirm and track all relocation activities, and reviewing all landscape RFIs, shop drawings, and plan revisions.

I-75 / I-595 Gateway Interchange (– FDOT District 4

Reference: Vanita Saini, 954-777-4468

Mr. Wilbur assisted with the design and plan production for this \$5M interchange landscape, irrigation, and hardscape project located in Broward County. Mr. Wilbur assisted with landscape design and oversaw the plan production and digital delivery of contract documents for all phase submittals. He oversaw the Post Design Services during construction including the review and approval of plant materials, layouts, and shop drawings, attending meetings, and responding to RFIs. He also represented FDOT as the lead inspector during the Two-Year Establishment period and successfully assisted in bringing the almost 200-acre project through to final acceptance.

I-75 Alligator Alley Environmental Education Project (437934-2/3) – FDOT District 4

Reference: Vandana Nagole, 954-777-4281

Mr. Wilbur was the project manager for the highly complex roadway and landscape phases of the Alligator Alley Environmental Education Project, which includes major site reconstruction to build an education center complete with multilevel boardwalks, a 40' observation tower, a functioning wetland exhibit, an arboretum, dog park, multi-use recreation field, multiple unique plazas, sculptures, seating, shelters, and a complete educational signage component. Mr. Wilbur played a major role in many of the design components, especially the educational components and content. Despite additional last-minute scope changes by the Department, Mr. Wilbur was able to fast-track the revisions to successfully delivered the project on time to ensure the project schedule was met.

S.R. 7 Widening Standalone Landscape Project; S.R. 7., Miramar, West Park and Hollywood, FL – FDOT District 4

Reference: July Jimenez, 954-777-4415

As a part of the widening efforts for S.R. 7, the project required the demolition of adjacent properties to allow for the conversion of S.R. 7 to a 6-lane, divided highway with park-like linear retention ponds. Made up of two strung standalone landscape projects, the project limits spanned three municipalities. This required Mr. Wilbur to complete extensive coordination with multiple municipalities while working on the production of the landscape, hardscape, and irrigation plans. Mr. Wilbur had the lead role in the design of the median landscape as well as the landscape design of the new park-like wet and dry retention ponds with multi-use pathways. He also helped navigate a complicated establishment phase and was involved in bringing the project through final acceptance.

I-95 at Oslo Road (CR 606) Interchange (Feb 2015 – Present): District 4, FDOT

Reference: Jeff Roberts, PE (954-777-4648)

Mr. Wilbur serves as the Project Manager for the Landscape Architectural scope for this new I-95 interchange in Indian River County. The project involves the preservation of existing vegetation, tree relocation, landscape terrace wall design and a \$1M Landscape Design Dependent Standalone project to follow the roadway construction. The project proposes to preserve nearly 3.5 acres of native pine flatwood, which required extensive coordination to maximize the storage of the stormwater ponds, while preserving the most valuable stands of existing vegetation.

SR 811 (Toney Penna to Center Street) – Town of Jupiter

Reference: Thomas Driscoll (Public Works Director), 561-741-2215

Mr. Wilbur was the lead designer for the SR 811 median landscape and irrigation project, within the Town of Jupiter. Mr. Wilbur prepared concept plans, construction/bid documents, illustrative graphics, permit documents, specifications, and cost estimates for this streetscape project. He successfully navigated the Town through the construction and establishment phase of the project.

Port St Lucie Blvd (Paar to Darwin), Port St. Lucie, FL – City of Port St. Lucie/ FDOT District 4

Reference: John Dunton, 772-344-4035

Located in Port St. Lucie, the proposed project is comprised of two Dependent Landscape projects and extends the widening of PSL Blvd. south from the Turnpike over-pass to Paar Rd. The projects included the landscaping of the medians to be consistent with the City Beatification Guidelines and included the design of the irrigation system. Mr. Wilbur is the Project Manager for the project and assisted in the design of the proposed landscape and irrigation.



Sasidhar R. Ayithi, P.E. (FL, GA, TX, MI)

RADISE International, L.C.  
Lab Manager/ QC Engineer /Sr.  
Geotechnical Engineer



Mr. Sasidhar ("Sasi") Ayithi has 20 years of experience in providing Geotechnical, Water Resources, Civil and Environmental Engineering Services including construction inspections, material testing and administration. He has performed services for numerous Water Resources and CEI projects for the South Florida Water Management District (SFWMD), Florida Department of Transportation (FDOT), United States Army Corps of Engineers (USACE) and Broward County Aviation Department.

Mr. Ayithi has served as Project Engineer, QC Engineer, Project Manager and provided project administration for projects involving geotechnical investigation, material testing, inspections and CEI administrations. He is skilled in providing subsurface investigation analysis, design and on-site inspections, quality control and analysis, roadway soil surveys, foundation design, analyses for bridges, Dams, STAs and environmental impact assessment for highway projects. Mr. Ayithi's skills included geotechnical investigations, planning, surveying, technical specifications, design, permitting and construction of new rehabilitation of existing surface water facilities and transportation facilities.

He holds many certifications as noted on this resume.

#### **PROFESSIONAL REGISTRATION AND CERTIFICATIONS**

- Professional Engineer #81655 (FL),
- #6201062680 (MI)
- CTQP LBR Technician
- CTQP Aggregate Base Testing Technician
- CTQP Aggregate Testing Technician
- CTQP Concrete Lab Technician - Level 1
- CTQP Qualified Sampler Tech
- ACI Concrete Lab Testing Technician – Level 1
- ACI Concrete Strength Testing Technician
- ACI Aggregate Testing Technician
- ACI Aggregate Base Testing Technician
- USACE Construction Quality Manager
- Certified Nuclear Gauge operator
- Hazmat Refresher

#### **EDUCATION**

- M. Tech., Civil Engineering, Indian Institute of Technology (Renowned Engineering Institute)
- B.Tech., Civil Engineering, Nagarjuna University, India

#### **CAPABILITIES**

- Geotechnical Engineering
- Water Resources Engineering
- Construction Materials Inspections
- Construction Materials Inspections
- Environmental Impact Assessment
- Environmental Management Systems
- Environmental Pollution Monitoring & Management
- Roadway Soil Survey
- Bridge Structures, Pump Stations, Spillways & Water Control Structure Foundations
- Shallow & Deep Foundation Design
- Lab & Field Testing

#### **TECHNICAL SKILLS**

- AutoCAD
- gINT

## **REPRESENTATIVE EXPERIENCE**

**Materials Testing Continuing Services Contract, FDOT D4, Districtwide, FL.** CMT Lab Manager/QC Engineer - As Prime Consultant for this ongoing contract, providing districtwide materials field and lab testing services.

**Materials Lab Verification Testing Continuing Services Contract, FDOT D4, Districtwide, FL.** CMT Lab Manager/QC Engineer - For this ongoing contract, providing materials lab verification testing services.

**45th Street Bridge over the Florida's Turnpike, West Palm Beach, FL.** CMT Lab Manager/QC Engineer - Oversight of the Thermal Pile Cap Monitoring Program for Mass Concrete Placements at the pier and abutment locations for a 3 span bridge, complying with the Project and FDOT Requirements for temperature delta changes.

**SR-9/I-95 PD&E, south of High Meadows Road to North of Becker Road, Martin and St. Lucie Counties, FL.** QC Engineer - Project included approximately 13 miles of roadway soil survey and testing for drainage features.

**I-95/SR-9 PD&E Study, North of Becker Road to south of SR-70, St. Lucie County, FL.** CMT Lab Manager/Construction Inspector/QC Engineer - Project included approximately 13½ miles of roadway soil survey and testing for drainage features.

**I-95 Additional Auxiliary Lanes from S. of Glades Road to N. of Yamato Road, Palm Beach County, FL.** CMT Lab Manager/Construction Inspector/QC Engineer - Project consists of approximately 6 miles addition of 2 auxiliary lanes, 2 new interchanges, 25 bridge expansions and new bridges.

**82nd Avenue from South of 26th Avenue to CR 510 (Wabasso Road), Indian River County, FL.** Construction Inspector/QC Engineer - Design and construction of four new bridges with drainage improvements and a new roadway along 82nd Avenue in Indian River County. The length of the roadway is approximately 7.5 miles through citrus groves and pasture land.

**SR-842 Structure Investigation for Bridge Replacement, Broward County, FL.** CMT Lab Manager/Construction Inspector/QC Engineer - Oversight including field exploration/testing and laboratory testing. Construction of two replacement bridges, resurfacing, restoration and rehabilitation, and the replacement of the substandard barrier wall.

**Kingfisher Bridge and Bulkhead Walls Replacement. Construction Inspector/QC Engineer** - Field investigation and geotechnical recommendations for replacing the existing bridge and bulkhead walls (designed as king-post pile and panel system). The replacement foundation system involved pre-stressed square concrete driven piles.

**SR-817(University Drive) from Nova Drive to I-595 Ramp, Broward County, FL** - CMT Lab Manager/QC Engineer. Roadway soil survey and structures investigation, testing for drainage features and mast arm design.

**I-75 Express Lanes – Segment E, Broward County, FL.** Construction Inspector/QC Engineer - Geotechnical engineering services for the improvements along the I-75 (SR9) corridor. The length of the project was about 12 miles from the Miami-Dade County/Broward County line to North of I-595 Interchange in Broward County.

**Broward County Mast Arms, Broward Co., FL.** CMT Lab Manager/Construction Inspector/QC Engineer- Field exploration/testing and laboratory testing for 20 planned intersections for mast arm traffic signal conversions and pavement improvements. Provided laboratory testing, asphalt core services and pavement evaluation.

**Port of Miami Tunnel, Off-Site Sign Structures, Miami, FL.** CMT Lab Manager/Construction Inspector/QC Engineer - Geotechnical engineering services to assist in the design of the sign structure foundations.





Akash Bissoon, PE  
RADISE International, L.C.  
Sr. Geotechnical Engineer



Mr. Bissoon has 15 years of geotechnical engineering experience including providing project management for a wide range of work involving geotechnical, environmental and civil engineering. He is skilled in the preparation of specifications for foundations, roadway work, storm water management systems and water distribution systems.

He is knowledgeable in current FDOT, ASTM and AASHTO standards applicable to design and materials testing, and is skilled at conducting materials investigations through the construction completion-certification stage. He works on projects from the initial modeling- specification stage, through the planning, designing and drafting stages.

Mr. Bissoon has served as a Senior Geotechnical Engineer on projects for clients including the Florida Department of Transportation (FDOT), Broward County Aviation Department, South Florida Water Management District (SFWMD) and the US Army Corps of Engineers (USACE).

#### **PROFESSIONAL REGISTRATION AND CERTIFICATIONS:**

- Registered Professional Engineer, Florida #74582
- CTQP Quality Control Manager, Florida Department of Transportation
- CTQP Final Estimates Level 1 & Level 2, Florida Department of Transportation, October 2018
- Qualified Storm Water Management Inspector, Florida Department of Environmental Protection, #16155, May 2007
- Advanced Temporary Traffic Control (TTC), #41524, Florida Department of Transportation, June 2018
- IMSA Traffic Signal Inspector, #124859, December 2018

#### **EDUCATION**

- B.S., Civil Engineering Florida Atlantic University, Boca Raton, FL

#### **CAPABILITIES**

- Project Management
- Water Distribution Systems
- Engineering
- Roadway Soil Survey
- Stormwater Management
- Systems
- Construction Materials
- Testing
- AutoCAD, ArcGIS, AERMOD View, EPAnet, MathCAD,
- Cascade, gINT, Microstation, FB Deep
- Environmental and
- Geotechnical Modeling
- Estimating
- Client Liaison

#### **REPRESENTATIVE EXPERIENCE**

**C-44 Reservoir System Discharge** located in Martin County, Florida. Project Engineer - As Prime Consultant for this ongoing contract, the work includes providing districtwide materials field and lab testing services.

**Lake Hicpochee Dispersed Water Management Plan** located in Glades and Hendry Counties, Florida. Project Engineer - As Prime Consultant for this contract, the work includes providing districtwide materials field and lab testing services.

**Broward Mobility in Broward County, Florida** (FM No.: 433165-1-32-01), research and testing for drainage features. Field exploration/testing and laboratory testing.

**SR-817(University Drive)** from Nova Drive to the ramp to I-595 in Broward County, Florida (FM No.: 429366-1-52-01), Research and testing for drainage features.

**Nottingham & US1 Jack and Bore**, West Palm Beach, Florida, geotechnical study to support a Jack and Bore under US1 for the replacement of existing underground utilities along Nottingham Boulevard.

**7th Street & CSX RR Jack and Bore**, West Palm Beach, Florida, geotechnical study to support a Jack and Bore under the CSX railroad for the replacement of existing underground utilities along 7th Street.

**PD&E Study for SR-9/I-95 from south of High Meadows Road to North of Becker Road** in Martin and St. Lucie Counties, Florida (FM No.: 422681-1-22-01), approximately 13 miles of research and testing for drainage features.

**PD&E Study for I-95/SR-9 from north of Becker Road to south of SR-70** in St. Lucie County, Florida (FM No.: 422681-2-22-01), approximately 13½ miles of research and testing for drainage features.

**S-842 (Broward Boulevard) - Structure Investigation for Bridge Replacement, Broward County, FL.** Senior Geotechnical Engineer — Oversight including field exploration/testing and laboratory testing. Construction of two replacement bridges, resurfacing, restoration and rehabilitation, and the replacement of the substandard barrier wall.

**SR-817(University Drive) from Nova Drive to I-595 Ramp, Broward County, FL.** Senior Geotechnical Engineer — Provided roadway soil survey and structures investigation, testing for drainage features and mast arm design.

**Broward County Mast Arms, Broward Co., FL.** Senior Geotechnical Engineer -- Field exploration/testing and laboratory testing for 20 planned intersections for mast arm traffic signal conversions and pavement improvements. Provided laboratory testing, asphalt core services and pavement evaluation.

**I-75 Express Lanes – Segment E, Broward County, FL.** Senior Geotechnical Engineer — Provided geotechnical engineering services for the improvements along the I-75 (SR9) corridor. The length of the project was about 12 miles from the Miami-Dade County/Broward County line to North of I-595 Interchange



Kumar A. Allady, P.E.  
RADISE International, L.C.  
Principal Geotechnical Engineer



Mr. Allady is the Principal/Chief Geotechnical Engineer and founder of RADISE International. He has 30+ years of experience in civil engineering, geotechnical engineering, structural engineering, Instrumentation, construction management, construction engineering & inspection, and construction materials testing. He is a champion of Smart Infrastructure where resiliency and sustainability can be incorporated and measured.

Mr. Allady has served as Principal in Charge, Project Manager and Principal/Chief Geotechnical Engineer on numerous projects for public clients including the United States Army Corps of Engineers (USACE), South Florida Water Management District (SFWMD), the Florida Department of Transportation (FDOT), Palm Beach/Broward/Miami-Dade counties and several local governments, cities and private clientele.

His professional experience includes analysis, design, construction, engineering inspections, quality assurance/quality control, and materials testing of superstructure and substructure elements of civil infrastructure projects. His expertise includes providing Value Engineering, Construction Risk Mitigation, Geotechnical Exploration/Engineering/Support During Construction; Structural Health monitoring, Vibration monitoring studies, Blasting, Excavation/borrow material studies, Dewatering plans and Seepage control/management (pre & post construction), Piezometers & Instrumentation plans and monitoring, Slope Stability Studies, Soil Stabilization and Soil Mixing, Mix Designs, Construction Management and Construction Materials Testing and Inspections.

His projects included cut-off walls, levees, dams, storm water treatment areas, water control structures, culverts, weirs, spillways, pump stations, High-Rise buildings, parking structures, retaining walls, MSE walls, noise barrier walls, high mast lighting, airports, seaports, bridge structures and interchange projects including braided ramps, roadway realignments, widening, pavement design & paving inspections, lane extensions, retaining walls, overhead signs, high mast lighting and mast-arm structures.

#### **PROFESSIONAL REGISTRATION AND CERTIFICATIONS**

- Registered Professional Engineer, Florida # 52845

#### **EDUCATION**

- Ph.D. Course work and Qualifiers, Ocean Engineering Florida Atlantic University
- M.S., Civil Engineering, Osmania University, India
- B.E., Civil Engineering, Osmania University, India

#### **CAPABILITIES**

- Project Management
- Geotechnical Engineering
- Construction Materials Testing
- Construction Engineering Inspection
- Structural Engineering
- Construction Engineering Inspection
- Ocean Engineering
- Quality Assurance/Quality Control
- Water Control Structures
- Peer Review
- Value Engineering
- Database Programming
- Peer Review

## **REPRESENTATIVE EXPERIENCE**

**Materials Testing Continuing Services Contract, FDOT D4, Districtwide, FL.** Principal in Charge - As Prime Consultant for this ongoing contract, the work includes providing districtwide materials field and lab testing services.

**Miscellaneous Geotechnical & Materials Testing and Inspection Services, Florida's Turnpike Enterprise, FL.** Principal in Charge - For this ongoing contract, providing geotechnical engineering, materials testing and inspection services.

**Florida's Turnpike PDA Testing, Districtwide Contract.** Principal in Charge - PDA instrumentation and testing including CAPWAP analysis and pile driving criteria for several Turnpike bridge structures.

**SR-842 (Broward Boulevard) - Structure Investigation for Bridge Replacement, Broward County, FL.** Principal in Charge – Oversight including field exploration/testing and laboratory testing. Construction of two replacement bridges, resurfacing, restoration and rehabilitation, and the replacement of the substandard barrier wall.

**Broward County Mast Arms, Broward Co., FL.** Principal in Charge - Field exploration/testing and laboratory testing for 20 planned intersections for mast arm traffic signal conversions and pavement improvements. Provided laboratory testing, asphalt core services and pavement evaluation.

**Multiple Roadway Projects, Palm Beach Co., FL.** Principal in Charge - Construction Inspection and Construction Material Testing Services: Lyons Road, El Paso Drive, Yearling Drive, Pinto Drive, Rodeo Drive, and other street improvements work. Roadway work included construction material quality control testing on concrete and earthwork for roadway and embankments. Construction inspections were performed for the roadway.

**SR-817(University Drive) from Nova Drive to I-595 Ramp, Broward County, FL.** Principal in Charge - Provided roadway soils survey and structures investigation, testing for drainage features and mast arm design.

**SR-9/I-95 PD&E, south of High Meadows Road to North of Becker Road, Martin and St. Lucie Counties, FL.** Principal in Charge - Project included approximately 13 miles of roadway soil survey and testing for drainage features.

**I-95/SR-9 PD&E Study, North of Becker Road to south of SR-70, St. Lucie County, FL.** Principal in Charge - Project included approximately 13½ miles of roadway soil survey and testing for drainage features.

**45<sup>th</sup> Street Bridge over the Florida's Turnpike, West Palm Beach, FL.** Principal in Charge - Oversight of the Thermal Pile Cap Monitoring Program for Mass Concrete Placements at the pier and abutment locations for a three-span bridge, complying with the Project and FDOT Requirements for temperature delta changes.

**Northlake Boulevard Bridge over the Loxahatchee Slough, Palm Beach Co., FL.** Principal in Charge - Construction Materials testing for MSE wall, embankment backfill, pres-stressed concrete inspections and Embedded Data Collectors and PDA testing and monitoring for prestressed-driven concrete piles of the bridge. Earthwork inspection during embankment construction and in- situ density testing. Laboratory testing, concrete field sampling and inspection of the steel placement and pre-stressed yards of bridge decks and pile foundations.

**24<sup>th</sup> and 25<sup>th</sup> Street Roadway Improvements and Okeechobee Boulevard Beautification, Palm Beach Co., FL.** Principal in Charge - Quality assurance testing for soil and concrete and entry into LIMS software used by FDOT.

Jim Clark is a transportation engineering professional with 40 years of experience in both private and public sectors. He has expertise in transportation engineering, traffic studies, signalization, and complex operational analyses, with a focus on advanced transportation best safety practices, ITS/ATMS, and TSM&O. Jim is internationally recognized for his significant contributions in the development of emerging technologies and practical application of intelligent transportation systems, safety measures and served as the Federal Highway Administration ATMS R&D Team Leader.



#### YEARS

40 years of experience

#### LICENSES

Florida Professional Engineer  
#67954 (2008)

California Professional Engineer  
#31560 (1980)

#### EDUCATION

M.S. Civil Engineering –  
Transportation Engineering,  
University of Dayton (1977)

B.S. Civil Engineering, University of  
Dayton (1975)

#### CERTIFICATIONS & COURSES

IMSA Level II Certification

FDOT Design Specifications  
Certification

ITS Florida Member, 2008  
President (2019)

ITS AMERICA / Intelligent  
Vehicle Highway Systems  
America, Founding Member  
(1993)

#### SOFTWARE

HCS  
ISO 9001 QA/QC  
SunGuide  
Synchro  
TEAPAC  
TSIS/CORSIM  
VISSIM  
Adaptive Control

## PROJECT EXPERIENCE

Emerging Safety & Mobility Technologies | Southeast USA  
**State DOT/Local Agencies**

LEAD ITS ENGINEER

Responsible for the deployment of advanced transportation engineering ITS/TSM&O best safety practices. Responsible for the engineering study, evaluation, planning, successful design, and deployment of emerging technologies for improved safety and mobility for all, including quality assurance/compliance with all applicable specifications and policies such as MUTCD, IMSA, FHWA, FDOT standards. Responsibilities included directing, managing and supervising (15+) engineers/technical support staff in the successful planning, design, installation, configurations, support and maintenance of emerging technologies such as, real-time adaptive control, advanced vehicle/pedestrian/bicycle detection, including the successful design and deployment of approximately 600 AI adaptive signal systems throughout Florida, in all FDOT Districts.

US 17-92 Automated Traffic Signal Performance Measure (ATSPM) and  
Connected Vehicles (CV) Project | Volusia Co, FL

**FDOT District 5**

LEAD ITS DESIGN ENGINEER TASK MANAGER

Responsible for research, development, design, and delivery of an innovative ITS emerging safety detection technology solution to address ATSPM and scalable future CV interoperability for a third-generation adaptive traffic signal control deployment, including smart signal design to incorporate additional enhanced touchless pedestrian/bicycle detection technology solution to serve as a smart signal for improved safety of all modes.

Districtwide Traffic Operations Studies, ITS | Central, FL

**FDOT District 5**

SENIOR PROJECT ENGINEER

Responsible for operational analyses, signal warrant studies, signal retiming and pushbutton design efforts, intersection analysis, access management, intersection qualitative assessments, and pedestrian/bicycle safety needs.

I-275 Skyway Bridge Wrong Way Driving/Incident  
Detection System | Districtwide

**FDOT District 7**

SENIOR ITS ENGINEER

Responsible for technical review and oversight of the initial design, developed and proposed an emerging technology enhanced pedestrian detection zone solution robust to detect all roadway objects for improved safety to address initial design limitations.

I-95 Advanced Incident (Queue and Stopped Vehicle)  
Warning System Vehicle (CV) Project | Flagler & Volusia  
Counties, FL

**FDOT District 5**

SENIOR ITS ENGINEER & EOR

This project included design of an Advanced Incident (Queue and Stopped Vehicle) Warning System along approximately 20 miles of I-95 in Flagler and Volusia County Florida. Responsible for developing the ITS design plans and specifications package to provide early detection of traffic incidents, such as stopped vehicles or queuing, and transmit/display advanced warning messages on roadside flashing LED beacon warning signs approaching the incident. In addition, per a I-95 truck traffic safety study, the design incorporates emerging technology connected vehicle solution using FDOT SunGuide to provide dissemination of traffic information in vehicle alerts to truckers through Drivewyze GPS software and other third-party software platforms. The goal is to provide ample notification to roadway users of unsafe traffic conditions ahead so that users can take precautionary measures to reduce secondary crashes.

Disney World Boardwalk Hotel Entertainment  
Transportation Study, Orlando, FL

**Disney Development Corporation**

PROJECT MANAGER

Responsible for performing unique and sophisticated traffic operational analyses of the Boardwalk Entertainment and Hotel complex at Disney World by applying advanced technology methods. Developed, analyzed and recommended various transportation strategies to safely accommodate street and curbside operations of auto, bus, shuttle, pneumatic tire roadway train and pedestrian needs.

US 1 Corridor Traffic Simulation Study, Fort Lauderdale,  
FL

**City of Fort Lauderdale**

SENIOR PROJECT ENGINEER

Responsible for conducting a detailed computer traffic simulation study of the heavily congested US 1 corridor. Recommendations for improvements were tested to reduce congestion along the corridor, aid in the reduction of cut-through traffic in the surrounding neighborhood and enhance non-motorized pedestrian and bicyclist safety needs.

I-75 with University Parkway | Sarasota/Manatee  
Counties, FL

**FDOT District 1**

SENIOR ENGINEER

This project included Traffic Adaptive Control for MOT and Final Design of the largest Diverging Diamond Interchange (DDI) in the USA. Responsible for the successful design, deployment, and support of innovative technology solution with emerging real-time traffic signal adaptive control system to safety accommodate all roadway users (vehicles, trucks, pedestrians, and bicyclists) along University Parkway involving 18 signals. At the request of FDOT, successfully delivered advanced AI signal control supporting MOT of nine construction stages and the final design of the DDI interchange at I-75.

Investigation of the Impact of Smart Intersections on  
Vehicle- Infrastructure Cooperative Systems (privately  
funded research) | Nationwide

**Toyota**

SENIOR TASK ENGINEER

Responsible for engaging experts among the traffic control industry, the automotive industry, academia and the USDOT to determine the impact of smart intersection traffic control technology concerning Signal Phase and Timing (SPaT) data to support vehicle-infrastructure cooperative systems. Review of signal timing philosophies/ algorithms and the application of SAE standards using 5.9GHz DSRC (SAE J2735) to support interoperability among DSRC applications by using a standardized message set and associated data frames and elements; investigated how adaptive and responsive signal timing changes might influence the predictability of signal phase changes and traffic signal progression to improve safety, including most vulnerable roadway users, such as non-motorized pedestrian/bicyclist needs.

Maria has seven years of experience in Florida Department of Transportation (FDOT) projects statewide. Her design experience includes roadway design, roadway lighting, lighting analysis, signalizations, signing and pavement markings, drainage, utility coordination, and public involvement.



#### YEARS

7 years of experience

#### LICENSES

Florida Professional Engineer,  
#91295 (2021)

#### EDUCATION

B.S. Civil Engineering, University  
of Florida (2016)

#### CERTIFICATIONS & COURSES

FDOT Specifications Package  
Preparation Training (2022)

Florida Engineering Society,  
member (2018)

Florida Engineering Society,  
Palm Beach Chapter, State  
Director (2023)

IMSAs Roadway Lighting  
Technician I (2023)

IMSAs Traffic Signal Technician I  
(2023)

IMSAs Work Zone Temporary  
Traffic Control Technician  
(2022)

#### SOFTWARE

AutoCAD

AutoTURN

AGI32

Civil3D

GEOPAK

GuideSIGN

OpenRoads

MicroStation

## PROJECT EXPERIENCE

Continuing Services for Design Projects | Districtwide

### FDOT District 4

#### LEAD SIGNALS & LIGHTING DESIGN

The objective of this contract is to provide services on task work orders (TWOs) assigned with a maximum total contract amount of \$5 million over the span of five years. The TWOs may include design and preparation of a complete set of construction contract plans, component plans, conceptual plans, design documents, special provisions, and incidental engineering services for minor projects including, but not limited to, RRR projects, widening/reconstruction projects, safety projects, access management modifications, intersection improvements, complete streets, ride only, off-system, and intelligent transportation systems (ITS) support. Maria's responsibilities include lighting plans production, signalization plans production, utility coordination, lighting photometric analysis, and local agency coordination.

Lake Worth Road (SR 802) at Haverhill Road | Palm Beach County, FL

### FDOT District 4

#### SIGNALIZATION DESIGN & ENGINEER OF RECORD

This safety improvement project involves turn lane modifications at the existing signalized intersection. Intersection improvements and ADA improvements are proposed for this project located in Greenacres, Florida. Improvements include milling and resurfacing the existing pavement, adding positive offsets for left turn lanes from travel lanes, replacing the mast arm located in the NE corner of the signalized intersection, adding overbuild to mitigate ponding issues, upgrading highway signs, and ADA improvements. Design challenges include a corridor with heavy pedestrian/bicycle traffic and utility coordination with the power companies. Maria's responsibilities included signalization plans production.

SR 802/Lake Worth Road from Raulerson Drive to Douglas Drive | Palm Beach County, FL

### FDOT District 4

#### LIGHTING & SIGNALIZATION DESIGN

This project includes upgrades to existing signalization features on Lake Worth Road at the intersections of Military Trail (SR 809), Kirk Road, Swap Shop Entrance, Congress Ave (SR 807), and Douglas Drive. Pedestrian lighting is proposed at the existing signalized intersections for pedestrian safety. Existing light poles along the corridor are also proposed to be retrofit to LED

to meet current FDOT corridor lighting criteria. Maria's responsibilities included lighting analysis and plans production and signalization plans production.

PGA Boulevard (SR 786) Resurfacing from East of I-95 (SR 9) to East of Fairchild Gardens Avenue | Palm Beach County, FL

### **FDOT District 4**

LIGHTING / SIGNALIZATION DESIGN & EOR

This safety improvement project involves resurfacing, restoration, and rehabilitation (RRR) of PGA Boulevard. PGA Boulevard is an urban, 6-lane, 45-mph facility located in northern Palm Beach County and serves as a main thoroughfare through the City of Palm Beach Gardens. Engineering services include development of construction plans and specifications and securing permits and agreements for the proposed roadway improvements. The principal reason for the improvements is to extend the life of the existing pavement while providing general safety enhancements. Maria's responsibilities included signalization plans production, lighting plans production, and lighting analysis.

SR 710 (Beeline Highway) Resurfacing from West of Pratt & Whitney to East of CSX R/R Tracks | Palm Beach County, FL

### **FDOT District 4**

LIGHTING / SIGNALIZATION DESIGN & EOR

This safety improvement project involves resurfacing, restoration, and rehabilitation (RRR) of SR 710. SR 710 is a rural, 4-lane, 60-mph facility located in northern Palm Beach County and serves as a Hurricane Evacuation Route and SIS facility, providing direct access to the Port of Palm Beach. Engineering services include development of construction plans and specifications and securing permits and agreements for the proposed roadway improvements. The principal reason for the improvements is to extend the life of the existing pavement while providing general safety enhancements. Maria's responsibilities included signalization plans production, lighting plans production, and lighting analysis.

SR 5 /US 1 RRR Project from North of SR 70/Virginia Avenue to North of Avenue O | St. Lucie County, FL

### **FDOT District 4**

LIGHTING & SIGNALIZATION DESIGN

This is a resurfacing, restoration, and rehabilitation (RRR) and safety project on SR 5/US 1 featuring the following

improvements: milling and resurfacing the travel lanes (no widening), minor modifications to the existing stormwater management systems, and upgrading highway signing and striping due to the milling operations. Pedestrian signal upgrades and lighting retrofit is proposed at all 12 signalized intersections. Maria's responsibilities included signalization plans production, lighting plans production, and lighting analysis, along with overseeing the utility coordination effort.

SR 5 / US 1 RRR Project from South of Port St. Lucie Boulevard to North of Rio Mar Drive | St. Lucie County, FL

### **FDOT District 4**

LIGHTING & SIGNALIZATION DESIGN

This is a resurfacing, restoration, and rehabilitation (RRR) and safety project on SR 5/US 1 featuring the following improvements: milling, resurfacing, travel lane width reduction to introduce larger "buffered" bike lanes, minor modifications to the existing stormwater management systems, and upgrading highway signing and striping (due to milling operations). New mast arms are proposed at a few locations to address ADA deficiencies. Also, lighting retrofit is proposed at all nine signalized intersections. Scalar is providing design support on this project and is responsible for the traffic operations component (signing/pavement markings, signals, and lighting). Scalar is also overseeing the utility coordination component. Maria's responsibilities included lighting plans production, signals plans production, and lighting analysis.

CR-510/ 85<sup>th</sup> Street from CR-512 to West of 82<sup>nd</sup> Avenue | Indian River County, FL

### **FDOT District 4**

LIGHTING & SIGNALIZATION DESIGN

This project consists of widening CR 510 from two to four lanes from CR 512 to 1600 ft. west of 82nd Avenue to achieve an acceptable Level of Service (LOS) along the facility in the future condition. Safety conditions are proposed to be improved by removing of the existing CR 510 and the bridge over Lateral D canal and reconstructing the segment to meet 45 MPH design criteria. Signalized intersections are proposed to be upgraded accordingly and at these signalized intersections, intersection lighting is included. Maria's responsibilities include lighting analysis and plans production and signalization plans production.





## **Key Personnel**

The following resumes show the proposed principal FTC staff with their individual qualifications, who will perform work as required if the firm is awarded a contract.

### **James Barton, P.E. President Florida Technical Consultants LLC**

#### **Professional Summary**

James is the primary project contact for FTC and provides all project management functions, program development, GIS utility data build and on-site training. His background experience covers all program components with 20 years experience in engineering design and project management of water, sanitation and stormwater programs. These include water resources, infrastructure, rehabilitation, GIS implementation, environmental engineering, utilities and road construction. James has routinely integrated GIS technology with engineering, developing software tools to assist in system modeling, design, and construction administration. Since becoming an ESRI authorized GIS Trainer in 2003, he has provided training to over 75 students in various organizations and disciplines. His specialty is training for people specializing in utilities, public works and engineering as well as providing training for people with fire, police and city and county administrations.



#### **Education**

B.Sc. Civil Engineering, Queen's University, Kingston, Ontario, Canada - 1990

#### **Professional Experience**

**President/Principal Engineer** - Florida Technical Consultants, Boynton Beach, FL  
2014 to present (8 years)

**Senior Engineer** - Chen Moore & Associates, Ft. Lauderdale, FL  
2001 to 2014 (13 years)

**Water Engineer** - CARE Canada/Unicef/US AID, Mozambique and Angola, Africa  
1991 to 2001 (9 years)



### **Registration**

Professional Engineer, State of Florida, 2003 (#59257)

### **Affiliations**

American Society of Civil Engineers (ASCE)

American Water Works Association (AWWA)

Florida Engineering Society (FES)

Urban and Regional Information Systems Association (URISA)

### **Certifications**

ESRI Authorized GIS Trainer

LEED Accredited Professional



**Teresa Chapman, Program Manager  
Florida Technical Consultants LLC**

**Professional Summary**

Teresa has over 8 years of engineering and GIS implementation experience. In her capacity as Program Manager with FTC, she has utilized GIS in real-world engineering situations to improve informational management and decision support for both clients and their engineers. Teresa supports the data collection, tracking and analysis functions of her team for multiple municipalities and has performed utility design, permitting, bidding assistance and construction administration services throughout her career. She also has experience in water resources, sanitary sewer systems, infrastructure rehabilitation, and road construction and continues to expand her knowledge base.



**Education**

B.Sc. Ocean Engineering, Florida Atlantic University, Boca Raton, FL - 2010

**Professional Experience**

**Program Manager** - Florida Technical Consultants, Boynton Beach, FL  
2019 to present (3 years)

**Associate Engineer** - Chen Moore & Associates, West Palm Beach, FL  
2013 to 2018 (5 years)

**Affiliations**

American Society of Civil Engineers (ASCE)  
American Water Works Association (AWWA)  
Florida Engineering Society (FES)  
International Propeller Club of the United States  
Palm Beach County Wide GIS Forum

**Certifications**

InfoWater Training Certificate

## JUAN JUSTINIANO | PRINCIPAL

Juan Justiniano has committed all his professional work to providing clients with the best quality service. He has been practicing architecture and planning for over 37 years and is fully committed to high quality service. His extensive experience in the management of production for all office projects provides him with the managerial tools to guide our office project delivery.

Juan has extensive experience managing projects for Broward County, Broward College, and numerous municipalities such as the City of Fort Lauderdale, City of Miramar, City of Pompano Beach, City of Plantation, Dania Beach and private developments. He has managed the design, construction documents development and construction administration phases for a diversity of building types such as city halls, civic/town centers, performing arts centers, courthouses, public safety facilities, parking garages, fire stations, and art buildings.

### PROJECT EXPERIENCE

#### TOWN OF DAVIE, NEW TOWN HALL, DESIGN CRITERIA PACKAGE (DCP) - DAVIE, FLORIDA

Justin Architects provided Continuing Services for Town of Davie to develop a Design Build Criteria Package (DCP) for their highly anticipated new Town Hall. The services provided to the Town include the following tasks: Spatial Programming, Master Planning, Schematic Design, Conceptual Visualization.

#### PORT EVERGLADES TERMINAL 2 & 4, HERON PARKING GARAGE & PEDESTRIAN WALK-WAY FORT LAUDERDALE, FLORIDA

Justin Architects, PKA Cartaya and Associates Architects, embarked on an innovative design journey when selected to create the new 1,900 car Port Everglades Heron Parking Garage and Ground Transportation Facility. This state-of-the-art facility was envisioned to cater to cruise patrons, service/emergency vehicles, buses, vans, taxis, and ride-share companies.

#### FORT LAUDERDALE/HOLLYWOOD INT'L AIRPORT - CONSOLIDATED CAR RENTAL FACILITY FORT LAUDERDALE, FLORIDA

Situated as the gateway to Ft. Lauderdale / Hollywood International Airport, the new state of the art, high tech, nine story, 9,000 car consolidated rental car facility accommodates up to twelve rental car companies under one roof. The garage includes five stories for rental car concession use and four additional stories for airport public parking use.

#### BROWARD JUDICIAL COMPLEX & PARKING GARAGE - FORT LAUDERDALE, FLORIDA

The project involves the construction of a new parking structure that will accommodate 497 parking spaces across six levels, spanning an area of 237,110 square feet. The parking garage will primarily serve judges, courthouse staff, and employees.

#### POMPANO BEACH PUBLIC SAFETY COMPLEX, FIRE STATION #103 AND BSO - POMPANO BEACH, FLORIDA

The interior renovation of the Public Safety Complex, Fire Station #103 and BSO, located at 100 SW 3rd Street and 120 SW 3rd Street is an exciting project that requires a great deal of attention to detail and coordination. The project aims to improve the functionality and aesthetics of the complex while maintaining the safety and security of the occupants.

#### CHARLES F. DODGE CITY CENTER - PEMBROKE PINES, FLORIDA

With a total area of 166,895 square feet, the new Civic Center Facility was designed to accommodate a range of activities and events, including public meetings, exhibitions, and cultural events. The project included the construction of a spacious plaza area, which serves as an extension of the indoor space and provides an attractive and inviting public space.

#### CITY OF MIRAMAR POLICE HEADQUARTERS - MIRAMAR, FLORIDA

The first level of this 80,000 SF building consists of a pedestrian friendly retail area with an arch covered exterior sidewalk facing City Hall Promenade and the pedestrian/automobile entrance to the building. The building's exterior design compliments the Miramar City Hall and Cultural Arts Center buildings, also designed by our firm. The second and third floor houses the City's Police Department including a sally port entry, holding areas, offices, conference rooms and investigative facilities.



### YEARS EXPERIENCE

37

### EDUCATION

Texas Tech University  
Bachelor of Architecture - Structures

Georgia Institute of  
Technology Master in City  
Planning

### PROFESSIONAL REGISTRATIONS

Florida Architectural  
Registration AR94371

American Institute of Architects - AIA  
30063757

NCARB Registration  
112046

LEED AP Building Design +  
Construction  
10476514

American Institute of Certified  
Planners (AICP)  
141945

### CIVIC ACTIVITIES

City of Pompano Beach, Board  
Member  
Unsafe Structures and Housing Appeals  
Board

Executive Association of Fort  
Lauderdale  
Vice President



## CARLOS JUSTINIANO | PROJECT MANAGER

Carlos Justiniano is a seasoned Project Manager with a diverse and robust background in the architectural field. He holds an undergraduate degree from Florida Atlantic University and has further enriched his academic credentials with a master's degree in architectural design research from Hochschule Anhalt University of Applied Sciences.

Carlos brings a wealth of experience to the table, particularly in managing projects within the aviation and civic sectors. Notable projects under his purview include those at Fort Lauderdale-Hollywood International Airport, the City of Delray Beach, the City of Miramar, and North Bay Village, to name a few. His contributions extend beyond regional boundaries, as he played a pivotal role in the development of Terminal 6 at John F. Kennedy International Airport and the Redevelopment Masterplan for Newark Liberty International Airport.

### PROJECT EXPERIENCE

#### CHARLES F. DODGE CITY CENTER - PREVIOUSLY, PEMBROKE PINES CIVIC CENTER

The Charles F. Dodge City Center includes a 173,630 SF Civic Center/City Hall with a 3,500 seat acoustically designed Performing Arts/Banquet/Grand/Exhibition/Grand Hall, a full Service Kitchen, Performing Dressing and Green Rooms, an exquisitely designed Grand Lobby, and the Administrative offices for the City. It is designed to withstand Category 5 hurricane event and contains a 3,000 SF, state-of-the-art Emergency Operations Center Headquarters (EOC).

#### CITY OF MIRAMAR POLICE HEADQUARTERS, MIRAMAR, FLORIDA

This facility is a three-story wrap around structure surrounding the Town Center Parking Garage. The building's exterior design compliments the Miramar City Hall and Cultural Arts Center buildings, also designed by our firm. The first level of this 80,000 SF building consists of a pedestrian friendly retail area with an arch covered exterior sidewalk facing City Hall Promenade and the pedestrian/automobile entrance to the building.

#### POMPEY RECREATIONAL CENTER, DELRAY BEACH, FLORIDA

Justin Architects is responsible for Schematic Design, Design Development, Construction Documents, Bidding/ Permitting, and Construction Administration, for a new Recreational Facility that will include a full-sized competition pool, 3 Baseball Fields, Multiple Playgrounds, Tennis and Basketball Courts. The project is projected to be completed Early 2025

#### FORT LAUDERDALE/HOLLYWOOD INT'L AIRPORT - CONTINUING SERVICES CONTRACT

Carlos' work with Justin Architects includes various on-going projects at Fort Lauderdale-Hollywood International Airport (FLL). Some on-going projects include perimeter security project & garage repairs with 10,000 parking spaces. Also, perimeter security upgrades to fencing, gates, and camera surveillance systems at the South end of FLL airport.

#### JFK TERMINAL 6 DEVELOPMENT

Prior to joining Justin Architects, Carlos was a Project Designer who played a role in designing a state-of-the-art facility at the John F. Kennedy International Airport, encompassing a 1.2 million square foot new terminal. The terminal will accommodate 10 wide body aircraft and will cater to international passengers, offering an array of amenities such as concessions, retail, food and beverage options, and airline lounges. The project's objective is to transform JFK's facilities into a world-class destination.

#### NEWARK LIBERTY INTERNATIONAL AIRPORT

Prior to joining Justin Architects, Carlos designed a Master Plan for Newark Liberty Airport (EWR) that showcases the potential expansion options for passenger areas, encompassing two new head house terminals with multiple concourses, hotels, parking garages, and green spaces. The redevelopment of approximately 140 wide body aircraft gates will be executed in phases, with careful consideration of the effects on the newly developed Terminal A.



### YEARS EXPERIENCE

9

### EDUCATION

Hochschule Anhalt  
University of Applied  
Sciences  
Master of Architecture Design  
Research

Florida Atlantic  
University Bachelor of  
Architecture

### AFFILIATIONS

ABC Florida East Coast  
Member



### **3 – Past Experience (20 points)**



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# CITY OF DELRAY BEACH

## LINDELL BOULEVARD IMPROVEMENTS – SURVEY & SUBSURFACE UTILITY ENGINEERING

### Project Entity:

City of Delray Beach  
Environmental Services  
Department  
434 S. Swinton Avenue  
Delray Beach, FL 33444

### Contact:

Kimley-Horn & Associates,  
Inc.  
Marwan Mufleh, P.E.,  
Project Engineer  
(561)-840-0850  
Marwan.mufleh@kimley-  
horn.com

CAS Project No.: 22-2255

CAS Project No.: 385

### Project Description:

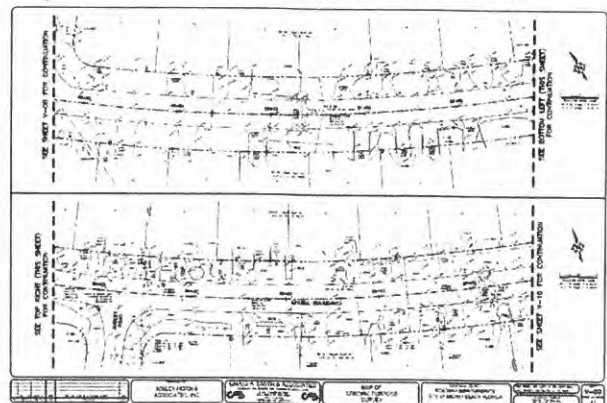
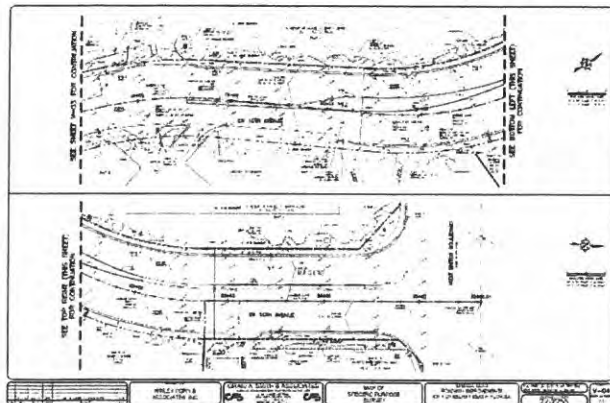
CAS performed survey and subsurface utility engineering as a subconsultant to Kimley-Horn & Associates, Inc. for the City of Delray Beach. The project was divided into two segments. Segment 1 consisted of Lindell Blvd from the west side of the FEC Railroad right-of-way (ROW) north to Curlew Road and Segment 2 ran from Curlew Road north to SW 10<sup>th</sup> Avenue and then east to Linton Blvd. The scope of work included a topographic survey for the entire corridor including easements and a title search as needed to complete ROW mapping and resolve discrepancies. Topographic survey cross-sections were conducted at 50-foot intervals and at the center of each driveway along with planimetric data for all surface features. The survey extended 5 feet beyond the ROW, 10 feet beyond the ROW at driveways, 50 feet beyond all returns at intersections and 100 feet beyond each round-a-about. In addition, visible drainage structures were located and top, bottom and pipe invert with direction and size were captured. Also trees 4" in caliper or great were shown on the basemap (tree survey). Subsurface utility engineering included soft digs at seventy-five (75) designated locations to verify depths, sizes and materials of conflicting buried utilities. The project began in February 22, 2022 and is currently ongoing. **The surveying portion of the project was completed two weeks ahead of schedule and within the initial budget.** CAS is awaiting identification of 75 soft dig locations from the prime consultant to complete the project. Total project cost is \$98,470.

### Responsibilities:

Topographic survey, title search and utility locates to identify drainage structures and utility conflicts along with locating visible above grade utilities within the project corridor and development of basemap for engineering design.

### Key Personnel:

Stephen C. Smith, P.E. – President; Robert D. Keener, P.S.M. – Vice President-Survey; David Lookabill – Survey Coordination Manager; James A. Driscoll – Vice President of Utility Locates; Alan Lopez – SUE Field Supervisor





**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# CITY OF BOYNTON BEACH

## WASTEWATER LIFT STATION NO. 317 REHABILITATION PROJECT – SURVEY & SUBSURFACE UTILITY ENGINEERING

### Project Entity:

Boynton Beach Utilities Dpt.  
124 E. Woolbright Road  
Boynton Beach, FL 33435

### Contact:

Carollo Engineers, Inc.  
Mr. Brian LaMay, P.E.  
(954) 414-8654  
blamay@carollo.com

CAS Project No.: 08-22-031  
CAS Profile No.: 393

### Project Description:

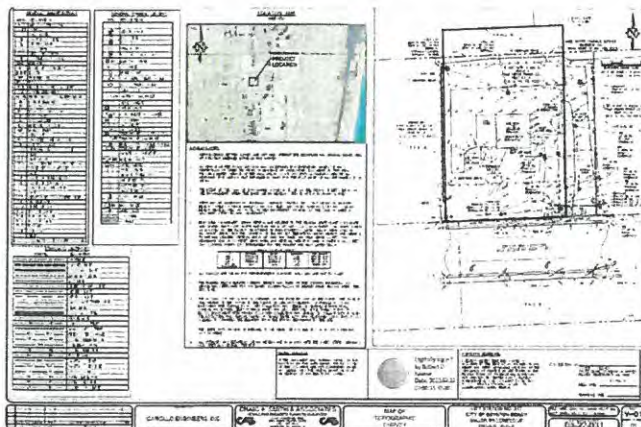
CAS performed surveying and subsurface utility engineering as a subconsultant to Carollo Engineers, Inc. for the City of Boynton Beach Utilities Department for a 0.5-acre site entailing Wastewater Lift Station No 317. The scope of work included specific purpose survey and utility locates involving 2D ground penetrating radar, electromagnetic designations and soft digs at eight (8) locations within the project area to identify and verify the force main discharge tie-in location, force main trunk line and water service line to the Lift Station. Survey provided base maps for the area showing limited topographic features, utility locates, mark ups and soft dig information as required by the client along with individual soft dig reports. The project began on February 7, 2023 and was completed on February 22, 2023. The project was completed on time and within budget. The total project cost was \$13,460.

### Responsibilities:

Survey, utility locates utilizing soft digs and 2D ground penetrating radar to identify/verify buried utilities and utility conflicts within the project area for the development of basemaps for engineering design of a wastewater lift station rehabilitation.

### Key Personnel:

Stephen C. Smith, P.E. –President; James F. Driscoll – Vice President of SUE, Robert D. Keener, PSM – Vice President of Survey; David Lookabill – Survey Coordination Manager







**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# CITY OF FT. LAUDERDALE

## WATER DISTRIBUTION SYSTEM MAPPING UPDATE: ZONE CA SMITH – SURVEY & SUBSURFACE UTILITY ENGINEERING

### Project Entity:

City of Ft. Lauderdale Public Works Department  
100 N. Andrews Avenue  
Ft. Lauderdale, FL 33301

### Contact:

Craven & Thompson, Inc.  
Richard D. Pryce, PSM VP  
Survey & GIS  
(954) 739-6400  
rpryce@craventhompson.com

CAS Project No.: 08-22-066  
CAS Project No.: 389

### Project Description:

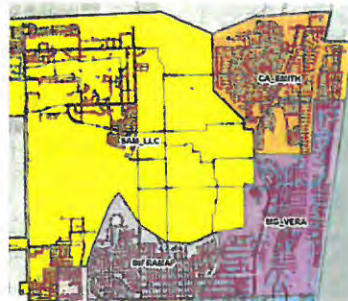
CAS was been tasked to provide surveying and subsurface utility engineering as a subconsultant to Craven Thompson & Associates, Inc. for the water utility system mapping updates delineated within the CA Smith Zone located within the City’s northeast service area. The project area contains approximately 168,960 linear feet or 32 miles of existing 8” water pipelines. The scope of work included 2D ground penetrating radar of the existing water mains within the prescribed right-of-way corridor including identify/verifying location of existing isolation valves, air-release valves, fire hydrants, etc. and approximately 12,000 associated water meters. Survey physically located the utility surface marks for existing water mains provided by the CAS Utility Locates Department and above ground valves, fire hydrants, air release valves, etc. relative to the defined scope. Missing and/or unknown pipes based on the GIS data supplied by the client was mapped as applicable. A Certified Surveyors Report provided will adhere to the Standards of Practice for Surveying, (Chapter 5J – 17) of the Florida Administrative Code. The base project was completed in May 2023 and is in the review stages with the Client. Total project cost was \$291,234.

### Responsibilities:

Utility locates utilizing 2D ground penetrating radar to identify/verify existing water main system and all associated appurtenances within the project corridor for the updating of the City’s GIS Water Utility System maps.

### Key Personnel:

Stephen C. Smith, P.E. – President; James F. Driscoll – Vice President of SUE, Alan Lopez – SUE Manager/ Field Supervisor, Robert D. Keener – Vice President of Survey; Bill Kalbach – Survey Manager; Donald Drake – Crew Chief





**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# VILLAGE OF EL PORTAL

## EL JARDIN STORMWATER IMPROVEMENTS

### Project Entity:

Village of El Portal  
500 NE 87<sup>th</sup> Street  
El Portal, FL 33138-3517

### Contact:

Christia Alou, Esq.  
Village Manager  
(305) 795-7880  
villagemanager@villageofelportal.org

**CAS Project No.: 17-1970**

**CAS Profile No.: 256**

### Project Description:

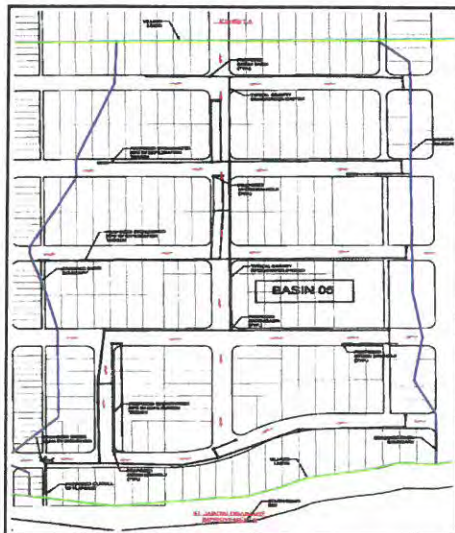
The project consists of stormwater improvements for the El Jardin area which covers Basin 5 of the village's Stormwater Master Plan which was developed and completed by CAS in 2003. The scope of work included hydraulic modeling, route survey, utility locates, engineering design and construction of drainage pipes, catch basins, exfiltration trenches and a drainage easement acquisition for an existing outfall location between 10 NE 86<sup>th</sup> street and 18 NE 86<sup>th</sup> street. The project began in December 2021 was completed in May 2022 on time and within budget. Total project design cost (including construction management) was \$202,254. The construction cost for this phase of the improvements was \$357,275.

### Responsibilities:

Route survey, easement acquisition, utility locates, hydraulic modeling, drainage engineering design, preliminary cost estimates, bidding assistance and construction management service through project close-out.

### Key Personnel:

Stephen C. Smith, P.E. – President; Orlando A. Rubio, P.E. – Vice President of Stormwater Engineering; Al Caruso, E.I. – Project Engineer; Robert D. Keener, P.S.M. – Vice President-Survey; Jim Driscoll – Vice President of Utility Locates





**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# TOWN OF GOLDEN BEACH

## CAPITAL IMPROVEMENT PROJECT (CIP)

### Project Entity:

Town of Golden Beach  
1 Golden Beach Drive  
Golden Beach, FL 33160

### Contact:

Alexander Diaz  
Town Manager  
(305) 932-0744  
alexdiav@townofgoldenbeach.us

**CAS Project No.:**

**CAS Profile No.: 298**

### Project Description:

This barrier island, which was founded in 1929, was in desperate need of replacement of its aging infrastructure. The beautiful but harsh coastal environment had taken its toll on the utility infrastructure. CAS was tasked with providing engineering design, survey, subsurface utility engineering and construction administration for the CIP. The utilities included for upgrade or replacement were water, stormwater, electrical (FPL) lighting, telephone, cable tv and natural gas. The \$17,000,000 project consisted of more than 16,000 feet of new watermains, 10,000 feet of new drainage pipe, 6,000 feet of gas pipe and 50,000 feet of electric, telephone and cable tv.

### Responsibilities:

Survey, utility locates, preparation of engineering design and construction plans, cost estimates, contract documents, permitting, construction management and construction observation, survey, asbuilts, certification through project close-out and assistance in securing 6.5 million in funding for project.

### Key Personnel:

Stephen C. Smith, P.E. – President; Robert D. Keener, P.S.M. – Vice President-Survey; James Driscoll, Vice President - Locates; Al Caruso – Project Manager,





**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# BAL HARBOUR VILLAGE SANITARY SEWER IMPROVEMENTS PHASE I

## Project Entity:

Bal Harbour Village  
655 96<sup>th</sup> Street  
Bal Harbour, FL 33154

## Contact:

John Oldenburg  
Director of Parks & Public  
Spaces  
(305) 866-4633  
joldenburg@balharbourfl.gov

**CAS Project No.: 15-1823**

**CAS Profile No.: 166**

## Project Description:

The Wastewater Pump Station No. 3 and Gravity Sewer Improvements (Sanitary Sewer Improvements Phase I) project for Bal Harbour Village included the installation of a new triplex submersible pump station with a 12-foot diameter wet well, control panel, automatic transfer switch receptacle, emergency generator, and all associated appurtenances, in addition to approximately 1,350 linear feet of 18" gravity sewer lines to the pump station. The project design cost was \$182,804. Construction began in January 2016 and completion was reached in October 2017 with a final construction cost of \$3,338,261.

## Responsibilities:

Survey, preparation of utility easements, utility locates, design, permitting, preparation of construction plans, cost estimates, contract documents, assistance during bidding, construction management and certification through project close-out.

## Key Personnel:

Stephen C. Smith, P.E. – President; Robert D. Keener, P.S.M. – Vice President-Survey; James Driscoll – Vice President-SUE; Greg A. Giarratana – Senior Supervising Engineer; Al Caruso, E.I. – Project Manager





**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# CITY OF MOORE HAVEN

## AVENUE R AND 6<sup>TH</sup> STREET ROADWAY IMPROVEMENTS

### Project Entity:

City of Moore Haven  
299 Riverside Drive  
Moore Haven, FL 33471

### Contact:

Bret Whidden  
Mayor  
(863) 946-0711  
bwhidden@gladesec.com

**CAS Project No.: 17-1943**

**CAS Profile No.: 282**

### Project Description:

The Avenue R and 6<sup>th</sup> Street Roadway Improvements project included mill and resurface of 0.8 miles of Avenue R (from Riverside Drive to West Avenue) and 1.0 mile of 6<sup>th</sup> Street (from Avenue A to Thatcher Boulevard). Work also included the complete restoration of roadway limits, driveway, sidewalk and swale restoration, pavement marking and signage. Design was completed in November 2017 at a cost of \$86,184. Construction cost was \$838,334. Since the project was FDOT funded, CAS was not involved in construction services.

### Responsibilities:

Survey, utility locates, preliminary engineering, roadway construction plans, permitting, contract documents and bidding assistance.

### CAS Key Personnel:

Stephen C. Smith, P.E. - President; Robert D. Keener, P.S.M. - Vice President of Survey; Al Caruso, E.I. - Project Engineer; James Driscoll - Vice President of Utility Locates





**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# CITY OF SUNNY ISLES BEACH

## NE 174<sup>TH</sup> STREET ROADWAY

### INFRASTRUCTURE IMPROVEMENTS

#### **Project Entity:**

City of Sunny Isles Beach  
18070 Collins Avenue  
Sunny Isles Beach, FL 33160

#### **Contact:**

Christopher Russo  
City Manager  
(305) 792-1776  
[crusso@sibfl.net](mailto:crusso@sibfl.net)

**CAS Project No.: 14-1758**

**CAS Profile No.: 91**

#### **Project Description:**

The Roadway Improvements Project for NE 174<sup>th</sup> Street consisted of a reconstruction of both the drainage and the road for approximately 0.2 miles from Collins Avenue to North Bay Road. The existing roadway system was failing due to poor soil conditions, a limited drainage system and an undersized outfall. The new roadway incorporated a reconstructed base with geotech fabric to offset the soils. The design also included a new drainage system that met water quality requirements, site demolition, road regrading, utility relocations, sidewalks and paver walkways, landscaping, curbing, bike paths and parallel parking. The design was completed within two years under budget at a cost of \$356,014. Construction of the project was completed in the Spring of 2017 with an estimated cost of \$3,682,392.

#### **Responsibilities:**

Survey, utility locates, preparation of engineering design and construction plans, stormwater modeling and calculations, cost estimates, contract documents and permitting.

#### **Key Personnel:**

Stephen C. Smith, P.E. – President; Robert D. Keener, P.S.M. – Vice President of Survey; James Driscoll – Vice President of Locates; Orlando A. Rubio, P.E. – Vice President of Engineering; William Tanto – Senior Field Representative





# CITY OF BELLE GLADE

## 2021 SCOP FUNDED CITY-WIDE ROAD RESURFACING AND SIGNAGE UPGRADES

**Project Entity:**

City of Belle Glade  
Municipal Complex  
Belle Glade, FL 33430

**Contact:**

Lomax Harrelle  
City Manager  
(561) 992-1601  
lharrelle@belleglade-fl.com

**CAS Project No.:** 20-2159

**CAS Profile No.:** 351

**Project Description:**

The project consists of roadway improvements on 17 roads city-wide totaling approximately 3.03 miles and includes milling and resurfacing, pavement overlays, pavement marking and signage improvements. Professional services entailed funding and bidding assistance including complete engineering services during construction and construction observation. Also included was coordination with Palm Beach County Water Utilities Department on valve and manhole lid adjustments and project phasing to allow completion of the County's current conflicting utility improvement projects before resurfacing. The project was funded by the FDOT Small County Outreach Program (SCOP). The project was approved by the City Commission approval in December 2020 and advertisement for construction was February 2, 2021. Total costs for bidding and construction

services were \$34,000. Bid opening was held on March 3, 2021, and the apparent low bid is in the amount of \$553,322.50.

**Responsibilities:**

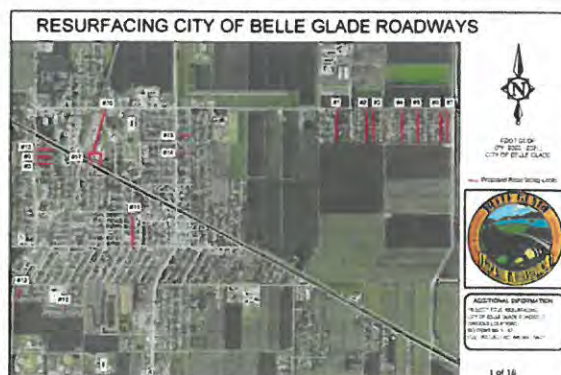
Funding assistance, cost estimates, bidding assistance and construction contract administration and observation through project close-out.

**Responsibilities:**

Funding assistance, cost estimates, bidding assistance and construction contract administration and observation through project close-out.

**Key Personnel:**

Stephen C. Smith, P.E. – President; Keith Schriener - Project Engineer; William Tanto – Senior Field Representative





**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering • 3D Subsurface Imaging • Utility Coordination

# CITY OF SUNNY ISLES BEACH

## NE 174<sup>TH</sup> STREET ROADWAY

### INFRASTRUCTURE IMPROVEMENTS

#### Project Entity:

City of Sunny Isles Beach  
18070 Collins Avenue  
Sunny Isles Beach, FL 33160

#### Contact:

Richard Labinsky  
City Engineer  
(305) 792-1817  
[rlabinsky@sibfl.net](mailto:rlabinsky@sibfl.net)

CAS Project No.: 14-1758

CAS Profile No.: 91

#### Project Description:

The Roadway Improvements Project for NE 174<sup>th</sup> Street consisted of a reconstruction of both the drainage and the road for approximately 0.2 miles from Collins Avenue to North Bay Road. The existing roadway system was failing due to poor soil conditions, a limited drainage system and an undersized outfall. The new roadway incorporated a reconstructed base with geotech fabric to offset the soils. The design also included a new drainage system that met water quality requirements, site demolition, road regrading, utility relocations, sidewalks and paver walkways, landscaping, curbing, bike paths and parallel parking. The design was completed within two years under budget at a cost of \$356,014. Construction of the project was completed in the Spring of 2017 with an estimated cost of \$3,682,392.

#### Responsibilities:

Survey, utility locates, preparation of engineering design and construction plans, stormwater modeling and calculations, cost estimates, contract documents and permitting.

#### Key Personnel:

Stephen C. Smith, P.E. – President; Robert D. Keener, P.S.M. – Vice President of Survey; James Driscoll – Vice President of Utility Locates; Orlando A. Rubio, P.E. – Vice President of Stormwater Engineering; Todd Larson – Senior Field Representative; William Tanto – Senior Field Representative







## **Project Experience**

A sampling of some of the major projects completed by FTC which demonstrate its experience and expertise is as follows:

### **Town of Highland Beach Utility Department**

3616 S. Ocean Boulevard, Highland Beach FL 33487

Tel: 561-243-2084

Contact Person: Pat Roman, Public Works Director

Email: [proman@highlandbeach.us](mailto:proman@highlandbeach.us)

Project Dates: Oct. 2018 - August 2023

Contract Award Value: \$100,000.00

**Project Summary:** Between 2018 and 2023, FTC built and maintained the Town Utility GIS, along with some ancillary work with other departments. FTC developed GIS Utility layers based on record drawings and created the Town GIS Platform with groups and maps. FTC built tools for data collection and trained staff to track and update data from the field.

### **Cooper City Utility Department**

11791 SW 49th St., Cooper City, Florida 33330

Tel: 954-434-5519, Fax: 954-680-3159

Contact Person: Raj Verma, Utilities Director

Email: [rverma@coopercityfl.org](mailto:rverma@coopercityfl.org)

Project Dates: Oct. 2014 - present

Contract Award Value: \$200,000.00

**Project Summary:** This is a large and ongoing project in which FTC converted Cooper City's entire CAD Atlas to GIS. The systems included are water, sewer and drainage. In addition, FTC has set up geometric networks which were run for valve isolation and capacity analysis. Other activities included coordinating hydrant labels for the Fire Department and tracking the progress of the contractor who was responsible for the ongoing valve turning contract. Online ArcGIS applications were also developed and Cooper City's Utilities' staff was trained to update and verify features as well as track emergency utility repairs.

### **South Martin Regional Utility (SMRU)**

9000 SE Athena St, Hobe Sound, FL 33455

Tel: 772-284-4205, Fax: 772-546-6378

Contact Person: Dave Thomas, Operations Manager

Email: [dthomas@tji.martin.fl.us](mailto:dthomas@tji.martin.fl.us)

Project Dates: May 2015 to present

Contract Award Value: \$115,000.00



**Project Summary:** For this project FTC converted the client's entire utility Atlas to GIS which included both water and sewer systems. The process was complicated by the fact that some of the existing CAD parcel data was incorrect which in cases necessitated field verification. To facilitate this field verification FTC developed mobile apps in ArcGIS in order to validate the data in the field.

**Coral Springs Improvement District (CSID)**

10300 NW 11th Manor, Coral Springs, FL 33071

Tel: 954-796-6608, Fax: 954-757-4850

Contact Person: Curt Diggins, CSID Supervisor

Email: [curtd@fladistricts.com](mailto:curtd@fladistricts.com)

Project Dates: Oct. 2015 to present

Contract Award Value: \$40,000.00

**Project Summary:** FTC provided the client with data setup services and training so that the client's staff was able to collect and input their data directly into their GIS program. In addition, FTC's services included mapping of water main breaks with a density analysis being carried out to prioritize replacement. Also staff was trained in the use of ArcGIS for both field and desktop applications.

**City of Boynton Beach Utilities Department**

124 E. Woolbright Rd., Boynton Beach, FL 33435

Tel: 561-742-6403, Fax: 561-742-6090

Contact Person: Waneya Bryant, Manager of Asset Management Systems

Email: [bryantw@bbfl.us](mailto:bryantw@bbfl.us)

Project Dates: Dec. 2016 to March 2022

Contract Award Value: \$150,000.00

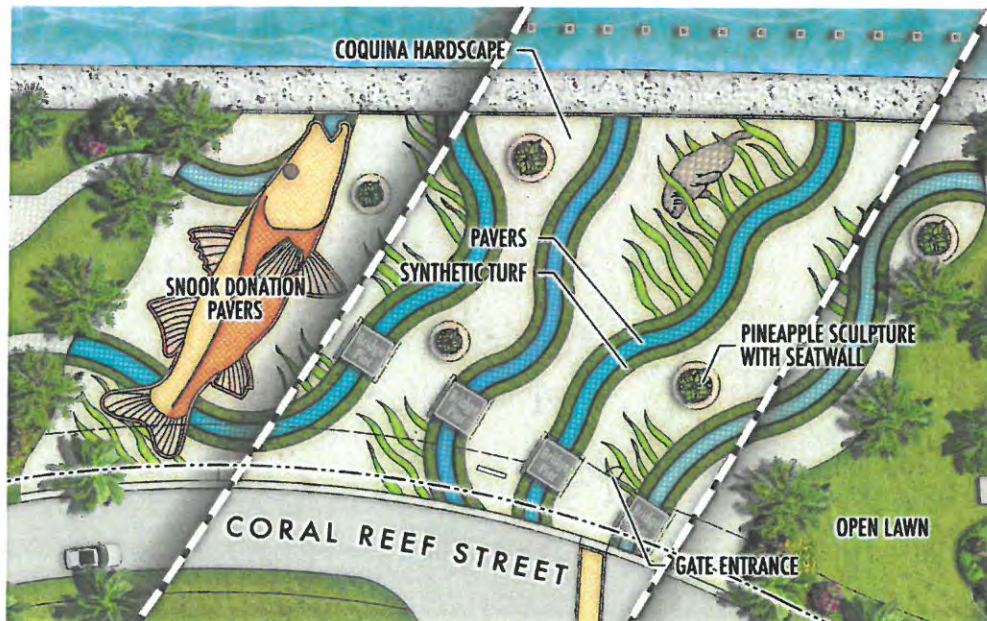
**Project Summary:** FTC created a GIS data set to support modeling of the potable water, sanitary sewer, reclaimed water and stormwater systems. Several sources of existing data were merged and topologically cleaned for snapping and node creation. Elevations were extracted and used to populate nodes. In addition, ArcGIS applications were developed and the client's staff were trained to inventory and field verify the various systems' features.

# CROSTOWN PARKWAY

PORT ST. LUCIE, FLORIDA



**CLIENT:** City of Port St. Lucie  
**LOCATION:** Port St. Lucie, Florida  
**PROJECT TYPE:** Municipal  
**SERVICES PROVIDED:** Zoning Entitlements, Site Planning and Landscape Architecture  
**PROJECT COST:** \$500,000  
**COMPLETION DATE:** November 2019



Cotleur & Hearing was retained by the City of Port St. Lucie to prepare a conceptual site plan for a park and plaza under the new bridge that will cross over the St. Lucie River connecting Crosstown Parkway and Manth Lane to U.S. 1. This is a conceptual plan and not currently approved by City of Port St. Lucie council.

# VILLAGE OF ROYAL PALM BEACH MUNICIPAL COMPLEX

ROYAL PALM BEACH, FLORIDA

Cotleur & Hearing was retained by the Village of Royal Palm Beach to develop a Landscape Master Plan for the Village's Municipal Complex located at the intersection of Okeechobee Boulevard and Royal Palm Beach Boulevard. Cotleur & Hearing was also responsible for developing a hardscape improvement plan to foster greater resident utilization of this tremendous asset. Hardscape improvements include a pedestrian plaza, which spatially connects the Council Chambers with the administration building, sidewalks, and walking trails including a boardwalk along the existing lake. The overall design theme was intended to maintain the natural park-like setting while creating greater continuity between different uses on the site. Cotleur & Hearing's scope of work included processing the required zoning approvals for the revised municipal campus.



CLIENT:	Village of Royal Palm Beach
LOCATION:	Royal Palm Beach, Florida
PROJECT TYPE:	Municipal Institution
SERVICES PROVIDED:	Zoning Entitlement, Landscape Architecture Hardscape/ Irrigation Design
PROJECT SIZE:	30-acres
COMPLETION DATE:	2004



LAND PLANNING + LANDSCAPE ARCHITECTURE + TRANSPORTATION  
WWW.COTLEURHEARING.COM

# CRESTWOOD PARK

VILLAGE OF ROYAL PALM BEACH, FLORIDA



Cotleur & Hearing was retained by the Village of Royal Palm Beach to provide planning and landscape architectural services for a 5.77 acre recreational park to include a large multi-purpose recreational field, playground, two basketball courts, two pickleball courts, two tennis courts, volleyball court, pavilions, and restroom facility. This new addition to the public parks within the Village is an example of the dedication the Village of Royal Palm Beach has to residents in providing recreation space throughout the Village. This unique park provides a variety of recreation activities and is positioned to take advantage of the adjacent canal for potential watercraft use.

<b>CLIENT:</b>	Village of Royal Palm Beach
<b>LOCATION:</b>	Village of Royal Palm Beach, Florida
<b>PROJECT TYPE:</b>	Recreational Community Park - Village of Royal Palm Beach
<b>SERVICES PROVIDED:</b>	Planning and Landscape Architecture
<b>PROJECT COST:</b>	\$1.65M
<b>PROJECT SIZE:</b>	5.77 Acres
<b>COMPLETION DATE:</b>	ETA 2024

# PALM BEACH COUNTY TAX COLLECTOR

WESTLAKE, FLORIDA

Cotleur & Hearing was retained by Song & Associates on behalf of the Palm Beach County Tax Collector to provide the site plan entitlement process and landscape architectural plans for the Tax Collector's newest service location in Westlake, Florida. Consisting of 23,735 square feet on 4.63 acres, this state-of-the-art sleek and modern building is located fronting Town Center Parkway, immediately to the east of the existing PBC Fire Rescue Station, off of Seminole Pratt Whitney Road.



- CLIENT:** Song & Associates/Palm Beach County Tax Collector
- LOCATION:** Westlake, Florida
- PROJECT TYPE:** Governmental Facility
- SERVICES PROVIDED:** Planning, Entitlements, Site Planning, and Landscape Architecture
- PROJECT SIZE:** 23,735 sq.ft./4.63 Acres
- COMPLETION DATE:** Opened to the Public February 2022



LAND PLANNING + LANDSCAPE ARCHITECTURE + TRANSPORTATION  
WWW.COTLEURHEARING.COM



### Palm Beach County Fire Station # 10

Cotleur & Hearing Inc. was retained by Palm Beach County to conduct the due-diligence evaluation of a 20 acre parcel located in the Florida Research Park. The purpose of the due diligence was to evaluate the suitability of 2.5 acres of the parent parcel for the construction of a Fire Station to serve the region. Cotleur & Hearing's environmental staff evaluated existing environmental conditions and the opportunities and constraints provided by the existing Florida Research Park Development Order. A 2.5 acre site was identified as being most suitable for the facility. Cotleur & Hearing's planning staff worked with Palm Beach County's Facilities, Development & Operations to develop a site plan that meets their objectives. While the site was small, Cotleur & Hearing was able to work with Palm Beach County Land Development to obtain a consensus plan.

Services Provided: Planning, Due Diligence, Environmental Consulting, Conceptual Site plan  
Completion: 2011



### Palm Beach County Fire Station # 14

Cotleur & Hearing, Inc. was retained by Palm Beach County to assist in the pre-acquisition due diligence for a proposed Palm Beach County Fire Station site to be known as Fire Station No. 14. The due diligence team evaluated several sites before selecting the property. The site selected is located at the corner of Jupiter Farms Road and Alexander Run, and as such, provides quick convenient access to a signalized intersection. Cotleur & Hearing's environmental team was successful in having the site excluded from the jurisdiction of the South Florida Water Management District and the U. S. Army Corps of Engineers enabling a more expedited permitting process. The landscape architectural design for the facility responded to the natural environment and the rural setting of the site.

Services Provided: Planning, Due Diligence, Environmental, Permitting, LA  
Completion: 2010



### Palm Beach County Fire Station # 34

Cotleur & Hearing, Inc. was retained by Palm Beach County Facilities Development and Operations to manage a professional team responsible for the rezoning of the subject property. Fire Station No. 34 was developed as a special exception in the early 1980s under the old Palm Beach County Zoning "R" Code. Cotleur & Hearing was responsible for rezoning the property from Residential /Estate to Public Ownership. The rezoning provides the County with increased flexibility for future development. As part of the task, C&H abandoned the original conditions of the Fire Station's special exception and secured a new DRO approval to allow for an existing "mono-pole," communication tower to remain. C&H's environmental staff worked with FD&O to develop a strategy to take advantage of the existing vegetation preserve that existed on the site.

Services Provided: Zoning Entitlement  
Completion: 2011



### Palm Beach County Fire Station # 74

Cotleur & Hearing, Inc. was retained by Palm Beach County Facilities Development and Operations to assist in a due-diligence analysis for the proposed South Bay Fire Station site. The subject site is located within the incorporated South Bay area on State Road 27. The subject property contains a lengthy history dating back to its acquisition thru the Drug Enforcement Agency. C&H worked with Palm Beach County's FD&O and South Bay representatives to establish an expedited process for securing the necessary zoning and building permit approvals to develop the property. The due diligence team also worked with the city to establish a means for providing emergency and secondary access, as well as legal, positive, drainage outfall for the project and adjacent properties.

Services Provided: Site Planning, Zoning Due Diligence, Land Use & Zoning Entitlements  
Completion: 2012



# Cotleur & Hearing

## Palm Beach County Libraries Palm Beach County, FL



### *Palm Beach County / West Boca Library*

Cotleur & Hearing, Inc. was retained by Anna Cottrell and Palm Beach County Facilities to provide environmental consulting services for the proposed West Boca Library site. Cotleur & Hearing worked successfully with the USF&W Service and Palm Beach County ERM to address complex issues associated with impacts on existing wading bird and rookery.

Cotleur & Hearing was responsible for limiting the jurisdiction of onsite wetlands with the SFWMD and USACOEs. In addition to environmental consulting services, Cotleur & Hearing's planning staff assisted the project team in developing a Conceptual Master Plan for ultimate development of the property and for use during the rezoning process.

**Services Provided:** Environmental Consulting  
**Completion:** 2010



### *Palm Beach County / Belle Glade Library*

Cotleur & Hearing, Inc. was retained to provide planning and due diligence services by Palm Beach County for the proposed Belle Glade library facility. The proposed library will also contain 4,000 sq. ft. for public meetings/civic hall space for the City. Cotleur & Hearing was responsible for leading the due diligence consulting team to establish the design parameters for the site and to develop the preferred site plan. Cotleur & Hearing worked closely with Palm Beach County and the City of Belle Glade to address land use consistency issues related to the site's recreational land use designation. Following completion and acceptance of the Due Diligence report, Cotleur & Hearing anticipates processing the zoning entitlements and site plan approvals through the City of Belle Glade.

**Services Provided:** Zoning Entitlements Pending, Due-Diligence  
**Completion:** 2011



### *Palm Beach County / North County Library*

Cotleur & Hearing, Inc. was retained by Anna Cottrell & Associates and Palm Beach County Facilities to assist in securing the zoning entitlements to amend the North County Governmental PCD and to obtain site plan approval for the proposed North County Regional Library expansion. C&H's staff worked closely with the City of Palm Beach Gardens' representatives to expedite the development approval process. The proposed development plan resulted in the creation of an additional future building site by relocating the previously approved upland preserve area to a contiguous location which is west of the City of Palm Beach Gardens' Mall linkage road. Additionally, C&H was responsible for developing a Preserve Area Management Plan to support the relocation of the upland preserve and to provide habitat for the existing population of gopher tortoises that occupy the undeveloped portions of the PCD.

**Services Provided:** Zoning Entitlement, Environmental Consulting, Project Management and Representation  
**Completion:** 2010



# BROWARD COUNTY CIVIL/FAMILY - JUDICIAL COURTHOUSE

Pompano Beach, Florida



adult and juvenile holding cells, evidence and firearms storage, as well as office and retail space. The project initiated with the demolition of an existing parking garage to pave the way for the new courthouse. Plans are also in place for the demolition of the existing west and central courthouses to make room for a new parking garage.

The BCC stands as a prominent civic landmark, employing several architectural strategies to establish a significant presence. The design situates the lobby adjacent to a newly developed civic plaza, creating a seamless connection between the new courthouse and the existing east wing. Future plans include the addition of a garage with retail spaces on the ground floor, further enhancing the appeal of the plaza. The L-shaped tower configuration not only offers the public an elevated perspective of the civic space but also provides breathtaking views of the South and East, overlooking the beautiful beaches of Fort Lauderdale. The façade features a striking glass curtain wall adorned with vertical fins, which not only give the structure a dignified civic expression but also serve as solar screening devices along the public corridors.



To define and enhance the public spaces associated with the new plaza, careful attention has been given to landscaping, paved surfaces, lighting, and furnishings. Thoughtfully selected plantings create intimate and human-scale spaces for circulation and shaded gathering areas, serving as a complementary feature to the courthouse's functionality.

The remarkable design and execution of the Broward County Civil/Family Courthouse have garnered recognition and accolades from the architectural community. Notably, the project received a "Certificate of Merit" from the American Institute of Architects - Academy of Architecture for Justice in 2011, acknowledging its excellence in design and its contribution to the field of justice architecture.

The BCC project exemplifies a commitment to creating a functional and visually stunning civic space that not only meets the needs of the courts but also enhances the surrounding community. With its innovative design, meticulous attention to detail, and recognition from esteemed architectural organizations, the Broward County Courthouse stands as a testament to the harmonious integration of architectural excellence and civic functionality.

# BROWARD COUNTY JUDICIAL - PARKING GARAGE & CIVIC PARK

Pompano Beach, Florida



## Project Description

The Broward County Courthouse Parking Garage project serves as a vital addition to the courthouse complex, strategically situated between the New Broward County Courthouse and the existing East Wing Building on SE 6th Street. With a primary focus on convenience and functionality, this project entails the construction of a new parking structure capable of accommodating 497 parking spaces across six levels, spanning a total area of 237,110 square feet. The parking garage is intended to primarily serve judges, courthouse staff, and employees, and its implementation will follow the demolition of the existing West and Central Wing Buildings.

The ground level of the parking garage will incorporate supporting and maintenance areas, along with office and retail spaces facing the Courthouse Plaza and the breezeway that connects 6th Street to Riverwalk. Vehicular access to the parking garage will be exclusively through Courthouse Drive, ensuring an efficient traffic flow within the complex.

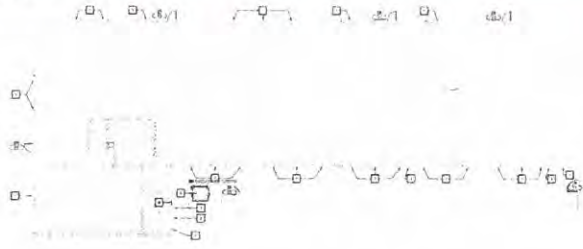
The primary exterior façade of the Parking Garage will face the Courthouse Plaza and feature an elegant design that harmonizes with the New Courthouse Building. This design will be realized using precast concrete panels, with an integrated color and light sandblasted finish, seamlessly blending with the architectural aesthetic of the surrounding structures. To enclose the parking area behind this surface, aluminum sight-proof louvers will be incorporated into the central area of the façade. Furthermore, a metal canopy, matching the Courthouse Building canopy, will be installed to protect retail entry doors and offer shade and shelter for pedestrians.

At the heart of the Parking Garage, a 72-foot-wide breezeway will penetrate the structure, establishing a pedestrian axis from 6th Street to the north Riverwalk. This thoughtfully designed breezeway will enhance accessibility and connectivity, facilitating movement and promoting pedestrian activity. The strategic positioning of the office/commercial areas and the elevator lobby facing the breezeway will create vitality and encourage its utilization, generating an engaging and vibrant environment.

The Broward County Courthouse Parking Garage project is a testament to a commitment to efficient and user-friendly design. By providing ample parking capacity and incorporating architectural elements that seamlessly integrate with the existing courthouse complex, the parking garage enhances accessibility, convenience, and overall functionality. Additionally, the project contributes to the aesthetic appeal of the Courthouse Plaza, creating a harmonious and visually pleasing environment for all visitors and occupants of the complex.

# CITY OF OAKLAND PARK - POLICE MUNICIPAL BUILDING HARDENING

Oakland Park, Florida



FIRST FLOOR PLAN



SECOND FLOOR PLAN

## PROJECT DESCRIPTION

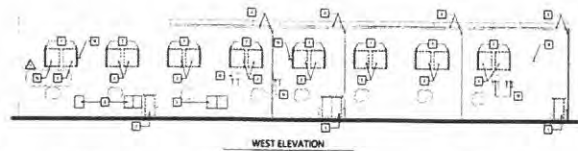
### OAKLAND PARK MUNICIPAL BUILDING HARDENING PROJECT OVERVIEW:

Justin Architects, P.A. took the lead in orchestrating the comprehensive hardening initiative for the Municipal Building, incorporating the following key scope elements:

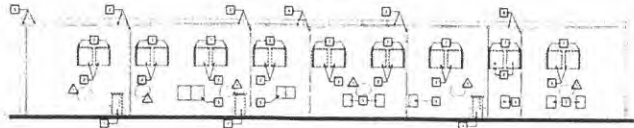
- **Building Enclosure Hardening:** Our approach began with a rigorous assessment of the existing roof conditions.
- **Exterior Windows and Doors Replacement:** Elevating security by upgrading the building's exterior through the installation of new windows and doors.
- **Elevator Modernization:** Elevators were modernized to meet contemporary standards, enhancing functionality and safety.
- **Generator Replacement:** A pivotal step in guaranteeing a seamless and uninterrupted power supply for critical operations.
- **Automatic Transfer Switch (ATS) Replacement:** Ensuring a smooth transition of power during unforeseen outages.

Our collaborative effort extended to the creation of meticulous construction documents, developed in close coordination with City Staff. Our foremost objective was to safeguard the continuity of critical services provided by this facility to the community.

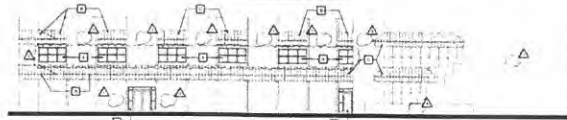
Additionally, our scope encompassed permit assistance and active involvement in Construction Administration, where we diligently worked alongside the City to adhere to budgetary constraints and meet the project's prescribed construction schedule. Furthermore, our responsibilities spanned the coordination and execution of structural, mechanical, electrical, plumbing, and fire protection elements, ensuring a comprehensive and seamless approach to the project.



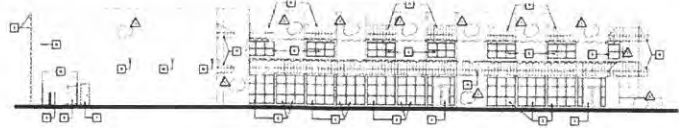
WEST ELEVATION



NORTH ELEVATION

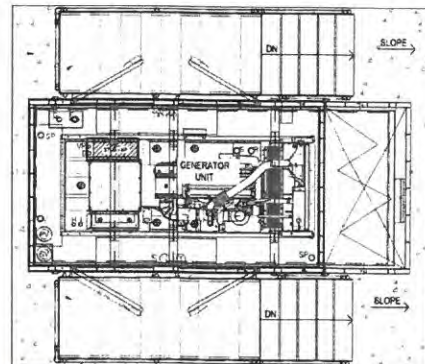


EAST ELEVATION



SOUTH ELEVATION

EXTERIOR ELEVATIONS



# POMPANO BEACH PUBLIC SAFETY COMPLEX - BSO & FIRE ADMINISTRATION

Pompano Beach, Florida



## Project Description

Justin Architects was commissioned in 2019 for a significant renovation project involving the Pompano Beach Public Safety Complex and Fire Administration Building. This endeavor encompassed the renovation of interior or spaces within two crucial facilities, namely the Public Safety Complex situated at 100 SW 3rd Street and 120 SW 3rd Street.

The scope of this renovation project was extensive and multifaceted. It involved the complete enhancement of the interior spaces within both the Public Safety Complex and the Fire Administration Building. These two facilities played pivotal roles in the overall public safety and emergency response infrastructure of the Pompano Beach community.

This project was the necessity for close and continuous collaboration with two essential stakeholder groups: the Broward Sheriff's Office (BSO) deputies and the Fire Department personnel. Given the nature of the facilities being renovated, it was imperative that the design and renovation process aligned seamlessly with the operational needs and requirements of both the BSO and the Fire Department.

This collaborative effort entailed ongoing communication and coordination with BSO deputies who were responsible for maintaining law and order within the Pompano Beach area. Their input and insights were invaluable in ensuring that the renovated spaces were conducive to their operational needs and conducive to their mission of public safety.

Similarly, working closely with Fire Department personnel was essential, as their daily operations and emergency response capabilities were of utmost importance to the safety and well-being of the community. The renovation project had to consider the unique requirements of firefighters, including the need for specialized facilities and equipment storage, to optimize their response times and effectiveness.



The renovation project at the Pompano Beach Public Safety Complex and Fire Administration Building was a complex and critical undertaking. It involved not only the physical transformation of interior spaces but also a deep engagement with the Broward Sheriff's Office and Fire Department personnel. This collaborative approach ensured that the renovated facilities were well-suited to meet the demands of public safety and emergency response for the Pompano Beach community.

# TOWN OF DAVIE - NEW TOWN HALL, DESIGN CRITERIA PACKAGE

Davie, Florida



## Project Description

Justin Architects has been entrusted by the Town of Davie to undertake a comprehensive architectural and engineering role, encompassing both design and construction services for the Design Criteria Package (DCP) of the new town hall and its associated site enhancements.

Functioning as a hub for administrative and civic activities, the New Town Hall is poised to accommodate 16 Departments. Among these, the Building, Engineering, Planning and Zoning Departments will find their home here, alongside the Community Redevelopment Agency (CRA) Department. The design approach artfully blends rustic western vernacular architecture with modern elements, respecting the town's historical heritage while propelling it forward into a promising future.

Throughout the meticulous site design process, Justin Architects remained steadfast in their commitment to preserve and seamlessly integrate the existing mature trees. The team also carefully considered the relocation and preservation of 9 memorial plaques, in addition to the Town's Time Capsule. To enhance accessibility, the site design incorporates 100 parking spaces on the eastern side of the project's location.

Adherence to the Building Construction Type aligns with the current Florida Building codes as mandated by the DCP. While the Town of Davie didn't mandate third-party certification for sustainable design, Justin's dedicated team aimed to weave sustainable design principles equivalent to LEED Silver into the project. This comprehensive approach seeks to minimize non-renewable energy consumption, conserve water, elevate indoor environmental quality, maximize the utilization of natural daylight, and optimize operational and maintenance protocols. The result is a thoughtful integration of functionality, aesthetics, and sustainability that will serve the Town of Davie with distinction.





## PROJECT SUMMARY

Project Name:  
Headworks Rehabilitation Project

Owner: City of Boca Raton Utilities Department

Client: Hazen and Sawyer, Inc.

Project Information:

Location: Boca Raton, FL

Dates: November 2015 – June 2016

Client Contact

Ms. Alexandra Smith-Prance, EIT

2101 NW Corporate Boulevard, Suite 301

Boca Raton, FL 33431

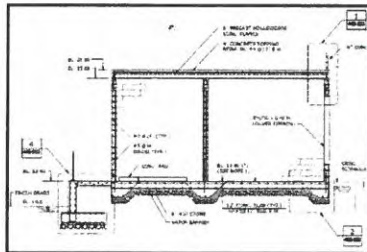
Phone No.: 561-977-8070

The Headworks Rehabilitation Project is located in the City of Boca Raton Waste Water Treatment Plant facility in the City of Boca Raton.

The project includes a new Headworks Electrical Building proposed to be constructed adjacent to the NW side of the existing Primary Sludge Pump Building to house new electrical and control equipment associated with the electrical and control system rehabilitation. A retaining wall is planned to be constructed on three sides of the proposed electrical building in order to raise grades for the building and to prevent water from bearing on the exterior walls during high water periods and prevent erosion due to the existing and final grade differences.



RADISE provided geotechnical engineering services including field exploration and laboratory testing services. The field exploration program to evaluate the existing subsurface conditions for the project consisted of drilling three (3) Standard Penetration Test (SPT) borings. Representative soils samples collected from the SPT borings were classified based on visual observations supplemented by laboratory test results performed on selected representative samples. Laboratory index tests consisting of Full Sieve Analysis, Percent Passing No. 200 Sieve, Moisture and Organics Content tests were performed on selected samples.



RADISE provided Geotechnical Services Report which includes the detailed graphical logs of the soil borings, groundwater levels, soil classification, geotechnical recommendations for the design and construction of the Headworks Electrical Building and Retaining Wall.

## PROJECT ELEMENTS

- New Headworks Electrical Building
- Retaining Wall
- Floating Floor Slab

## RADISE ROLE:

### GEOTECHNICAL ENGINEER OF RECORD

#### Field Exploration and Testing

- SPT Borings

#### Laboratory Testing

- Moisture Content Tests
- Full Sieve Analysis Tests
- Percent Passing No. 200 Sieve Tests
- Organics Content Tests

#### Engineering Services

- Soil Classification
- Shallow Foundation Recommendations
- Retaining Wall Design Recommendations
- Construction Considerations

## PROJECT SUMMARY

### Project Name:

**Tamarind Avenue Streetscapes and utility improvements  
(Banyan Blvd. to Palm Beach Lakes Blvd.)**

**Owner : City of West Palm Beach, FL**

**Client: Calvin, Giordano & Associates**

### Project Information:

Location: City of West Palm Beach , FL  
Dates: 12/2015 to 3/2016

### Client Contact:

Mr. Patrick Figurella, P.E.  
560 Village Blvd., Suite 340  
West Palm Beach, FL 33409  
Phone: 561-434-8918

The 2/3rds of a mile long project is located in West Palm Beach, Florida along Tamarind Avenue from Banyan Boulevard to Palm Beach Lakes Boulevard.

Tamarind Avenue is a two lane -two way road with on-street parking on both sides. The improvements include the city's planned water and sewer upgrades and drainage infrastructure improvements along with a new pavement structure and streetscape improvements. This subsurface infrastructure work will include replacing the city's 24-inch water main with new 30-inch D.I.P. piping.



RADISE provided geotechnical engineering services including field exploration/testing and laboratory testing services. The field exploration program consisted of drilling eighteen (18) SPTs borings and two field permeability tests which were performed in the proposed retention areas to evaluate the hydraulic conductivity characteristics of the existing soil profile components. The work also included drilling ten (10) pavement cores to evaluate the existing pavement thicknesses and profile sections of Tamarind Avenue.

Representative soils samples collected from the boring were classified based on visual observations supplemented by representative laboratory test results. Laboratory index tests performed consisted of full Sieve Analysis, Percent Passing No. 200 Sieve, Natural Moisture and Organics Content tests.

RADISE provided a Geotechnical Services Report which includes the detailed graphical logs of the soil borings, groundwater levels, soil classifications, permeability test results and asphalt, concrete and base rock thickness at the cored locations. RADISE also provided engineering recommendations for various components of the project including clearing and grubbing; excavation safety; select fill composition, placement and compaction criteria; underground utilities construction and pavement design considerations.

### PROJECT ELEMENTS

- Roadway pavement Replacement / improvement
- New Streetscapes
- Utilities upgrades
- Drainage improvement

### RADISE ROLE:

#### GEOTECHNICAL ENGINEER OF RECORD

#### Field Exploration and Testing

- SPT Borings
- Asphalt Coring
- Exfiltration Tests

#### Laboratory Testing

- Moisture Content Tests
- Full Sieve Analysis Tests
- Percent Passing No. 200 Sieve Tests
- Organics Content Tests

#### Engineering Services

- Soil Classification and Profiles
- Exfiltration Tests Result
- Recommendations
  - Clearing and Grubbing,
  - Underground Utilities,
  - Select Fill Composition, Placement and Compaction
  - Utility Excavation and Dewatering
- Flexible Pavement Design

## City of West Palm Beach Loftin Place Street Lighting

### Project Entity:

City of West Palm Beach, FL  
401 Clematis St, West  
Palm Beach, FL 33401,  
United States

### Contact:

Laura Le  
(561) 822-1300

### Project Description:

Designed the electrical systems, including new decorative lighting poles and fixtures, for the Loftin Place development along North Dixie Highway between 6th St. and Eucalyptus St. The electrical systems included a new electrical service and power distribution for photoelectric controlled street lights. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared for the selected decorative lighting.

### Responsibilities:

Electrical engineering, preliminary design, preparation of engineering design and construction plans and specifications, cost estimates, contract documents, bidding, permitting, construction management and construction observation, and certification through project close-out.







## City of Lake Worth Beach Master & Re-Pump Stations

### Project Entity:

City of Lake Worth Beach  
120 N. Federal Hwy. Suite 104  
Lake Worth Beach,  
Florida. 33460

### Contact:

Julie Parham, P.E.  
Senior Project Engineer  
(561) 533-7369

### Project Description:

Two (2) existing wastewater pump stations were recently rehabilitated. The work included the installation of new variable frequency drives (VFD's) and remote telemetry units (RTU's) for the control of existing wastewater pumps. At the Master-Pump Station a new electrical room was enclosed and air-conditioned to house the new VFD's. The existing electrical service was modified to distribute power to the new equipment.

At the Repump Station new VFD's were installed within the pump station and fed from the existing electrical service which was modified for this purpose. Upgraded telemetry systems were designed for both stations to replace the existing, aging systems, and to provide control and status reporting to the existing central station.

### Responsibilities:

Electrical engineering, preparation of engineering design and construction plans, cost estimates, contract documents, bidding, permitting, construction management and construction observation, and certification through project close-out.



# City of West Palm Beach Clematis Streetscape Improvements

## Project Entity:

City of West Palm Beach, FL  
401 Clematis St, West  
Palm Beach, FL 33401,  
United States

## Contact:

Tinu Pena  
561-494-1051

## Project Description:

Smith Engineering Consultants, Inc. designed the electrical systems, including new decorative lighting poles and fixtures, along Clematis Street in the 100 and 200 Blocks from Flagler Drive to Olive Avenue. The electrical systems included a new electrical service and power distribution for photoelectric controlled street lights, power pedestals and receptacles. Calculations for the roadway illumination were made in accordance with city requirements, and light pole details prepared for the selected decorative lighting.

## Responsibilities:

Electrical engineering, preparation of engineering design and construction plans, cost estimates, contract documents, bidding, permitting, construction management and construction observation, and certification through project close-out.



## Palm Beach County LS 5243 Generator Installation

### Project Entity:

Palm Beach County  
Water Utilities Department  
8100 Forest Hill Blvd.  
West Palm Beach, FL 33413

### Contact:

John Rich, P.E.  
(561) 493-6116

### Project Description:

The project included the installation of a standby power generator and diesel fuel tank at the County's existing Lift Station No. 5243. The existing chemical building is being modified to house the relocated generator. A new above ground, diesel fuel tank will be installed on site to provide adequate fuel for the required duration of operation.

A new electrical service was designed, including a new automatic transfer switch, to provide both normal and emergency power to the wastewater pumps. A new pump control panel was designed in accordance with the County's latest standards.

### Responsibilities:

Electrical engineering, preparation of engineering design and construction plans, cost estimates, contract documents, bidding, permitting, construction management and construction observation, and certification through project close-out.



# City of West Palm Beach

## Lift Station Improvements and Rehabilitation (LS Nos.: 4, 7, 44, 52, 75, 74, and 153)

### Project Entity:

City of West Palm Beach  
401 Clematis Street  
West Palm Beach, FL 33401

### Contact:

Suzanne Halverson, P.E.  
(561) 494-1075

### Project Description:

This project consisted of the rehabilitation of several existing lift stations and included electrical design, including power, controls, instrumentation and telemetry/SCADA for the installation of new pump control panels and remote telemetry units (RTU's), throughout the City of West Palm Beach's service area.

### Responsibilities:

Electrical engineering, preparation of engineering design and construction plans, cost estimates, contract documents, bidding, permitting, construction management and construction observation, and certification through project close-out.



## **4 – Approach To Project Management (20 points)**



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# 4 - APPROACH TO PROJECT MANAGEMENT



## GENERAL PROJECT APPROACH

Our project philosophy is to provide experienced professional staff to work seamlessly as an extension to the Town's staff to provide the best possible services and solutions to complete the assigned projects, cost effectively and on schedule. Establishing a clear set of goals and deliverables that will meet project requirements and continuously coordinating with team members and Town staff during all phases of the projects will be critical for success.

The CAS philosophy utilizes a phased approach towards assisting the Town and for implementation of each assigned project. Our project approach is as follows:

### PHASE I – PROJECT DEVELOPMENT AND PLANNING

- Meeting with Town Staff to review the project scope (Pre-Design Conference)
- Develop a fee proposal to match the project scope
- Finalize the scope and proceed with a kickoff meeting with the Town Staff
- Perform Pre-Design Field Condition Assessment
- Prepare preliminary (conceptual) engineering design plans)
- Prepare preliminary construction cost estimate for budgeting purposes

CAS shall develop project scope, prioritize and phase design work for the assigned capital improvement projects in a manner that will avoid schedule conflicts and allow for an efficient flow of work. The CAS Team believes a **high level of consistent communication** is essential in providing a successful completion of the assigned projects. Our design and construction management team will maintain a high level of communication with continuous accessibility to CAS staff and all other team members (sub-consultants). The CAS Team goal is to seamlessly operate as an extension to Town staff to satisfactorily complete projects on time and on or under budget.

### PHASE II – SURVEY AND ENGINEERING DESIGN

- Survey site as needed



## **Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# **4 - APPROACH TO PROJECT MANAGEMENT**

- Review existing record drawings, utility atlases and evaluate field conditions
- Utility Locates utilizing available technologies, such as *Vacuum Soft Digs*, *EM Designation*, *2-D GPR* and *3D Radar Scanning*
- Utilize necessary Engineering (Electrical) design methods, establish all design requirements
- Utility Coordination (Cable Companies, Gas, FPL, etc.)
- Establish all permitting requirements
- Prepare preliminary conceptual cost estimate
- Prepare preliminary 30% engineering design plans
- Quality control meetings with CAS staff
- Meet with Town Staff to review project design, schedule and budget
- Prepare 60% engineering design plans
- Pre-Permit Meeting with Regulatory Agencies
- Adjust preliminary project quantities and estimated costs

### **PHASE III – FINAL ENGINEERING AND BIDDING**

- Preparation of 90% Engineering Design Plans
- Preparation of final specifications and contract documents
- Quality Assurance Review with the Town
- Finalize cost estimate; Develop Bid Tabulation (Schedule of Values)
- Meet with Town Staff to review project design, schedule and budget
- Finalize permitting
- Deliver 100% Engineering Design Plans (Construction Plans)
- Provide any final plan and specification revisions for bidding
- Advertise for Bidding
- Bid Project (typical 30 days); solicit qualified bidders
- Prepare bid addenda and answer contractor RFI's
- Assist Town in receipts of bids
- Review bids and bidder qualifications
- Recommend award
- Assist Town with contracts

### **PHASE IV – CONSTRUCTION MANAGEMENT**

The CAS team can provide the following Engineering Inspection (CEI) services as required by the Town:

#### **1. Public Outreach Meeting**

The CAS team will schedule a public stakeholder outreach meeting at the Town's facilities as noted in the CAS team Outreach approach.

#### **2. Pre-Construction Services and Construction Progress Meetings**

The CAS team will prepare the agenda and facilitate the pre-construction conference with selected Contractor and Town staff. Prepare and issue written minutes of meeting. The pre-construction meeting and construction progress meeting agendas may include, but will not be limited to:

- Organization and team member roles
- Project communications
- Procedures for shop drawing submittals and submittals during construction





## **Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# 4 - APPROACH TO PROJECT MANAGEMENT

- Discussion of project safety
- Pollution prevention
- Phasing and Sequencing Plan
- Work Schedules
- Communications/coordination protocols with the Town and stakeholders
- Maintenance of Traffic (MOT)
- Scheduling progress meetings
- Shop drawings / submittals review and approval process
- Change order process management
- Progress payments and progress reporting
- Inspections and testing
- Utilities locating requirements
- Record drawings/Operation manuals
- Warranties
- Start-up & Testing
- Substantial Completion
- Project Closeout



### **3. Review of Required Documents and Submittal from Contractor**

The CAS team will receive, log and review the required documents submitted by the contractor. The document review will include miscellaneous submittals, such as schedule of values, cost loaded CPM schedule and sequencing, Quality Assurance Plan, MOT Plan, Safety Plan, Pollution Prevention Plan, Phasing Plan, Contractor's list of sub-contractors and suppliers, Requests for Information (RFI), as well as compliance submittals; such as, shop drawings, inspections and testing reports.

### **4. Review of Contractor's Update to the Construction Schedule and Sequencing**

The CAS team will review the contractor's monthly updates to the proposed project schedule. The CAS team will review and validate to ensure that construction of the project is on schedule or advise the Town Project Manager of any variance from the originally approved project schedule.

Review of contractor submittals to address progress updates as part of financing requirements of the project during construction and at project close out, if required.

### **5. Review of Contractors Applications for Payment**

The CAS team will perform review and verify the completed pay requests submitted monthly by the contractor based on observed and documented work completed and materials stored on-site during the pay period as well as supporting documentation submitted by the contractor as an attachment to the pay request.

### **6. Progress Meetings**

The CAS team will conduct, prepare agendas and minutes for bi-weekly construction progress meetings. The progress meeting agenda will include, but is not limited to, the following items; review of the previous minutes, project safety, Town and resident issues, permitting, construction schedule, submittals, RFIs, quality control issues, construction sequencing & phasing, MOT, change orders and payment applications.



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 4 - APPROACH TO PROJECT MANAGEMENT

### 7. Change Order Review and Assistance

The CAS team will review all submitted requests for work change directives and change orders and assist the Town Project Manager with the facilitation of the directive and/or change order. Services provided in this task include minor modifications to the design drawings and any plan reproduction required.

### 8. Construction Observations

The CAS team will provide part-time construction observation in our role as the Resident Project Representative (RPR) on-site during the Construction Phase. Tasks to be performed by the RPR will include: attendance at meetings or conferences and addressing Contractor's Request for Additional Information (RAI's), serving as the owner's liaison with the contractor, maintaining orderly files for communication, progress photos, submittals and reports, maintaining a daily log book of activities and review of completion certificates.

### 9. Substantial Completion

The Engineer of Record (EOR) and RPR will perform a joint inspection, with the Town Project Manager, of the work completed to determine if the requirements of the substantial completion have been met. Substantial completion shall include Stormwater pump station start-up and testing. The CAS team will generate the Substantial Completion Inspection Punch List that includes items to be addressed prior to Final Inspection.

### 10 Final Inspection and Acceptance

Services included under this task are the Final Inspection in coordination with the Town Project Manager for review of the completed project and verification that all items listed on the Substantial Completion Inspection Punch List have been satisfied. Upon review, the CAS team will provide written opinion to the Town and the financing authority that the Contractor has completed all work required as required under the contract documents. The CAS team shall also submit the certification documentation to the required permitting agencies as required.

### 11. Record Drawings

The CAS team will review the Record Drawings prepared by the contractor's professional surveyor, registered in the State of Florida upon the completion of construction. The record drawings will include post-construction project information such as operation manuals and identify any significant deviation from the approved project design.

### 12. Project Close Out

In conformance with contract documents, The CAS team will review, and deliver to the Town Project Manager, the required contract documentation to be submitted by the Contractor as listed under the construction agreement. In addition, The CAS team will provide one complete set of final shop drawing submittals and approved signed and sealed as-built drawings as prepared by the Contractor.

### 13. Final Payment and Release of Retainage

In Conformance with the contract documents, the CAS team will verify that:

- The contractor's accounts are in order; considering items such as original contract sum, additions and deductions (per Change Order Summary) and any changes or adjustments required of the Schedule of Values that have been accepted.
- Retainage amount is correct.
- Certificate of Final Completion has been issued.



## **Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# 4 - APPROACH TO PROJECT MANAGEMENT

- Final acceptance has been obtained from the permitting agencies.
- The Contractor has provided a Final Release in accordance with the contract.
- All required certificates of inspection and occupancy have been obtained from public authorities, utility companies, and other public agencies.
- Completed Record Drawings have been received and accepted by the Town.
- Notification of consent to surety, if any, to make Final Payment to Contractor.
- Amount of Liquidated Damages withheld (if applicable).
- Contractor's Warranty.

**Engineering Design and Inspection services shall be provided throughout the construction period of each project as required.**

The CAS Team has a knowledgeable and experienced construction management team which is important for keeping a construction project on schedule, realizing potential cost savings and minimizing construction impacts. The CAS Team has experienced staff to provide effective contract administration including cost estimating, schedule review, shop-drawing submittal review, processing of change orders and any other related construction management activities. The CAS Team will ensure key construction project elements are documented and updated regularly and that any issues are addressed efficiently. The CAS Team will ensure that the contractor is held accountable, abiding according to design documents and meeting all contractual obligations. CAS will submit monthly construction progress reports to the Town, which will include summary of work completed, critical issues requiring resolution in order to maintain project schedule, planned budget versus actual cost to-date, planned work schedule for the next month and identification of any upcoming conflicts or other critical items.

### **Quality Assurance/Quality Control:**

Quality control throughout the project duration is handled by means of a check and balance system and through the team's client relationships we form during the project providing continuous open, often face-to-face and honest lines of communication. CAS conducts weekly QA/QC meetings in-house every Monday to ensure the project remains on schedule and within budget. The CAS process will be methodical and timely in approach. The established goals identified in the project initiation will be implemented through the design phase of the project.

Members of the CAS Team will also meet regularly to establish consistent quality review framework.

- Quality Standards are fundamental to the success of the project. CAS prides itself on the consistent high quality of our output, whether it is project plans, specifications, design elements, comprehensive studies, survey, utility locates or grant writing.
- At CAS we are committed to achieving and maintaining the highest quality standards possible and ensuring the client's satisfaction. Refer to **Exhibit A - CAS Design Process Flow Chart** and **Exhibit B - CAS Construction Process Flow Chart** at the end of this section as an example of the typical process implemented.



### **Permitting:**



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 4 - APPROACH TO PROJECT MANAGEMENT

The CAS Team has over 40 years of experience and understanding of the regulations and statutes in South Florida as they pertain to water/wastewater utility, drainage and road projects and has successfully completed the permitting and construction of similar improvement projects for the City of Hollywood, City of Miramar, Broward County Parks and Recreation, City of Parkland and City of Coconut Creek, Town of Pembroke Park, City of Lauderhill, City of Pompano, Palm Beach County Water Utilities, City of Belle Glade, City of Lake Worth, Town of Golden Beach, Sunny Isles Beach, City of North Miami Beach, Bal Harbour Village, City of Oakland Park, City of Moore Haven, Glades County and Village of El Portal. We understand that permitting agency coordination which includes compliance with the necessary regulations and proper communication with agencies is an important aspect of all projects.

During the early stages of the design of a project, the CAS Team will coordinate with the different regulatory agencies by scheduling pre-application meetings to identify any “permitting challenges” that may impact the schedule and/or design of the project. A 100% Design Review meeting will be scheduled with Town staff for final comments and revisions prior to submitting to regulatory agencies for permitting. CAS Team’s experience and relationships with local regulatory agencies, such as FDEP, FDOT and Palm Beach Health Department combined with a proactive approach will ensure that each project is permitted in a timely manner and therefore advertised for bid on schedule.

### **Bidding Services:**

CAS staff shall provide answers to project specific questions (contractor RFIs) generated by bidders during the advertisement period. A thorough bid review will be conducted after bid opening to ensure the Town will retain a qualified contractor the project construction. The following item shall be evaluated:

- All Bid Documents are properly completed and submitted in completion by Bidder (Responsive Bid)
- Bidder is fully licensed and has a permanent location of business
- Bidder has sufficient bonding capacity to cover performance of work
- Bidder has sufficient construction staff and equipment
- Bidder will perform a certain percentage of work with his own forces
- Prime contractor is experienced in performing work
- Any subcontractor proposed are qualified in performing the assigned work
- Bidder meets all insurance requirements

### **Public Outreach:**

Residents and homeowners need to be informed, educated and updated at various phases of a project. Throughout these projects, there will be various levels of community interest in this project including its impacts on nearby residences, streets, drainage, emergency services, and anticipated construction schedules. The community will need assurances that projects shall be constructed in a manner that minimizes impacts to traffic and access to business and homes. Dealing with the difficult but most concerning public issues first, will garner and establish a workable trust/comfort level for all parties affected moving forward. In addition, addressing the more common inconveniences such as street closures, detours, construction activities and the like, will be much easier to manage.

For the determination of how we engage the public, the CAS Team will coordinate with local residents in receiving their comments, disclosing their issues and concerns. As a primary approach strategy, we envision the use of several community charettes to illustrate the extent of the project area and impact during construction to nearby residences. In addition, the benefits of community charettes when



## **Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# 4 – APPROACH TO PROJECT MANAGEMENT

conducted properly, present an opportunity for residence to actively participate in voicing their concerns.

There are additional outreach methods that may be employed to keep those directly and indirectly affected by these construction projects as on-line polling surveys like [surveymonkey.com](http://surveymonkey.com), diagram door-hanger notices, community meetings, Town website postings, water bill stuffers, Town Commission meeting announcements, public charrettes, social media outlets. These additional methods are also effective in providing notifications to residents and other stakeholders who cannot attend public meeting. Any one or a combination of the above mentioned methods will supplement the Community Charettes depending on duration of the project. Also, it is important to understand that project misinformation, rumors and bad information generated by the public can be resolved through the above-mentioned channels as well. Equally important are benefits of the project and they too can be conveyed through all the channels mentioned above.

The CAS team is confident that the above-described Community Outreach and Public Involvement Approach Strategy will be completely effective as it has in numerous other similar capital improvement projects completed by CAS and is amenable to flexibility, adjustments and modifications as deemed most suitable by the Town.

CAS team will consider the following public participation activities, as deemed appropriate:

1. Project newsletters
  - a. Pre-Construction
  - b. Provide Notification & Project Scheduling
2. Group public meetings and/or hearings (as required)
  - a. 60 percent design (site-specific issues)
3. Group briefings upon request
  - a. Town Commissioners and staff
  - b. Other local government officials
- c. Residents along affected near the project area
4. Project website
  - a. Develop new or revise project website
  - b. Update at significant project milestones
  - c. Maintain during construction to identify significant project milestone progress
5. Provide or coordinate with a Public Relations/Client Coordinator during the design and construction of the project to:
  - a. Contact and address any questions
  - b. Coordinate with residents regarding construction activities and temporary changes in ingress/egress
  - c. Generate automated email bulletins through the project website (if necessary)



### **Project Monitoring & Cost Estimating:**

In order to get the most accurate budget price at the pre-construction phase and the construction phase, The CAS Team details all design items into many small parts that will add up to one whole part (Bill of Materials). By doing this our cost estimates are very accurate. Our track record with cost estimates to bids has been within 5-10%. The CAS Team' philosophy utilizes a phased approach towards



## **Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# 4 – APPROACH TO PROJECT MANAGEMENT

assisting the Town in problem solving and for implementation of public works and planning projects. **“Schedule, Cost Control and Team Work”** - The CAS Team approach is to develop milestones and defined deliverables with the Town in order to meet the Town’s requirements. We will identify potential issues early in the project so necessary action can be taken to keep the project on schedule.

The CAS Team will provide the Town with the design schedule for each project for review and approval prior to commencement of design, including critical path items. CAS will review the design schedule with the Town staff on a monthly basis and verify that it is consistent with the requirements of the contract for design and bidding. Any changes to the schedule milestones or deadlines shall be approved by the Town. CAS will advise the Town of any areas where the schedule is not in compliance with the contract.

We continually update the cost of the project in order to stay on budget. If an issue develops with the schedule, cost or the budget, we advise the Town and develop a plan for corrective measures with the staff. We consider the Town and The CAS Team as one team, all striving for the same goal of a quality product on schedule and on or below budget. The CAS Team Technical Reviews shall be conducted throughout the project schedule by the Principal members of our firm as part of our commitment to quality engineering.

The CAS Team will prepare an opinion of probable construction cost in accordance with the American Association of Cost Engineering (AACE) at the following stages:

- 30% schematic design
- 60% design development
- 100% construction documents

This cost estimate will be prepared for guidance in project evaluation and implementation from the information available at the time the estimate is developed. The final costs of the project will depend on actual labor and material cost, competitive market conditions, final project scope, implementation schedule, and other variable conditions.

We propose to negotiate a total cost for projects upon selection and prior to contracting. **Our goal is to have no change orders.**

### **Ability to Meet Schedule:**

We pride ourselves on our ability to **tallor our services to meet our clients’ needs**. We are proud of our past history of successful design projects. This success is a result of our **highly experienced staff members** who have created a cohesive team ensuring projects are completed in a **timely and cost effective manner**. CAS is dedicated to execute the project schedule established at the beginning of the project. The CAS Team shall include a pre-construction conference to establish key project contacts with the Town, regulating agency and CAS. After this meeting a detailed construction project schedule will be established. This will be updated through the construction process as needed. Construction Management Team updates will be provided on a regular basis as requested by the Town and to all involved with the project. Status of each milestone identified at the pre-construction meeting will be provided on a monthly basis along with construction progress reports.

The CAS process will be a methodical and timely approach. CAS will assist in implementing goals established in the project scope during the construction phase of each project. Many utility capital



## **Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# **4 – APPROACH TO PROJECT MANAGEMENT**

improvement projects that CAS designs and manages are grant funded which have established completion dates no to exceed, thus CAS is accustomed to working on projects with strict deadlines.

## **CAS STAFF AVAILABILITY & ACCESSIBILITY**

CAS is committed to allocating all necessary staff and resources required for the timely completion of the project. The key to the success of the project will be frequent face-to-face communication between Town staff and the key staff of the CAS team at scheduled project meetings. All CAS staff assigned to each project will be available to attend scheduled project updates and construction progress meetings with the Contractor and Town staff in person or as deemed necessary for the successful completion of each project. CAS's corporate headquarters is only 20-25 minutes from the Town's administrative offices thus ensuring immediate response and direct availability of our staff. CAS shall commit management, survey, engineering, construction field inspectors and supporting staff to each assigned project to ensure accessibility and availability during the entire duration of each project. CAS will respond very quickly (usually within the hour, but no later than end of the business day) to any phone or email correspondence from Town staff. A minimum of 24-hour advance notice for pre-scheduling meetings with Town staff will be attainable.

## **PROJECT SCHEDULING**

Craig A. Smith & Associates proposes a comprehensive scheduling methodology that ensures the effective management and execution of water main replacement, sanitary sewer improvement, and drainage/roadway improvements and other ancillary projects within optimum timeframes. Our proposed scheduling methodology begins with detailed pre-planning. This involves scoping the project based on our clients' needs and the site constraints, followed by developing a realistic and achievable schedule, taking into account the various regulatory approvals and permit processes.

Next, we incorporate Work Breakdown Structure (WBS) practices to divide the project into manageable chunks, each with its separate timeline and resources. Through the utilization of advanced project management tools like Primavera P6 or Microsoft Project, CAS can maintain detailed schedules and continuously track project advancement.

Concurrent Engineering practices are employed to fast-track project timelines. This approach allows multiple design/construction activities to occur in parallel. For instance, while the water main replacement construction begins, construction of a sanitary sewer improvement can likewise progress. Critical path scheduling is used to identify tasks that directly impact the project timeline, ensuring these tasks are prioritized and managed effectively to prevent any delays, such ordering of certain construction materials and their associated long lead times associated with on-going supply chain issues.

To accommodate the inevitable uncertainties and unplanned issues that arise in any project, we incorporate risk management into our scheduling methodology. By identifying potential risks early, we deploy mitigation strategies to counteract their impact on the schedule.

Finally, communication is vital for our scheduling methodology. Regular status update meetings with the project stakeholders and immediate notification of any changes in schedule maintain transparency and trust with our clients. By applying this scheduling methodology, Craig A. Smith & Associates ensures that water main replacement, sanitary sewer improvements, and drainage/roadway improvements and any ancillary projects are carried out promptly, efficiently, and effectively, achieving customer satisfaction consistently.

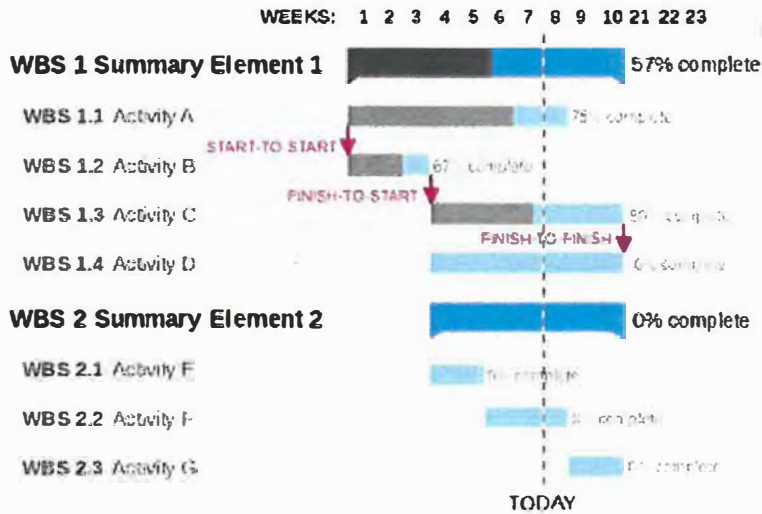


**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# 4 - APPROACH TO PROJECT MANAGEMENT

Typically, the awarded contractor will submit a Construction Schedule to Owner and Construction Manager in an industry standard format such as a Gantt Chart. See below example below.

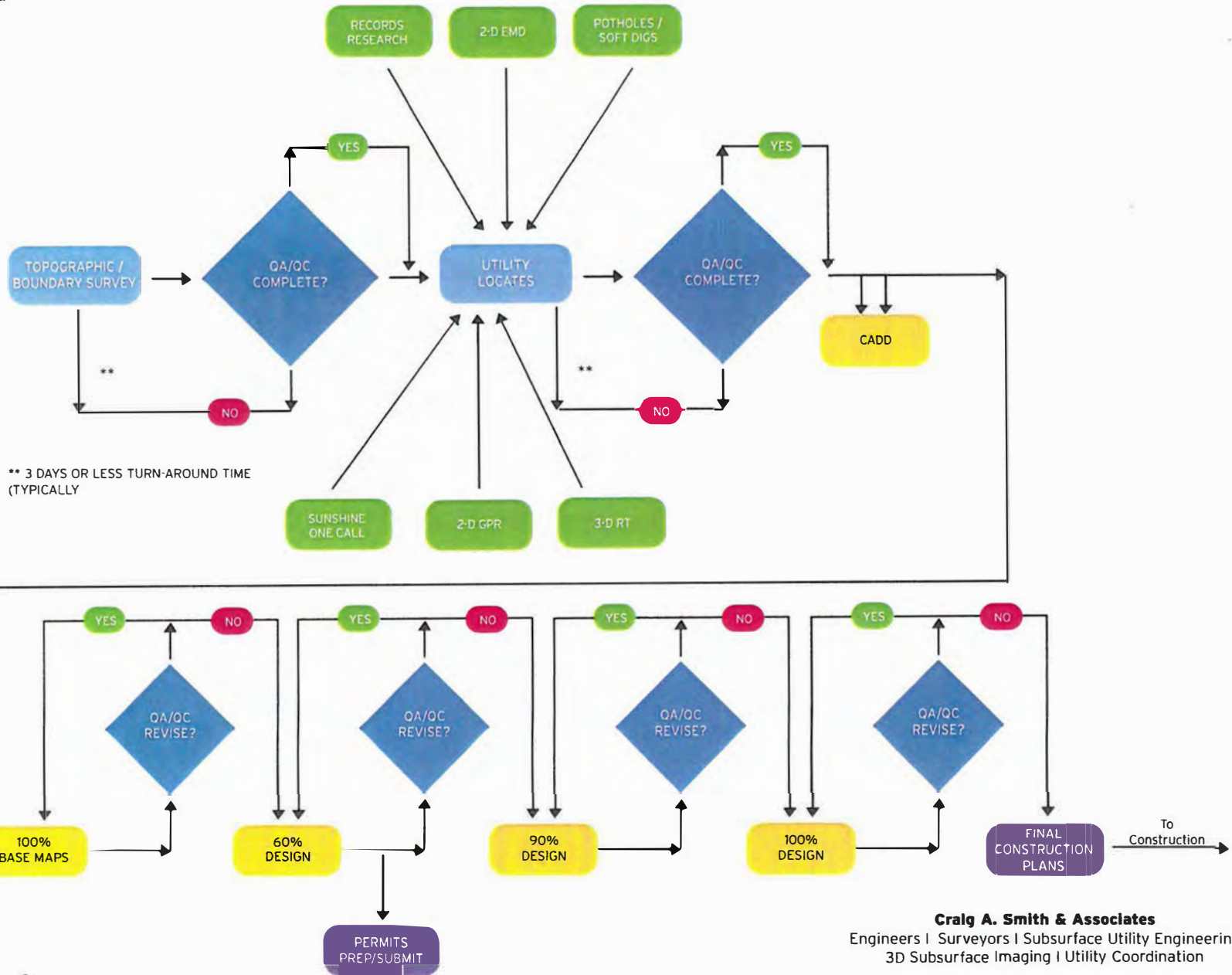


The Owner and Construction Manager will review the Gantt Chart/schedule for compliance to the contract requirements and the needs of the Owner. If the proposed schedule does not meet the Owners Contract or desired timeline the schedule may be negotiated with the contractor until all parties agree to the construction schedule. Once the Schedule is approved by the Owner and Construction Manager, construction will begin. The schedule shall be continuously monitored by the Construction Manager throughout the duration of the project. Gantt Charts or Construction Schedules will be submitted by the contractor every month or attached with every pay application. These Schedules shall be reviewed for approval by the Owner and Construction Manager, if schedule changes are required change orders may be issued. This process shall continue throughout the project to Substantial Completion. Once the project has reached Substantial Completion, which may be dependent upon the methodology of the contracts, the owner may withhold final payment until the contractor completes construction and Final Completion documents are issued with final payments.

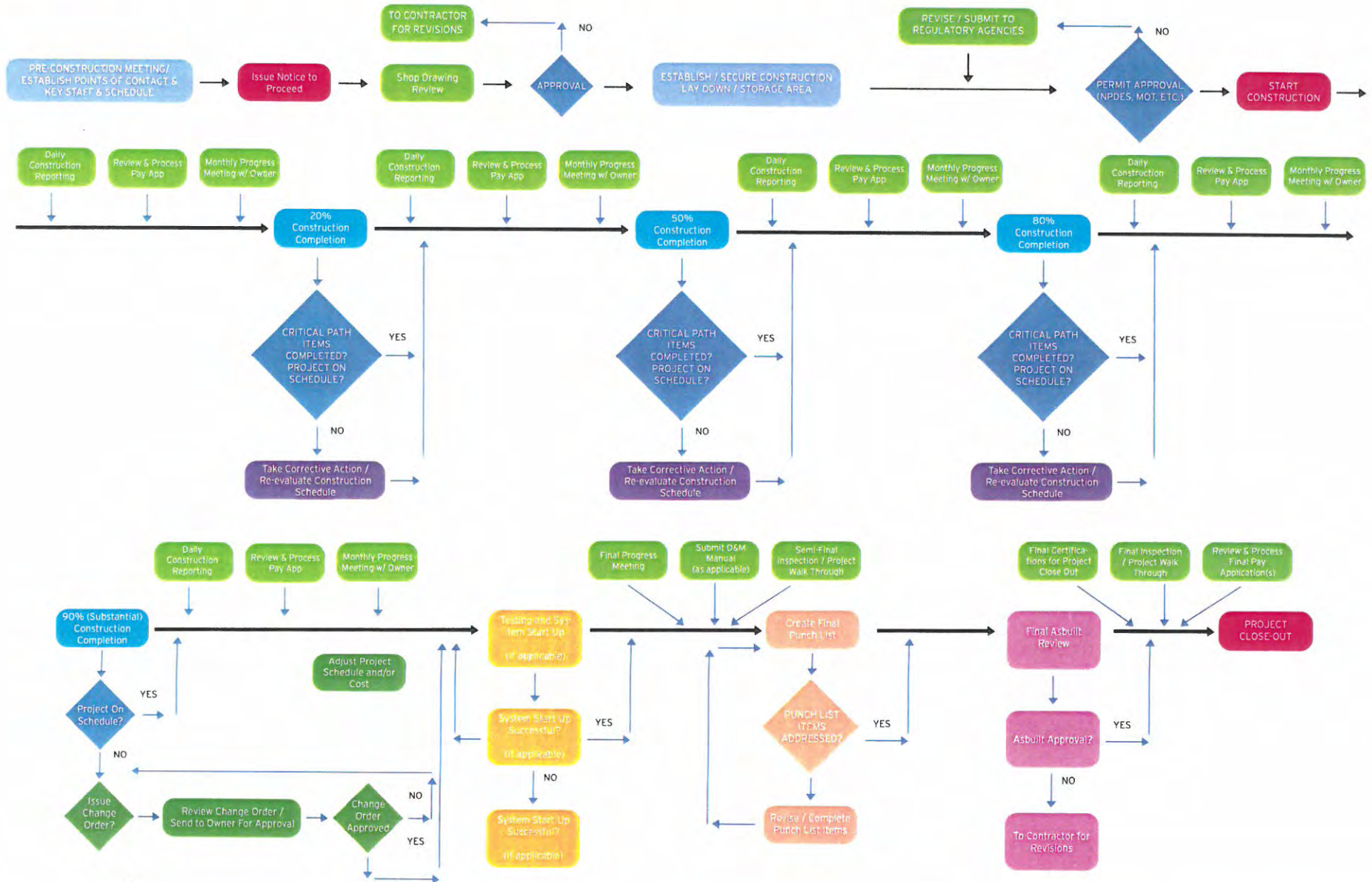
A detailed project scheduling will be developed upon review of construction plans, technical specifications, bid schedule, other bid documents and project site investigation. Final scheduling and change orders will strongly be dependent upon the quality of the construction plans and experience and qualifications of the awarded contractor.



# PROCESS FLOW CHART



# CAS CONSTRUCTION MANAGEMENT FLOW CHART



## **5 – Resources, Availability, and Commitment (20 points)**



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 5- RESOURCES, AVAILABILITY AND COMMITMENT

CAS has proudly served the South Florida community for **over 43 years**, offering unparalleled expertise and a robust portfolio of **successfully completed projects**. Our firm's deep roots in the area underscore our **commitment to the stability and economic vitality of the communities we serve**, including the Town of Highland Beach.

Our **dedication to excellence** is reflected in our **unwavering commitment** to delivering projects that meet time and budget constraints. This fundamental principle is woven into the fabric of our operational methodology. We have consistently **demonstrated flexibility and attentiveness** to the unique needs of each town, city or county we partner with, ensuring that our clients' objectives are met with the highest standard of service.

CAS maintains a policy of **transparency and accountability**, which is why we openly list all projects currently under our stewardship. This list is readily available to municipal partners and provides a clear view of our workload and resource allocation. We are fully prepared to add the Town of Highland Beach to our distinguished client portfolio without compromising our dedication to responsiveness and availability.

Our firm is structured to **maximize efficiency**, comprising teams of specialized personnel adept in managing multiple concurrent projects without sacrificing quality. We have a strong workforce of 43 employees, a number that reflects our capacity for taking on additional projects while maintaining individualized attention to each client.

In terms of available resources and support, we utilize the **latest industry-standard technology** and project management tools, streamlining our processes and communication to ensure that projects progress smoothly. This technology also enables us to provide **real-time updates** and **maintain open lines of communication with our clients**, a testament to our firm's commitment to responsiveness.

Our financial stability, corroborated by more than **four decades in the industry**, allows us to possess the necessary working capital to see projects through to completion. This financial robustness also ensures that we are well-equipped to meet the budget and time requirements for the Town of Highland Beach's projects.

At CAS we underscore the value of **resources, availability, and commitment** to meet and exceed the expectations of the Town of Highland Beach. Our assurance is two-fold: we not only have the resources in terms of personnel, technology, and capital to dedicate to your projects, but we also have the systems and processes in place to assure continual availability and steadfast commitment.

Our resource pool is comprehensive, including a **multidisciplinary team** of experts capable of adapting to the dynamic requirements of any project. With a staff deeply experienced in the logistical and operational complexities specific to the South Florida region, our personnel allocation strategy ensures that each project receives a **tailored team designed to meet its unique challenges effectively and efficiently**.

Availability, a critical aspect of our client relationships, is a cornerstone of our firm's reputation. We maintain a high level of proactive communication to ensure that all stakeholders are informed and engaged throughout the project lifecycle. **Our commitment to the Town of Highland Beach is unwavering – your priorities become our priorities, and your deadlines drive our action plans**. We adapt our schedules to accommodate new projects swiftly, and our adept project managers excel at integrating new endeavors into the existing workflow seamlessly.



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 5- RESOURCES, AVAILABILITY AND COMMITMENT

Our long-standing **stability in the market** enables us to hold **steadfast in our commitments, fulfilling promises and delivering results that establish trust and foster long-term partnerships**. When CAS takes on a project, our commitment is absolute: the resources and strategies to bring the project to successful completion are firmly in place, bolstered by an unremitting resolve to stay **accessible to our clients** at every turn.

CAS is not just a service provider but a **longstanding stakeholder in the prosperity of South Florida**. Our promise to the Town of Highland Beach is a **partnership built on trust, outstanding service**, and the committed utilization of all necessary resources to achieve the town's goals. We look forward to the prospect of working together to meet the goals of the Town of Highland Beach.



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# CURRENT WORKLOAD

## WORKLOAD

CAS is currently reaching completion on many projects as per the current work listing below and is available to accept new projects. Listed below is a chart showing current workload with percentage of completion.

CLIENT	PROJECT	PERCENTAGE COMPLETE	
		DESIGN	CONSTRUCTION
City of Belle Glade	2023 SCOP Resurfacing Projects – Funding Assistance Applications (13 streets)	0%	0%
City of Belle Glade	Basin D Stormwater Project	5%	N/A
City of Belle Glade	SW Area D SURVEY	60%	N/A
City of Belle Glade	Civic Center SURVEY	60%	N/A
City of Belle Glade	3 <sup>rd</sup> Street Drainage Improvements – Phase II	80%	0%
City of Boca Raton	Water Treatment Plant Building No. 11 Rehabilitation – Survey & SUE	95%	N/A
City of Boca Raton	Wastewater Treatment Plant Aeration Basin Improvements – Survey & SUE	85%	N/A
City of Hallandale Beach	NE 7 <sup>th</sup> Force Main Improvements	30%	0%
City of Hallandale Beach	Wastewater Triplex Lift Station	100%	2%
City of Hallandale Beach	Layne Boulevard Sewer Force Main Improvements	20%	0%
City of Hallandale Beach	Lift Station No. 7	0%	0%
City of Sunny Isles Beach	Center Island Area Pump Station & Drainage Improvements	100%	0%
Town of Pembroke Park	Lift Station No. 17	30%	0%
Town of Pembroke Park	Sanitary Sewer Master Plan	80%	N/A
Town of Pembroke Park	Lift Station No. 14	20%	0%
Town of Pembroke Park	SW 25th Street Stormwater Improvements	95%	0%
Town of Pembroke Park	Lift Station No. 19	20%	0%
Hardee County	Torry Preserve	50%	0%
Hardee County	Pioneer Park	0%	0%
Hardee County	Wauchula Phase 8	75%	0%
Hardee County	Torry Preserve	90%	
Hardee County	Wauchula Hills Phase 7.0 – Residential Water Main & Gravity Sewer Extension	100%	0%
City of Moore Haven	Downtown Redevelopment Roadway & Stormwater Improvements	100%	1%
City-County Public Works Authority – Glades County	U.S. 27 Corridor Sewer Force Main & Wastewater Lift Station Project	100%	1%
City-County Public Works Authority – Glades County	Gravity Sewer, Lift Station & Force Main Improvements - Phase 5A	100%	100%
City-County Public Works Authority – Glades County	Wastewater Treatment Plant 5-Year Operating Permit Renewal	25%	N/A
City of Margate	Lift Station #7 Conversion/Rehabilitation	100%	99%
City of Margate	Replace Existing WWTP Triplex Lift Station & Dumping Station	100%	TBD
City of Margate	Lift Station #20 Conversion/Rehabilitation	100%	TBD
City of N. Miami Beach	Snake Creek Canal Pedestrian Promenade – Survey & SUE	0%	N/A



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# CURRENT WORKLOAD

City of Okeechobee	Okeechobee Commerce Master Plan	20%	N/A
South Florida Water Management District	Okeechobee County El Rio Stormwater Treatment Area - Survey	10%	N/A
City of Oakland Park	S-36 Pedestrian Access	98%	0%
City of Oakland Park	NE 11 <sup>th</sup> Street Streetscape	98%	0%
Spring Lake Improvement District	WTP No.1 Electrical & Emergency Generator Upgrades	100%	20%
Spring Lake Improvement District	WTP No.2 Improvements	100%	20%
Sunshine Water Control District	Stormwater Pump Station - Electrical Repairs	100%	95%
Sunshine Water Control District	West Outfall Canal Widening – Phase 2B	100%	100%
Sunshine Water Control District	NW 123 <sup>rd</sup> Ave Drainage System Analysis	25%	0%
CivilSurv	Okeechobee County Flood Modeling and Project Plan	30%	N/A
Sunny Isles Beach	Center Island Stormwater Pump Station	100%	0%
Village of El Portal	NW 2 <sup>nd</sup> Avenue Traffic Calming Design	90%	0%
Craven Thompson	City of Fort Lauderdale GIS Mapping	95%	N/a
SCI / Fairways	Fairway Memorial Gardens Cemetery (Survey) Services	Ongoing	
AECOM	City of Hallandale Beach Layne Blvd Survey Services	100%	N/A
Boca Raton Christian School	Stormwater Evaluation Engineering and Survey	70%	N/A
CDM Smith	Riviera WTP Survey	0%	N/A
Stantec	El Rio Trail Survey	0%	N/A
TCP of Boca	Drainage Evaluation	10%	N/A
City of Sebring	Water Tower Demolition	90%	1%
Miccosukee Tribe	Hydrant Installation	80%	0%



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## FIRM OVERVIEW

**Craig A. Smith and Associates (CAS)** is a Florida firm licensed for the practice of professional engineering, surveying, utility locates and construction management services. CAS has offices in Palm Beach County, Miami-Dade County and Broward County. **All work orders/assignments will be primarily completed by CAS staff from the Deerfield Beach office.**

### **Palm Beach County Office:**

4152 W. Blue Heron Blvd, Suite 1116  
Riviera Beach, FL 33404  
(561) 314 4445

### **Broward County Office:**

1425 E. Newport Center Drive  
Deerfield Beach, Florida 33442  
(954) 782-8222



**CAS was established in 1980.** Since then, the firm expanded from its original, technical orientation in municipal engineering and surveying into a full-service civil engineering practice with specialized expertise in engineering, surveying & mapping, grants/loan assistance, construction management, utility locates and CAD design & development.

**FIRM SIZE** - CAS's professional, technical and administrative personnel numbering approximately 47+ people, represent professionals in the fields of civil engineering, water and wastewater engineering, storm water engineering, surveying, mechanical engineering, construction engineering, grant specialists, utility locating, computer sciences, and finance. More

- Civil Engineering
- CADD (Computer -Aided Design & Drafting)
- Construction Management

specifically, CAS staff members consist of registered professional engineers, surveyors, ADDA certified drafters, GIS specialists and the balance of staff including additional technical CADD drafting personnel, certified field inspectors and utility locators; as well as competent administrative, clerical and accounting personnel, to provide you with the expertise required to perform the duties requested under this contract.

**ORGANIZATION** - CAS is organized into five technical operating divisions each under the supervision of a Vice President or Director. These operating divisions are:

- Surveying
- Subsurface Utility Locates





## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

**FIRM PHILOSOPHY & EXPERIENCE** - CAS is committed to providing its clients with cost-effective, timely, comprehensive, high-quality professional services in the practice of civil engineering, surveying, construction management, utility locating and grant/legislative services. This commitment to excellence is achieved through the development of a team spirit of service to clients. CAS has extensive local South Florida experience in engineering design and construction management spanning over 40 years.

Our success can be exhibited by our tenure with our clients, many of which we have served for over 20 years. We put premium value on the opinions and input of the end users of our services, officials, staff and residents and strive to produce an end product that addresses their needs and expectations. CAS is committed to making clients successful by understanding their organization, methods of operation, challenges and achieving their objectives through a multi-discipline approach based on experience, innovation and teamwork. We pride ourselves in establishing long-term relationships with our clients by providing them with the ultimate in successful consulting engineering services. We believe in providing clear and concise face-to-face communication with clients. And any communication via phone, fax, email or other method shall be provided clearly and concisely. Response time to a client's request is usually within the hour if not by the close of the business day. CAS also strives to adopt platforms or software programs that clients require or utilize for project management in order to increase efficiency and flow of work.

**CLIENTS** - Our more than 40 years of experience gives us the perspective to provide services for large municipal projects (over \$200,000) as well as smaller projects (under \$200,000). More specifically, design and construction administration/management of water mains, stormwater and wastewater force mains, sanitary sewer gravity lines, inflow and infiltration studies/repairs, wastewater pump station rehabilitation, pump sizing/expansion improvements, water treatment plant design/processes including expansions and improvements, regulatory compliance, drainage outfalls, roadway design, stormwater management, swale, sidewalk and

## FIRM OVERVIEW

drainage improvements and other related services such as hydraulic modeling, master planning, permitting, bidding assistance, surveying and subsurface utility engineering (SUE), grant assistance, technical studies or reports as required. CAS has successfully completed countless utility and drainage/roadway improvement projects during its 40 year history and most recently completed projects for the City of Belle Glade, Indian Trail Improvement District, Sunshine Water Control District, City of Sunny Isles, Glades County, City of Miami Beach, Town of Golden Beach, City of Pompano Beach, City of Oakland Park and the Town of Pembroke Park. In addition, recent projects which included water main and waste water conveyance/ collection system improvements were completed for the following clients: Town of Pembroke Park, Bal Harbour Village, Moore Haven/Glades CCPWA Utility Authority, Town of Golden Beach, Hardee County, Village of El Portal, City of Lauderhill, City of Pompano Beach. CAS has provided professional engineering services as it relates to utility and infrastructure projects for the following municipalities:

- Town of Pembroke Park (since 1987)
- City of Margate (since 1988)
- Bal Harbour Village (1989-2017)
- Glades County (since 1993)
- CCPWA Utility Authority (since 1994)
- City of Moore Haven (since 1995)
- Town of Golden Beach (since 2000)
- City of Sweetwater (since 2000)
- Hardee County (since 2000)
- Spring Lake Improvement District (since 2001)
- Village of El Portal (since 2003)
- City of Oakland Park (since 2004)
- City of Lauderhill (since 2013)
- City of Sunny Isles Beach (since 2013)
- City of Pompano Beach (since 2015)
- Sunshine Water Control District (since 2015)
- City of Lake Worth Beach (since 2018)
- City of Hallandale Beach (since 2020)
- City of Deerfield Beach (since 2020)
- Town of Davie (since 2020)
- Hamal CDD (since 2021)
- Coquina Water Control District (since 2022)



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## FIRM OVERVIEW

**CIVIL ENGINEERING** - CAS provides clients with a full range of engineering consulting services. Our engineers and trained specialists have extensive experience in assisting municipalities and utility departments with daily engineering needs such as planning, design, permitting and construction of cost-efficient operational utility systems. CAS engineering consulting services include:

- Storm Water Management
- Storm Water Utilities
- Water Treatment & Distribution Systems
- Wastewater Collection/Transmission & Treatment
- Potable Water Treatment Systems
- Wastewater Pump Station Design
- Stormwater Pump Station Design
- Canal Dredging and Sediment Removal
- Surface Water Management
- Utility Permitting
- Water/Wastewater Treatment Plant Design/Rehabilitation
- Utility Pipeline Design & Relocation (Water, Wastewater & Reclaimed Water)
- Utility Master Planning
- Grant Funding Assistance
- Facility Planning
- Solid Waste Studies
- Solid Waste Disposal and Leachate Treatment
- Development Permitting
- Feasibility Studies
- Inflow & Infiltration Studies
- Construction Cost Estimating
- Construction Management
- Construction Observation and Certification
- Contract Administration
- Effluent Reuse & Disposal
- Sludge Treatment & Disposal
- Roadway & Drainage Design





# Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# FIRM OVERVIEW



**SURVEYING** - CAS is one of South Florida most tenured and respected surveying firms providing complete land surveying services. Our surveying staff is comprised of licensed land surveyors who adhere to strict standards and give special attention to accuracy and detail. CAS utilizes the most up to-date electronic survey equipment such as Topcon and Trimble SC Robotic Total Stations, Trimble 5800 RTK

Base/Rovers, Leica P 30 Laser Scanners, Recon 400 TDS, TSCE 2 and Ranger 500X Data Collectors along with Topcon ATC Levels and tablets. In addition, our survey crews have been trained based on engineering principles and implement daily quality control measures ensure that our clients receive the highest quality service and most accurate basemaps. CAS surveying services include:

- Mapping & Platting
- Boundary & Acreage Surveys
- Land Description Preparation
- Construction Surveys
- Subdivision Designs & Calculation
- GPS Mapping
- Route Surveys
- Canal Cross-Sections

- Parcel Description & Sketches
- Condemnation Surveys
- Highway Construction Surveys
- Quantity Surveys
- Accident Surveys
- As-Built Certifications
- Mean High Water Surveys
- Drone Aerial Imagery and Surveys

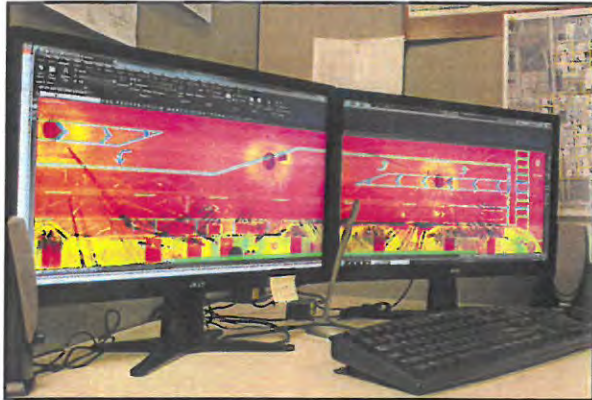
CAS' "in-house" surveying capabilities eliminates the need for an additional subconsultant for this service and thus allows for more cost-effective and faster response to revisions or modifications to basemaps or scope of work as required for the duration of a project.



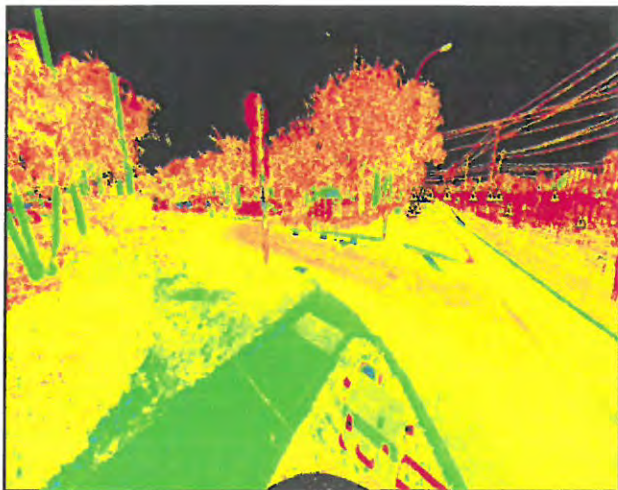


## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination



**CADD (COMPUTER-AIDED DESIGN & DRAFTING)** - CAS employs on-staff Florida Certified American Design & Drafting Association CADD operators and Autodesk Certified professionals. Our CADD technicians prepare detailed drawings, layouts, exhibits, topographical maps, and graphic representations of survey information & engineering designs. Designs relate to engineering projects such as water, sewer, reclaimed water, paving and drainage systems. Craig A. Smith & Associates prides itself on keeping its workforce educated and equipped to handle today's most challenging and rewarding tasks. CAS is utilizing the latest AutoCAD software (Civil3D), custom-built AutoCAD systems and functions, as well as some industry-first hardware including 3D laser scanning



## FIRM OVERVIEW



technologies. In summation, the CADD systems CAS uses are:

- AutoCAD
- Autodesk Civil 3D
- Autodesk Map 3D
- Navisworks

**Clients benefit from CAS' experienced CADD staff who work closely with project managers and client staff on assigned utility projects and provide any technical support to client staff related to Autodesk Civil & Map 3D use.**





## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination



**SUE (SUBSURFACE UTILITY ENGINEERING)** - CAS provides complete subsurface utility engineering and location services utilizing the latest in electronic verification, ground penetrating radar, vacuum excavation and GPS survey equipment. CAS can provide utility location information in various formats from simplistic 2D (two dimensional) to comprehensive 3D (three dimensional) Radar Tomography coupled with advanced software platforms (AutoCAD Civil 3D). CAS performs subsurface utility engineering providing utility mapping, electromagnetic designating (EMD), 2D radar designating/ground penetrating radar (GPR), 3D radar tomography (RT), vacuum soft digs, and conventional and GPS utility surveys. CAS also

## FIRM OVERVIEW



provides utility coordination services, interfacing with utility owner/operators on behalf of engineers, planners and project designers. CAS provides comprehensive utility locating services for projects during the design phase and also during construction as needed. **CAS' extensive SUE experience coupled with its EMD, 2D GPR and unique 3D RT capabilities will provide you with accurate and comprehensive utility locates for complete survey basemaps irregardless of quality of existing record drawings and thus superior engineering design for your utility projects. This will translate also to time saving and minimization of change orders during construction by eliminating "unforeseen" field conditions.**





## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## FIRM OVERVIEW



**CONSTRUCTION MANAGEMENT** - The CAS construction management team has a combined total experience of nearly 80 years. CAS field representatives are qualified to perform a full-service program, assuring total monitoring on-site to protect the client's interest on their projects. The CAS construction management team will keep the client informed of all facets of construction including, but not limited to, weekly progress notices, advice on any change orders and monthly monitoring of project finances. The construction management team of professionals provides extra attention to detail to ensure that all projects are built to specifications and are fully operational to meet the needs of our client. CAS also has extensive experience in managing the required documents for state or federal grant funded projects. CAS construction management services include:

- Value Engineering
- Design Document Review

- Contract Administration
- Contract Documents
- Construction Management
- Construction Document Management for Grant Funded Projects
- Construction Engineering & Inspection
- Cost & Payment Verification
- Bidding Coordination
- Contract Negotiation
- Residential/Commercial/Municipal Project Observations
- Inspections

We are currently providing construction inspection services for: City of Hallandale Beach, City of Margate, Sunshine Water Control District, Town of Golden Beach, City of Belle Glade, City of Lauderhill, Hardee County, City of Pompano Beach, Town of Pembroke Park, and City of Sunny Isles Beach.





## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

**GRANT ASSISTANCE EXPERIENCE** - Since the early 1990's CAS has assisted its clients with securing grant funding and financing for multiple infrastructure projects. We have assisted our clients (municipalities, counties, special districts and utility authorities) in obtaining grants and/or loans through multiple funding sources such as: USDA, SRF, FEMA (HMGP), State Legislative Appropriations, SFWMD Cooperative Agreement Program, EPA 319 Program, CDBG, etc.

CAS assists its clients with the preparation of grant applications, supporting documents, such as preliminary engineering reports, environmental assessments, preliminary designs, project scope development, cost estimating, present worth cost analysis, cost benefit analysis, project beneficial use, etc.

CAS continually provides many of these services to its clients annually for state appropriation requests or during grant funding cycles. CAS provides grant evaluation for competitive grants requiring scoring and consultation with respect to the need for phasing of projects to achieve a high success rate from funding institutions.

CAS is continually involved with infrastructure funding assistance and has a **high success rate** in securing funding. We understand the nuances of "grantsmanship." CAS is committed to providing these services to all of its clients, with an estimated 70-80% of our on-going projects being funded through our assistance. CAS is also aware of the deadlines required in achieving these grants/loans and delivers grant assistance services on time.

Some of the capital improvement projects for which CAS has acquired granting funding (indicating dollar amount secured and funding source) are:

## FIRM OVERVIEW

- **Spring Lake Improvement District (SLID):** Design & Construction of a 70 Acres Stormwater Treatment Area (STA) - \$1,666,000 (25% SRF / 75% FDEP 319 Funded)
- **Spring Lake Improvement District (SLID):** Design and Construction of an 80,000 GPD Wastewater Treatment Plant - \$3,300,000 (SRF Funded)
- **City of Moore Haven:** Design and Construction of a 500,000 GPD ultrafiltration (Zenon) system to expand an existing 750,000 GPD Lime Softening Water Treatment Plant - \$3,663,800 (USDA Funded)
- **Town of Pembroke Park:** Wastewater Master Plan for the rehabilitation of 22 Wastewater Lift Stations - \$100,000 (FDEP Legislative Funded)
- **City of South Bay:** Water Treatment Plant and Water Distribution Improvements - \$1,200,000 (USDA Funded)
- **Port Labelle:** Design and Construction of a 900,000 GPD Reverse Osmosis Water Treatment Plant (ROWTP) - \$5,500,000 (USDA Funded)
- **City-County Public Works Authority (Glades County):** Gravity Sewer Expansion and Lift Station No. 5 Installation - \$620,000 (State Legislative Appropriation)
- **City-County Public Works Authority (Glades County):** Gravity Sewer Expansion N, O, S Avenue and 4<sup>th</sup> Street - \$900,000 (State Legislative Appropriation)
- **City-County Public Works Authority (Glades County):** Gravity Sewer and Lift Station Improvements Avenue L, M, N & 4<sup>th</sup> Street - \$1,340,000 (State Legislative Appropriation)
- **Hardee County:** Wauchula Hills Wastewater Service Area Expansion - Phase II - \$1,300,000 (FDEP Legislative Funded)



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

A major portion of CAS projects involve grant funding. Grant funded projects are restricted to finite budgeted amounts for both professional and construction dollars. Grant projects also have strict schedules that must be met. If these parameters are not met, the grant funds would be lost. Our grant funded project experience demonstrates our staff's expertise in meeting budgets and schedules.

**WATER & SEWER STUDIES/MASTER PLANNING** - CAS has extensive experience in providing technical engineering studies for existing utility systems and developing comprehensive utility master plans for municipal clients, providing condition assessment, hydraulic modeling, life-cycle analysis, identifying system components for replacement/rehabilitation, prioritizing projects based on level of criticality/level of service and providing cost estimating for budgeting purposes. Below are some examples of completed and/or on-going projects with associated completion dates and costs:

- **Indian Trail Improvement District:** Comprehensive Water & Sewer Master Plan (Completed 2004) - \$183,480
- **City of North Miami Beach:** Water Distribution Analysis (Completed 2004) - \$50,000
- **Town of Pembroke Park:** Sanitary Sewer Master Plan (Completed 2000) - \$155,000
- **Bal Harbour Village:** Comprehensive Water & Sewer Master Plan (Completed 2015) - \$136,675
- **Village of El Portal:** Sanitary Sewer Master Plan (Completed 2017) - \$75,000
- **City of Pompano Beach:** Non-Sewer Area C Sanitary Sewer Study (Completed 2019) - \$44,540
- **Town of Pembroke Park:** Sanitary Sewer Master Plan Update (On-Going) - \$372,490

**UNMANNED AERIAL VEHICLE OR DRONE** - Unmanned Aerial Vehicles (UAV's) are now being employed by CAS as another tool which can be utilized to enhance or even eliminate the need for certain field exercises. Some of the uses the UAV is most suitable for are as follows: Site inventory in which the UAV is deployed over a site that is under construction, to determine monthly construction progress easily and accurately. It

## FIRM OVERVIEW



data collection, aerial imagery capture and monitoring of construction project progress. The images obtained by the UAV display clear and accurate detail of current conditions at project sites. Applications are ideal for the following:

- Hard-to-Access Areas (Water/Sewer Treatment Plant Facility Inspections, Confined Space Assessments)
- Site-Specific Aerial Mapping
- Utility Corridor Survey
- Supplemental Topographic Survey
- Environmental Data Collection
- High Resolution Images and Video







**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

**5-CAS TEAM EXPERTISE -  
SUBCONSULTANTS**

**CAS TEAM (SUBCONSULTANT) EXPERIENCE & QUALIFICATIONS**

Craig A. Smith & Associates, coupled with our seasoned subconsultants, bring an intimate understanding of South Florida's multifaceted engineering projects. Our track record is impressive, with a portfolio brimming with diverse undertakings that we've not just completed but aced together.

The collaboration between our team and our partner subconsultants is less about formality and more about the natural flow of working with people who get it. We've been around the block together, tackling everything from complex utility systems to laying down the groundwork for future communities. Each project feels less like a new challenge and more like a familiar routine, thanks to the rapport we've built and the communication tactics we've nailed down.

We've struck a perfect balance – professional, yet personable – the kind that comes when respect and reliability are the basis of a partnership. This isn't simply about hitting benchmarks; it's about a shared commitment to excellence and a mutual understanding that we've got each other's backs.

Opting for Craig A. Smith & Associates means getting a cohesive team and longstanding subconsultant relationships. You're not just hiring expertise; you're ensuring a seamless project flow that's bolstered by experience and enriched by collaboration.

**The CAS Team is an experienced team having worked together to successfully complete numerous municipal utility and infrastructure capital improvement projects throughout South Florida. The CAS Team will include the following subconsultants.**



Smith Engineering Consultants, Inc. (SEC) is a multi-disciplined consulting engineering firm specializing in electrical, instrumentation and SCADA system designs for Water/Wastewater, Stormwater and lighting projects. SEC has a niche for providing

professional services on such civil engineering projects. Their experienced staff have in-depth knowledge of energy, water, telecommunications, transportation and architectural projects. Their cost-effective and energy efficient designs provide facility owners with security in the knowledge that their operating expenses are among the lowest in the area. Whether a client's project calls for new construction or the renovation of aging facilities, their staff can provide planning and design services, cost estimates, and construction phase services. SEC has built a deserved reputation for completing assignments in a cost-effective and timely manner. You can count on SEC to provide the detailed plans and specifications necessary for smooth construction, start-up, and operation. They interface with design engineers from complementary disciplines during the design process to review design principles and to assist in the preparation of design drawings and specifications for specific project needs. The firm will be providing all electrical engineering work related to lift and pump stations, street lighting and other facilities necessary to complete projects under this contract. **SEC recently provided electrical engineering services for CAS which included site lighting and electrical plans for 2 multi-purpose fields, an amphitheater and associated parking lot for the Acreage Community Park South Expansion project, electrical and control panel upgrades for Sun-N-Lake Improvement District's Mantanzas Wastewater Lift Station and Glades County's Washington Park Wastewater Lift Station.** Below is a list of municipal clients in the Tri-County area that Smith Engineering Consultants where provided electrical engineering services for utility and infrastructure projects.

- City of Atlantis
- City of Homestead
- City of Boca Raton



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 5-CAS TEAM EXPERTISE - SUBCONSULTANTS

City of Pompano Beach  
 City of Delray Beach  
 Town of Jupiter  
 Town of Manalapan  
 City of Lake Worth Beach  
 Northern Palm Beach County Improvement District  
 Palm Beach County Solid Waste Authority  
 Indian Trail Improvement District  
 Town of Palm Beach  
 Palm Beach County  
 City of West Palm Beach  
 Village of Royal Palm Beach  
 Village of Wellington  
 Broward County Aviation Department  
 City of Ft. Lauderdale  
 City of Boynton Beach  
 City of Hallandale Beach  
 City of Doral  
 City of Belle Glade  
 Beeline Community Development District  
 Town of Lantana  
 City of Palm Beach Gardens  
 City of Sunrise  
 City of Fort Lauderdale  
 City of Miami Beach  
 Lake Worth Drainage District  
 Florida Department of Transportation  
 South Florida Water Management District



Below is a sample list of successfully completed water, wastewater and stormwater related projects:

### Palm Beach County

WTP No. 8 Wellfield Cable Replacement  
 WTP No. 8 UPS Installation  
 CROC Generator to SCADA Connection  
 PS 5229 Arc Flash & Condition Assessment  
 PS's 9S, 9N, & 5 Arc Flash & Condition Assessment  
 PS's 4100, 5241, & Mecca Arc Flash & Condition Assessment  
 SRWRF Biogas Generators  
 Pahokee WWTP Arc Flash & Condition Assessment  
 Belle Glade WWTP Arc Flash & Condition Assessment  
 WTP No. 8 Arc Flash & Condition Assessment  
 SRWRF PLC Programming  
 Belle Glade WWTP PLC Programming  
 2016 Telemetry Information Management System (TIMS) Lift Station Upgrades, Design and Construction Phase Services  
 2017 Telemetry Information Management System (TIMS) Improvements, Design and Construction Phase Services  
 WUD Electrical Safety Plan  
 SRWRF PLC Programming





## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 5-CAS TEAM EXPERTISE - SUBCONSULTANTS

SRWRF Electrical Master Plan  
Belle Glade and Pahokee WWTP Electrical Switchgear Assessment  
Morikami SCADA Tower Design and Construction Phase Services  
Miscellaneous Services (Morikami Park Pump Station, Other smaller projects)

### City of West Palm Beach

Lift Station No. 5 Electrical Service Relocation  
Lift Station No. 75 Improvements  
Lift Station No. 4, 7, and 153 Improvements  
Lift Station No. 74 Improvements  
Lift Station No. 44 Improvements  
Renaissance Project Stormwater Treatment and Pump Station  
Water Treatment Plant Generator Replacement



### Town of Jupiter

R.O Well No. 12 Acid Spill Report  
N. Central Pump Station VFD's  
WTP High Service Pumps Replacement  
WTP Wells Installation  
WTP Transfer Pump Installation

### Town of Palm Beach

Wastewater Flow Meter Installation  
Stormwater Pump Stations D-6 & D-7  
Stormwater Pump Station D-10  
Stormwater Pump Station D-9  
El Brillo and Jungle Road Lift Station Generators

### Village of Wellington

Stormwater Pump Stations 3, 6, & 7 VFD Installations  
Stormwater Pump Stations 4 & 8 VFD Installations  
Binks Forest Lift Station  
Water Level Monitoring Sites  
Village Utilities Standards Design Update  
Village Royale Lift Station  
Multiple Village Lift Station Evaluations



### City of Fort Lauderdale

George T. Lohmeyer WWTP Effluent Pumps VFD Replacement  
Peele-Dixie WWTP Electrical Service Modifications  
Fiveash WTP Backwash Pump Replacement  
George T. Lohmeyer WWTP Arc Flash Study

SEC also has in-depth knowledge of lighting design projects. Their cost-effective and energy efficient designs provide facility owners with security in the knowledge that their operating expenses are among the lowest in the area. Whether projects require new construction or the renovation of aging facilities, SEC staff can provide planning and design services, cost estimates, and construction phase services related to street lighting projects. They have extensive experience in the following areas of electrical engineering design applicable to lighting projects: electrical service and distribution design; conventional, decorative, and high mast lighting design (including illumination calculations



## **Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## **5-CAS TEAM EXPERTISE - SUBCONSULTANTS**

(photometrics)); signalization (including signal timing, cable diagrams, system quantities and conduit sizing calculations, and programmable logic controller integration); and electrical power systems analysis (including voltage drop calculations, short-circuit coordination, and arc-flash).

SEC has established a reputation for completing assignments in a cost-effective and timely manner. They have accomplished this through innovative thinking, careful planning, and professionals who believe in quality and hard work. You can count on SEC to provide the detailed plans and specifications necessary for smooth construction, start-up, and operation. SEC has completed numerous successful lighting projects for the City of West Palm Beach.

*Smith Engineering Consultants, Inc. is a **Certified SBE firm with Palm Beach County** and will be providing electrical engineering services for the duration of this contract.*



Founded in 1997, **RADISE International, L.C.** (RADISE) specializes in providing Geotechnical Engineering, Materials Testing and Inspection Services. RADISE has a staff of 64 including local professional engineers, field and laboratory technicians, geotechnical drillers, inspectors and support staff servicing Miami Dade, Broward and Palm Beach Counties. Their senior staff has

250+ years of combined Geotechnical Engineering, Materials Testing and Inspection experience.

*RADISE has been serving Florida for 20 years, and has always been a financially sound firm. They have a history of no litigation, and maintain a safety first record of no OSHA lost time.*

### **Specialized Experience and Technical Competence are as follows but are not limited to:**

- Geotechnical Engineering Services (subsurface studies)
- Geotechnical Drilling (Standard Penetration Test borings)
- Foundation Analysis (recommendations and design)
- Bridge Piling Design including WEAP Analysis
- Construction Materials Testing and Inspections, including soils & concrete tests
- Construction Monitoring and Inspections (CEI), including PDA, driven pile inspections, vibro-compaction/replacement oversight, auger cast pile load test and production pile monitoring, post-tension inspections and vibration monitoring.
- Masonry Tests, Asphalt Monitoring and Tests
- Non-destructive tests (Impact Hammer and Windsor probe)
- Special and Threshold Inspection Services
- Geosynthetic Materials (geomembranes, geotextiles, geonets and geosynthetic clay liners) Inspections

As experts in providing geotechnical engineering and materials testing and inspection services, they are skilled in conducting site investigation, evaluation, design and preparation of engineering plans; preparing specifications and contract documents; master planning, permit preparation construction inspections/oversight; as well as serving as liaison with project owners, cities, counties, consultants, agencies and stakeholders. They perform all drilling in-house with multiple truck and track mounted drill rigs. RADISE is also an FDOT CTQP Training Provider, training in-house staff, FDOT personnel and outside clients.



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 5-CAS TEAM EXPERTISE - SUBCONSULTANTS

**Offices and Certified Testing Labs:** RADISE has 3 offices (in Palm Beach, Broward and Miami-Dade Counties); and 2 certified construction materials testing laboratories in Palm Beach (FDOT/CMEC/USACE certified) and Broward (FDOT/CMEC certified) Counties.

**Experience:** For over 20 years, RADISE has provided geotechnical engineering, field and lab construction materials testing, inspection and quality control services for projects throughout Florida. Their significant experience and a solid background working with both the Public and Private Sectors in South Florida includes continuing service contracts with numerous Cities, Counties, and School Districts, and they work extensively with the SFWMD, FDOT and USACE, on operations that run 24/7

**Quality Control:** RADISE developed and utilizes a Quality Control System that is a powerful, web-based application. The QC system enhances project success with features that simplify reporting, and create instant results/reports for clients, 24/7, accessible via the internet. The QC System has proven to be a significant advantage when reporting to the level that is required by many agencies.

RADISE International also offers engineering inspection and testing services to clients to confirm the quality of the work performed and construction materials used in their projects. RADISE's engineering inspectors and technicians are trained to monitor and record workmanship and to inspect and document material conformance to project specifications. Their involvement helps prevent deviations that can affect the quality or compromise the design of projects.

### **RADISE Certified or Validated test methods (CMEC/AMRL/USACE/FDOT)**

- Soil
- Aggregate
- Concrete
- Bituminous
- Masonry
- Rock

RADISE also provides construction administration and specialize in offering a wide range of innovative engineering consulting and construction support services that bring infrastructure, inspired people, and cutting-edge technology together to solve the most daunting challenges facing the infrastructure industry. They offer products and services that redefine the way the world builds, operates and maintains its infrastructure.

Their products and services cater to infrastructure builders, owners & operators; government bodies; general contracting firms; infrastructure vendors etc. operating across various markets. The markets we serve include:

- Water Resources
- Water & Wastewater
- Power & Industrial
- Roadways & Bridges
- Buildings & Places
- Environment
- Transit
- Airports & Ports



They also build, install and maintain state-of-the-art embedded data collectors (EDCs) that provide comprehensive health monitoring of infrastructure assets through its entire lifecycle. (Known as "Smart Structures").



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# 5-CAS TEAM EXPERTISE - SUBCONSULTANTS

As experts in providing engineering, testing and inspection services, they are skilled in conducting site investigation, evaluation and review of construction plans; specifications and contract documents; as well as serving as construction inspectors and liaisons with project owners, cities, counties, consultants, agencies and stakeholders. They have worked on small and large capital improvement and/or infrastructure projects for the SFWMD, USACE, FDOT, Counties, Cities, School Districts and numerous contractors/consultants.

They perform additional construction support activities, including various testing and monitoring work – drilling in-house with multiple truck and track mounted drill rigs. Their drilling capacities includes Standard Penetration Testing (SPT), rock coring, sonic drilling, wash probing, vibracoring, undisturbed sampling, test pits and monitoring well installations in all kinds of field conditions and access situations including: upland swamp (partially inundated or tidally inundated), and on water. Some of their previous projects include the Picayune Strand Restoration (Collier County) and the 3A/3B seepage management area (Broward county) for South Florida Water Management District, which involved site clearing and heavy equipment operation.

RADISE staff have coordinated closely with CAS in providing geotechnical services for numerous project for CAS throughout South Florida. Assigned project managers were responsible for ensuring quality and timely geotechnical services for a myriad of utility projects (i.e., water main, sewer force main, drainage, roadway and pump station projects) designed and managed by CAS for the following municipal clients:

- Sunny Isles Beach
- Indian Trail Improvement District
- Spring Lake Improvement District
- City of Margate
- City of Moore Haven
- Hardee County
- Okeechobee County
- City of Belle Glade



In addition, RADISE is currently part of the CAS Team and provided geotechnical engineering services for the City of Margate, Sunshine Water Control District and the City of Delray Beach NW Neighborhood Improvement Project.





## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 5-CAS TEAM EXPERTISE - SUBCONSULTANTS

*RADISE is an M/WBE State certified Florida DOT DBE firm and will be providing geotechnical and material testing services from their Riviera Beach office for the duration of this contract.*



## Cotleur & Hearing

LAND PLANNING • LANDSCAPE ARCHITECTURE

Cotleur & Hearing (C&H) is pleased to join Craig A. Smith & Associates in this response to the Request for Qualifications (RFQ) issued by the Town of Highland Beach for Continuing Professional Engineering, Architectural, Landscape Architectural, Surveying and Mapping Consulting Services (CCNA). As a distinguished firm with a proven track record, we are enthusiastic about the prospect of contributing their expertise to the Town's vision. C&H consists of an exceptional group of professionals fully capable of providing the Town with the professional services required for successful projects assigned under this RFQ. They are proud to be in their 32<sup>nd</sup> year of business in Palm Beach County, providing their clients with innovative and cost-effective planning and design services.

Cotleur & Hearing (C&H) is pleased to join Craig A. Smith & Associates in this response to the Request for Qualifications (RFQ) issued by the Town of Highland Beach for Continuing Professional Engineering, Architectural, Landscape Architectural, Surveying and Mapping Consulting Services (CCNA). As a distinguished firm with a proven track record, we are enthusiastic about the prospect of contributing their expertise to the Town's vision. C&H consists of an exceptional group of professionals fully capable of providing the Town with the professional services required for successful projects assigned under this RFQ. They are proud to be in their 32<sup>nd</sup> year of business in Palm Beach County, providing their clients with innovative and cost-effective planning and design services.

C&H has extensive experience working with governmental agencies including the Florida Department of Transportation (Districts 4 and 6), Florida's Turnpike Enterprise, Palm Beach County, City of Palm Beach Gardens, Village of Royal Palm Beach, City of Greenacres, Town of Lake Park, Town of Jupiter, Town of Juno Beach, Martin County, City of Stuart, the City of Port St. Lucie, and St. Lucie County and actively maintains continuing services contracts with several of them. Other high-profile clients include Florida Power & Light, The South Florida Water Management District, Indian Trails Improvement District, Northern Palm Beach Improvement District, numerous land developers, along with many other diverse private sector clients.

Today, C&H provides professional services in the disciplines of Landscape Architecture, Master Planning, and Urban and Regional Land Planning. C&H has traditional Landscape Architecture and Planning departments, along with a specialized Transportation Department that is dedicated to transportation landscape architecture focusing on public sector, streetscape, and mobility projects.

C&H's Transportation Division focuses solely on the specialized field of transportation landscape architecture. Every visitor or resident traveling through southeast Florida has encountered one of C&H's iconic streetscape or interchange design projects completed for the Florida Department of Transportation or a local agency. C&H is one of the most experienced firms in providing transportation landscape architecture in Florida. Led by Aaron Wilbur, Partner, and Rob Cotleur, Principal, C&H has provided design and production support on over 185 standalone landscape projects and over 138 roadway construction projects.

C&H recently supported FDOT and its in-house engineering staff for the resurfacing, reconstruction, and widening project along SR A1A from Grand Court to South of Linton Blvd (FDOT FM #444477-1). This project required significant public involvement efforts and coordinating with both Town staff and resident. Due to the sensitive nature of impacting the adjacent private properties along A1A, C&H was tasked with minimizing the removals of existing landscape and restoring the private irrigation systems located within the FDOT Right of Way. This landscape was originally designed by C&H as a part of a 2001 FDOT streetscape project and revitalized in 2004 by C&H directly for the Town of Highland Beach.

Some of C&H's most recent Prime Consultant experience for FDOT includes:

- FDOT Contract #CAH36; Continuing Services Contract for Landscape Architecture Support from 2021 through 2026. C&H is currently providing Landscape Architectural Services for 10 major highways and interchanges, and a total of 23 task work orders. These projects and tasks are in varying phases of design and construction.
- FDOT Contract #CA239; Continuing Services Contract for Landscape Architecture Design and Production from 2018 through October 2023. Provided Landscape Architectural Services for 12 major highways and



**Craig A. Smith & Associates**

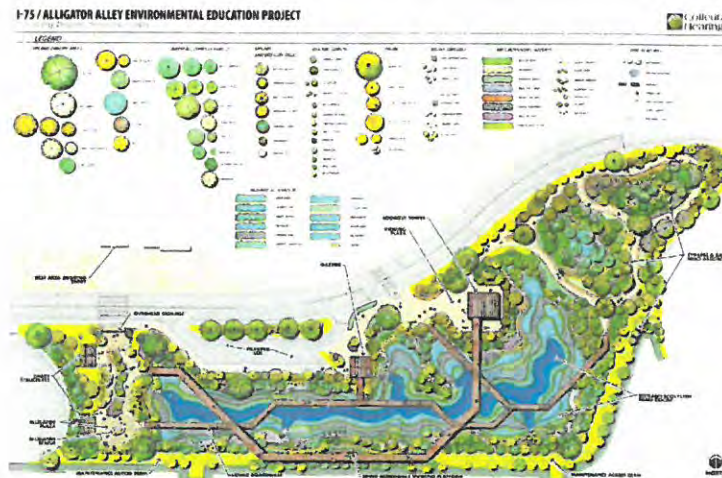
Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

**5-CAS TEAM EXPERTISE -  
SUBCONSULTANTS**

interchanges, and a total of 28 task work orders. All projects on this contract are currently 100% design complete and are in varying phases of construction. The contract will expire in May of 2023.

These multi-year task work order-based contracts have made C&H an expert in the execution and management of concurrent project assignments. C&H's expertise and dedication to excellence are reflected in their performance evaluations from the Department, with a current average composite grade of 4.8, which is outstanding for FDOT consultants in District 4.

The projects completed on the contracts listed above include some of FDOT's largest landscape projects, including the \$4 million I-75 and I-595 interchange (437846-1), the \$6 million I-95 at I-595 interchange (433897-1), the \$2.3 million I-95 at SR 706 interchange (433109-1), the \$2 million SR 7 Standalone Landscape Projects (227774-5/227775-4), and the \$11 million I-75 Alligator Alley Environmental Education project (437934-2/3), which included major site reconstruction to accommodate the conversion of the rest area to an environmental education center that is currently nearing completion and the future installation of the landscape to include a wetland exhibit, arboretum, and landscaped recreation areas (pictured below). This project had every aspect of landscape architecture including landscape design, irrigation design, hardscape design and detailing, signage design and graphics (educational and entry signage), art in public places, environmental wetland design, park design, and water feature design. C&H has also provided post-design construction administration services for almost every project completed and has expert landscape architects, landscape inspectors, and arborists available to assist through the completion of every project or task.







## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 5-CAS TEAM EXPERTISE - SUBCONSULTANTS

Project experience also includes tree disposition and relocation projects such as the I-95 Express Lanes Tree Disposition projects, including phases 3A-1 (FM 433108-4), 3A-2 (FM 433108-5), 3B-1 (FMs 433108-6/433109-4), 3B-2 (FM 433109-5), and 3C (FM 409354-2). These Express Lane projects required the assessment of almost 10,000 trees and accounted for the relocation of over 2,000 trees that would have otherwise been cleared, preserving, and reusing this valuable FDOT resource.

C&H also boasts a diverse recreation portfolio. In addition to the parks, recreation facilities, and multiuse trails provided with each community, C&H has a wide array of experience with local parks, including the Crosstown Parkway Coral Reef Park located in port St. Lucie, Florida (pictured below).



C&H also currently supports the Village of Royal Palm Beach through a Continuing Services for Professional Design Contract. C&H assisted the Village with the complete revitalization of the Village Hall and Municipal Complex, the Village's Welcome Monument Signs, the Cultural Center, the Okeechobee Blvd Streetscape Landscape and Irrigation Project, and Crestwood Park.

C&H's on-time, on-budget, and on-target approach to projects has been proven successful time-and-time again and is a strategy that is founded in responsiveness to their clients and care for the projects they entrust to us. This strategy includes a focus on the following.

### ***Responsiveness***

Responsiveness in project management refers to the ability to adapt and react promptly to changes, challenges, and stakeholders' needs throughout the project lifecycle and is critical to collaboration and project success. Aaron Wilbur will serve as the firm's point of contact and project manager and will be available to the Town's project managers and staff daily. This core value is one of highest importance and it is his personal objective to respond to all emails within the same hour they are received, simply answering the phone, and returning all phone calls within the same day. The Town will not find more responsive project management. It is C&H's commitment to ensure the Town's staff can function efficiently and without delay throughout the duration of the contract. Effective project management based in responsiveness contributes directly to adaptability to change, customer/stakeholder satisfaction, risk mitigation, efficient resource allocation, improved communication, faster decision making, enhanced team morale, competitive advantages, and an increased overall project success rate. Responsiveness extends not only to communications but also to the completion of the assigned task which is discussed in more depth below.



## **Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## **5-CAS TEAM EXPERTISE - SUBCONSULTANTS**

### ***Budget Management***

C&H has a demonstrated ability to manage defined budgets on large complex projects for both design and construction phases. C&H performs a significant amount of work and is the General Consultant to the Florida Department of Transportation, District 4. Throughout the 25 years working with the Department, C&H has ranked in the top percentage of all consultants in the state of Florida for managing projects, meeting deadlines, and adhering to design and construction budgets. C&H has been acknowledged for consistently and accurately forecasting project costs, from the establishment of the project scope, staff hours, and consultant's fee to the construction cost. This accuracy has made C&H an expert at assisting the Department with the management of their Work Program Funding and the allocation of the State's 1.5% landscape funding for District 4.

C&H's recent project work attests to this. The 3 most recent projects entering the construction phase were bid right at the target budget. These projects included the I-95 at High Meadows Avenue Interchange (FDOT Project ID #441318-1) and the two standalone landscape projects along SR 713 King's Highway (FDOT Project IDs #230256-8 and #438041-1). C&H also offers substantial cost control providing the right staff for the right task. Their knowledge of similar projects enables them to provide accurate and well-scoped proposals, ensuring future change orders or supplemental agreements are not needed.

### ***Schedule Management and the Ability to Meet Deadlines***

C&H has a reputation for not only meeting schedule deadlines, but for driving project schedules and motivating the team. C&H has been acknowledged on numerous occasions for its pro-active approach to planning and consistency in meeting project deadlines. C&H will never wait for project deadlines to approach to complete the work but will drive the project schedule forward beating all anticipated deadlines. Their experience allows them to anticipate potential hurdles and to successfully navigate challenges without delay in both design and construction. The C&H team is consistently commended by FDOT project managers for their control of the project schedule. C&H has a deep bench of professionals that can be called upon to contribute to the success of this contract.

In conclusion, C&H is uniquely positioned to deliver comprehensive Landscape Architectural and Planning services in alignment with the evaluation criteria and specifications outlined in the RFQ. With a commitment to excellence and innovation, our firm integrates cutting-edge design principles with a deep understanding of urban planning to create environments that are holistic, functional, and visually striking. From conceptualization to implementation, C&H is dedicated to delivering solutions that enhance the quality of life for the Town of Highland Beach residents. A successful consultant team will need to understand the Town's vision and to respond to those goals through their commitment to excellence and innovative design solutions. C&H is excited for the opportunity to contribute to the enhancement of Highland Beach.

*Cotleur & Hearing Landscape Architecture, LLC. will be providing Landscape Architectural services from their Jupiter office location for the duration of this contract.*



Florida Technical Consultants

Florida Technical Consultants, LLC (FTC) is a Civil Engineering consulting firm offering GIS specialized consulting services to governmental agencies and private companies in Palm Beach and the surrounding counties in Southern Florida. FTC has been in business since January 2014 and is set up as a Limited Liability Company (LLC) under the state of Florida. It has obtained pre-qualification as a Professional Consultant under CCNA (Consultants Competitive Negotiation Act) for many municipalities and government agencies in South Florida including the City of Boynton Beach, Cooper City, City of Deerfield Beach, City of Ft. Lauderdale, Marathon, Miami Gardens, and City of North Miami Beach.



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 5-CAS TEAM EXPERTISE - SUBCONSULTANTS

The Civil Engineering consulting services offered by FTC are primarily focused on the computerized mapping, modeling, and inspection of potable water systems, gravity sewer systems, sewer force mains, reclaimed water systems, storm water systems and various other municipal infrastructure utilizing GIS (Geographic Information Systems) computer software. FTC also provides low resolution engineering services for design and construction which are based on GIS applications. FTC has completed large GIS based utility projects with Cooper City, Boynton Beach Utilities, South Martin Regional Utilities, the Solid Waste Authority of Palm Beach County, and the Coral Springs Improvement District.

Based on FTC's extensive experience with engineering and construction projects, and as an ESRI Silver Business Partner with an ArcGIS Online Specialty, the goal of FTC is to provide comprehensive Civil Engineering Information Management services utilizing GIS in the following areas:

- Utility Operations, Maintenance and Asset Management
- Master Planning, Modeling and Engineering Studies
- Capital Improvement Project Development
- Engineering Data Development and Updating
- Engineering Design and Permitting
- Construction Inspection Services
- Revenue Generation

FTC brings to the table a highly skilled engineering team which includes two Florida licensed Professional Engineers along with support staff to fulfill and support the requirements of their clients. FTC always strives to become part of the client's "team" which maximizes the use of the client's existing resources and provides a seamless integration of the projects. We trust that you will find that FTC has the capabilities and expertise to provide you with the GIS Consulting Services that the Town of Highland Beach may require.

FTC and CAS have worked together in an integrated approach in order to provide updated GIS utility maps to Coral Springs Improvement District. CAS will provide utility locating services and FTC will develop and update the District's GIS utility atlas maps accordingly. FTC has also as part of the CAS Team provided GIS support service to the City of Lake Worth Beach, updating the City's water main distribution system record drawings.

*Florida Technical Consultants, LLC. is a **Certified SBE firm with Palm Beach County** and will be providing GIS and Mapping needs for the duration of this contract.*



**Scalar Consulting Group Inc.** (Scalar) is a minority business enterprise (MBE) and disadvantaged business enterprise (DBE), with its corporate office located in West Palm Beach and regional offices located in Maitland, Tampa, Plantation, Melbourne, and Tallahassee.

Scalar staff bring decades of experience to the transportation engineering and construction inspection industries. Some of their transportation engineering services include Project Development and Environment (PD&E) studies; NEPA evaluations; corridor planning; and complex highway design for interstate, expressways, state roads, and local streets. Their staff have worked on projects of both large and small scale (from freeway interchange modifications to sidewalk improvement projects). In addition, Scalar provides drainage design and permitting (state and local agencies), signing and pavement markings design, signalization design, lighting design, utility coordination, roadway construction cost estimating, minor structural design, and public involvement services.



## Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

## 5-CAS TEAM EXPERTISE - SUBCONSULTANTS

Scalar has an experienced and well-known team comprising its Construction Engineering & Inspection (CEI) Division. They provide CEI services on a wide variety of state and municipal projects such as: construction engineering & inspection, constructability & biddability reviews, construction cost estimating, value engineering, field engineering, pavement management, bridge inspection, CPM scheduling and review, and more.

### Scalar is FDOT Certified in Work Groups:

- 2.0 Project Development and Environmental Studies
- 3.1 Minor Highway Design, 3.2 Major Highway Design, 3.3 Controlled Access Highway Design
- 4.1.1 Miscellaneous Structures, 4.1.2 Minor Bridge Design; 4.2.1 Major Bridge Design – Concrete; 4.2.2 Major Bridge Design – Steel
- 5.4 Bridge Load Rating
- 6.1 Traffic Engineering Studies, 6.2 Traffic Signal Timing, 6.3.1 ITS Analysis and Design, 6.3.2 ITS Implementation
- 7.1 Signing, Pavement Marking and Channelization, 7.2 Lighting, 7.3 Signalization
- 10.1 Roadway Construction Engineering Inspection, 10.3 Construction Materials Inspection, 10.4 Minor Bridge & Miscellaneous Structures CEI, 10.5.1 Major Bridge CEI – Concrete
- 11.0 Engineering Contract Administration and Management
- 13.3 Policy Planning, 13.4 Systems Planning, 13.5 Subarea/Corridor Planning, 13.6 Land Planning/Engineering

Scalar is always dedicated to providing their clients with innovative solutions, maximum cost savings, efficient communication, and coordination to ensure clients achieve their goals on time and within budget. While new firms have entered the market in the past years and others have left or been acquired by large corporations, Scalar Consulting Group Inc. has remained a private and independent company, beholden only to customers' best interests. They deliberately seek out only those opportunities where we can deliver results and build strong professional relationships that will last for decades to come.



Justin Architects, P.A., formerly recognized as Cartaya & Associates, Architects, PA, is a highly regarded architectural firm based in the heart of Fort Lauderdale, Florida. The transformative journey began in 2021 when Cartaya and Associates P.A embarked on a transition that unveiled the emergence of Justin Architects. This evolution goes beyond a mere alteration of name and corporate branding; it signifies the advent of a new era where unwavering commitment lies in consistently delivering exceptional Architectural Design Services with a fresh identity.

With a foundation rooted in a legacy tracing back to 1979, they have spent over four decades establishing themselves as a pioneering architectural entity in South Florida. Their impact extends well beyond the local landscape, resonating across the tri-county region, leaving an indelible imprint. Their domain encompasses an array of facets including Architectural, Interior Design, Planning, and dedication to Sustainability (LEED/WELL standards), as well as adeptness in construction management. This multifaceted approach sets them in a league apart from competitors. At the core of Justin Architects is a dedication to design that meld seamlessly with impeccable execution – a relationship of creativity and production that remains consistent.



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

**5-CAS TEAM EXPERTISE -  
SUBCONSULTANTS**

Justin Architects possesses a wealth of diversified experience and a unique blend of professional perspectives that will profoundly enrich the capacity to offer innovative concepts, top-tier solutions, and robust technical expertise in their capacity as designers, reviewers, and liaisons with various agencies. Their extensive track record, involving collaboration with more than twenty Governmental Agencies across South Florida, brings substantial depth, diversity, and unparalleled experience to the forefront, eliminating the need for a costly learning curve.

The fusion of Justin Architects is composed of an exceptional and diverse ensemble of seasoned architects and specialists within their respective disciplines. This collective brilliance is channeled not only towards the meticulous execution of projects, but also towards cultivating robust client interactions and nurturing enduring relationships. Timeliness and adherence to budgets form the cornerstone of their operational ethos.

**ACCOMPLISHMENTS:** They have been the architects for hundreds of projects in South Florida such as the Town of Davie, New Town Hall – Design Criteria Package, Pompey Park Recreational Center in Delray Beach, Sea Glass Beach Place, Fort Lauderdale-Hollywood International Airport Car Rental Return Facility; Broward College's Fine Arts Building, A. Hugh Adam's Parking Garage and Bailey Concert Hall Interior Renovations; and the City of Miramar's Town Center, Cultural Arts Facility, City Hall and Police Headquarters, the City of Fort Lauderdale Aquatic Center and Complex which recently received the AIA Design Awards in 2022. They also provided Design Review for the Walmart Store on Oakland Park Boulevard and NE 6th Avenue as part of the Calvin Giordano & Associates Team and the City of Oakland Park Police Municipal Building Hardening.

*Justin Architects hold SBE/DBE/CBE in Broward County via the respected Florida Unified Certification Program (UPC), and are also MBC Certified under the umbrella of the Florida Department of Management Services Suppliers Diversity, as well as Pre-Qualified with the Florida Department of Transportation (FDOT), to do work in Group 14 - Architecture.*

Justin Architects will be providing professional architectural services for the duration of the contract.

## 6 – References

**REFERENCES FOR** Craig A. Smith & Associates, LLC

(NAME OF FIRM)

1. Reference/Contact Name:

Town of Golden Beach Continuing Professional Services

Professional Services Performed:

A professional general engineering services contract has been maintained with the Town since 2000. Details of projects are listed in the attached.

Phone:

305 932 0744

Fax:

E-Mail:

alexdiuz@townofgoldenbeach.us

2. Reference/Contact Name:

Village of El Portal Continuing Professional Services

Professional Services Performed:

A professional general engineering services contract has been maintained with the Village since 2003. Details of projects are listed in the attached.

Phone:

305 795 7880

Fax:

E-Mail:

villagemanager@villageofelportal.org

3. Reference/Contact Name:

city of Margate Continuing Professional Engineering Services

Professional Services Performed:

A professional general engineering services contract has been maintained with the City since 2014. Details of projects are listed in the attached.

Phone:

954 884 3633

Fax:

E-Mail:

rdaniels@margatefl.com



**Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

**6 - REFERENCES**

**1. TOWN OF GOLDEN BEACH**

One Golden Beach Drive  
Golden Beach, Florida 33160



Contract Type: Continuing Professional Engineering Services  
Consultant: Craig A. Smith & Associates  
Contact: Alexander Diaz, Town Manager  
Telephone: (305) 932-0744  
E-mail: alexdiaz@townofgoldenbeach.us  
Start Date: October 23, 2000  
End Date: On-going  
Contract Status: Active

Work Performed: A professional general engineering services contract has been maintained with the Town of Golden Beach since 2000. With limited staff, the Town relies on CAS' professional experience and expertise to properly maintain their utility infrastructure. CAS provides all engineering design, survey, utility locates, construction management services for roadway, drainage, water, electrical, utility undergrounding, utility easement acquisitions and mechanical related projects within the Town including the Town's recently completed Capital Improvements Project. CAS also provides agency required reporting for NPDES, DERM and WASAD, and assistance in securing funding through FEMA and SFWMD grants. The annual budget for these projects ranges from \$100,000 to \$200,000 annually.

**2. VILLAGE OF EL PORTAL**

500 NE 87<sup>TH</sup> Street  
El Portal, Florida 33138



Contract Type: Continuing Professional Engineering Services  
Consultant: Craig A. Smith & Associates  
Contact: Christia Alou, Village Manager  
Telephone: (305) 795-7880  
E-mail: villagemanager@villageofelportal.org  
Start Date: January 30, 2003  
End Date: On-Going  
Contract Status: Active

Work Performed: A professional general engineering services contract has been maintained with the Village of El Portal since 2003. With limited staff, the Village relies on CAS' professional experience and expertise to properly maintain their drainage and wastewater collection system infrastructure. CAS provides all engineering design, survey, utility locates, construction management services for drainage, wastewater conveyance/collection system improvements, utility easement acquisitions and mechanical (stormwater and wastewater pump stations) related projects within the Village. CAS also provides agency required reporting for NPDES, DERM, FDEP and WASAD. The annual budget for these projects ranges from \$100,000 to \$150,000 annually.





### Craig A. Smith & Associates

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# 6 - REFERENCES

### 3. CITY OF MARGATE

901 NW 66<sup>th</sup> Ave. Suite A  
Margate, Florida 33063

Contract Type:	Continuing Professional Engineering Services
Consultant:	Craig A. Smith & Associates,
Contact:	Randy Daniels, P.E., PMP, CDM
Telephone:	(954) 884 3633
E-mail:	rdaniels@margatefl.com
Start Date:	December 7, 1998
End Date:	On-going
Contract Status:	Active



**Work Performed:** A professional general engineering services contract has been maintained with the City of Margate since the late 1990s. In June of 2018, CAS was awarded a new contract with the city through a Request For Proposal (RFP) process. The city relies on CAS' professional experience and expertise to properly maintain their utility infrastructure. CAS provides engineering design, survey, utility locates, construction management services for water, wastewater, electrical and mechanical related projects. CAS has successfully completed the rehabilitation of eleven (11) wastewater lift stations and associated force main extensions totaling over \$5 million. CAS has completed design on another five (5) wastewater lift stations slated for rehabilitation. Of the five lift stations, LS No.21 is currently in construction (design cost: \$60,990, construction cost: \$298,216) and LS No.7 (design cost: \$63,450, construction cost: \$550,000) has been advertised for construction. In addition, CAS provided design services for the replacement of undersized steel water mains with 6 inch DIP lines throughout the city service area and is currently providing public outreach, construction inspection and management services.

### 4. CITY OF SUNNY ISLES BEACH

18070 Collins Avenue  
Sunny Isles Beach, Florida 33160

Contract Type:	Continuing Professional Engineering Services
Consultant:	Craig A. Smith & Associates
Contact:	Rich Labinsky, City Engineer
Telephone:	(305) 947-0606
E-mail:	rlabinsky@sibfl.net
Start Date:	January 23, 2014
End Date:	On-going
Contract Status:	Active



**Work Performed:** CAS has been working with the City of Sunny Isles since 2011 providing engineering services for city-wide drainage and roadway infrastructure improvements within the City. This is a multi-year professional engineering services contract on a work order basis. CAS recently completed the design and permitting of the Central Island Stormwater Pump Station & Drainage Improvements Project. The project is currently in the bidding phase.



## **Craig A. Smith & Associates**

Engineers • Surveyors • Subsurface Utility Engineering  
3D Subsurface Imaging • Utility Coordination

# 6 - REFERENCES

## **5. TOWN OF PEMBROKE PARK**

3150 WW 52<sup>nd</sup> Ave  
Pembroke Park, FL 33023



Contract Type: Continuing Professional Engineering Services  
Consultant: Craig A. Smith & Associates  
Contact: Aleem Ghany  
Telephone: (954) 966 4600  
E-mail: aghany@tppfl.gov  
Start Date: March 4, 19998  
End Date: On-Going  
Contract Status: Active

**Work Performed:** A professional general engineering services contract has been maintained and recently re-selected with the Town of Pembroke Park since 2004. The city relies on CAS' professional experience and expertise to properly maintain their utility infrastructure. CAS provides engineering design, survey, utility locates, construction management services for roadway, drainage, water and wastewater related projects. CAS is currently providing engineering services for the rehabilitation of three (3) wastewater lift station and is scheduled to provide construction management and inspection services for the SW 25<sup>th</sup> Street Drainage Improvement project in which CAS completed design and permitting. CAS is also providing Updates to the Town's Comprehensive Wastewater Master Plan.

## **6. CITY OF SWEETWATER**

500 SW 109<sup>th</sup> Avenue  
Sweetwater, Florida 33174



Contract Type: Continuing Professional Engineering Services  
Consultant: Craig A. Smith & Associates, Inc.  
Contact: Eric Gomez, City Engineer  
Telephone: (305) 553-5457  
E-mail: egomez@sweetwater.fl.gov  
Start Date: October 23, 2000  
End Date: On-going  
Contract Status: Active

**Work Performed:** A professional general engineering services contract has been maintained with the City of Sweetwater since 2000. With limited staff, the City relies on CAS' professional experience and expertise to properly maintain their drainage infrastructure. CAS provides all engineering design, survey, utility locates, construction management services for drainage, utility easement acquisitions and mechanical (stormwater pump stations) related projects within the City. CAS also provides agency required reporting for NPDES, DERM and WASAD. The annual budget for these projects ranges from \$200,000 to \$750,000 annually.

## **7 – Certified Minority Business Enterprise (5 points)**



**SMALL BUSINESS CERTIFICATION**  
The City of West Palm Beach's Small Business Program  
Certifies that

**CRAIG A. SMITH & ASSOCIATES, LLC**

Has met the necessary requirements for certification as a Small Business under the Small Business Program as prescribed by the City of West Palm Beach's Ordinance Number 3366-00.

The following List of Services and/or Product are covered under this certification:

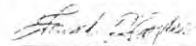
\*\*\*\*\*

- Aircraft Operations Services: Aerial Surveys (Including Wildlife Censuses)
- Architectural Professional Design Services: Recreation Facilities (Parks, Marinas, etc)
  - Architectural and Engineering Services, Non-Professional
  - Engineering Services, Professional: Civil, Surveyor Services, Land
- Environmental and Ecological Services: Tank Testing and Disposal Services, Storage Including Underground Types
  - Mapping Services Including Cartography and Surveying Services, Not Aerial, for Digitized Mapping

\*\*\*\*\*

Issued by the City of West Palm Beach for a three-year period December 29, 2022 to December 28, 2025

Certificate Vendor Number: 1070664



Frank Hayden  
Director Office of Equal  
Opportunity

**MINORITY/WOMAN BUSINESS CERTIFICATION**  
The City of West Palm Beach's Minority/Women Business Program  
Certifies that

**CRAIG A. SMITH & ASSOCIATES, LLC**

Has met the necessary requirements for certification as a Minority/Women Business under the Minority/Women Business Program as prescribed by the City of West Palm Beach's Ordinance Number 4679-18

The following List of Services and/or Product are covered under this certification:

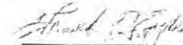
\*\*\*\*\*

- Aircraft Operations Services: Aerial Surveys (Including Wildlife Censuses)
- Architectural Professional Design Services: Recreation Facilities (Parks, Marinas, etc)
  - Architectural and Engineering Services, Non-Professional
  - Engineering Services, Professional: Civil, Surveyor Services, Land
- Environmental and Ecological Services: Tank Testing and Disposal Services, Storage Including Underground Types
  - Mapping Services Including Cartography and Surveying Services, Not Aerial, for Digitized Mapping

\*\*\*\*\*

Issued by the City of West Palm Beach for a three-year period December 29, 2022, to December 28, 2025

Certificate Vendor Number: 1070664



Frank Hayden  
Procurement Official



**OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT  
Governmental Center Annex**

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400 • FAX 954-357-5674

October 20, 2023

Mr. Larry M. Smith  
**SMITH ENGINEERING CONSULTANTS, INC.**  
412 S.E. 18<sup>th</sup> Street  
Fort Lauderdale, Florida 33316

Dear Mr. Smith:

The Broward County Office of Economic and Small Business Development (OESBD) is pleased to announce that your firm's **County Business Enterprise (CBE)** certification has been renewed.

**Your firm's certifications are continuing from your anniversary date but are contingent upon the firm verifying its eligibility annually through this office.** You will be notified in advance of your obligation to continue eligibility in a timely fashion. **However, the responsibility to ensure continued certification is yours.** Failure to document your firm's continued eligibility for the CBE and SBE programs within **thirty (30) days** from your anniversary may result in the expiration of your firm's certifications. Should you continue to be interested in certification after it has expired, you will need to submit a new application, and all required supporting documentation for review.

To review current Broward County Government bid opportunities, visit: [www.broward.org/Purchasing](http://www.broward.org/Purchasing) and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over \$3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

Your primary certification group is: **Architecture/Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: [www.broward.org/EconDev](http://www.broward.org/EconDev) and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following area:

**NAICS CODE: 541330**

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,

SANDY-MICHAEL  
MCDONALD

Digitally signed by SANDY-  
MICHAEL MCDONALD  
Date: 2023.10.24 13:35:46  
CJ CC

Sandy-Michael McDonald, Director  
Office of Economic and Small Business Development

**Cert Agency: BC- CBE  
ANNIVERSARY DATE: AUGUST 5<sup>th</sup>**

# State of Florida

## Minority Business Certification

SCALAR CONSULTING GROUP INC.

Is certified under the provisions of  
287 and 295.187, Florida Statutes, for a period from:  
05/31/2023 to 05/31/2025



J. Todd Inman  
Florida Department of Management Services





**OFFICE OF ECONOMIC AND SMALL BUSINESS DEVELOPMENT**

**Governmental Center Annex**

115 S. Andrews Avenue, Room A680 • Fort Lauderdale, Florida 33301 • 954-357-6400

January 19, 2023

Mr. Juan Justiniano  
**JUSTIN ARCHITECTS, P.A.**  
2400 E. Commercial Blvd., Suite 201  
Fort Lauderdale, Florida 33308

Dear Mr. Justiniano:

The Broward County Office of Economic and Small Business Development (OESBD) is pleased to announce that your firm's **County Business Enterprise (CBE)** has been renewed.

Your firm's certifications are continuing from your anniversary date but are contingent upon the firm verifying its eligibility annually through this office. You will be notified in advance of your obligation to continue eligibility in a timely fashion. However, the responsibility to ensure continued certification is yours. Failure to document your firm's continued eligibility for the CBE and SBE programs within **thirty (30) days** from your anniversary may result in the expiration of your firm's certifications. Should you continue to be interested in certification after it has expired, you will need to submit a new application, and all required supporting documentation for review.

To review current Broward County Government bid opportunities, visit: [www.broward.org/Purchasing](http://www.broward.org/Purchasing) and click on "Current Solicitations and Results." Also, from this website, you can log into your firm's profile in BidSync to ensure you have added all appropriate classification codes. Bid opportunities over \$3,500 will be advertised to vendors via e-mail and according to classification codes, so please ensure that both the Purchasing Division and OESBD are apprised of your current e-mail address.

Your primary certification group is: **Architecture and Engineering Services**. This is also how your listing in our directory will read. You may access your firm's listing by visiting the Office of Economic and Small Business Development Directory, located on the internet at: [www.broward.org/EconDev](http://www.broward.org/EconDev) and click on "Certified Firm Directories."

Your firm may compete for, and perform work on Broward County projects in the following areas:

**NAICS CODE: 541310, 541320, 541340**

Re: Justin Architects, P.A. January 19, 2023

We look forward to working with you to achieve greater opportunities for your business through county procurement.

Sincerely,  
Sandy-Michael McDonald, Director  
Office of Economic and Small Business Development  
Cert Agency: BC-CBE  
ANNIVERSARY DATE: November 20th



# State of Florida

## Minority Business Certification

Justin Architects, P.A.

Is certified under the provisions of  
287 and 295.187, Florida Statutes, for a period from:  
05/31/2023 to 05/31/2025



J. Todd Inman  
Florida Department of Management Services



## **8 – Required Forms**

**FIRM ACKNOWLEDGEMENT**

Submit RFQ's to: Town Clerk's Office  
Town of Highland Beach  
3614 South Ocean Blvd.  
Highland Beach, FL 33487  
Telephone: 561-278-4548

RFQ Title: "CONTINUING PROFESSIONAL CONSULTING SERVICES (CCNA)"  
RFQ Number: 24-001

RFQ Due: January 10, 2024, NO LATER THAN 2:00 P.M. (LOCAL TIME)

Proposals will be publicly opened and recorded for acknowledgement of receipt, unless specified otherwise, on the date and time indicated above and may not be withdrawn within ninety (90) days after such date and time.

All Contracts entered as a result of this RFQ shall conform to applicable sections of the Town Charter and Town Code of Ordinances.

Name of Firm: Craig A. Smith & Associates, LLC

Federal I.D. Number: 86-3889398

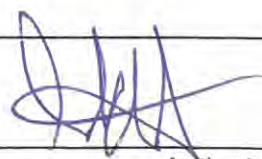
A Corporation of the State of Florida

Telephone No.: 561 314 4445

Mailing Address: 1425 E. Newport Center Drive

City / State / Zip: Deerfield Beach, FL 33442

Email Address: ssmith@craigasmith.com

  
\_\_\_\_\_  
Authorized Signature

**SERVICES TO BE CONSIDERED - PLEASE CHECK OFF EACH TO BE PROVIDED**

Civil Engineering

Water/Wastewater/Stormwater

Architecture

Landscape Architecture

Geotechnical

Transportation

Mechanical/Electrical/~~Plumbing~~

Other Services (Please list below)

Surveying and Mapping; Utility Locating

---

---

---

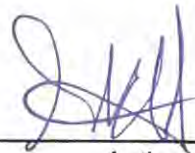
---

## CONFIRMATION OF DRUG-FREE WORKPLACE

Preference shall be given to businesses with drug-free workplace programs. In order to be considered having a drug-free workplace program, the Firm shall:

- 1) Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
- 2) Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
- 3) Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
- 4) In the statement specified in subsection (1), notify the employee that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
- 5) Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.
- 6) Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

**As the person authorized to sign the statement, I certify that this Firm complies fully with the above requirements.**



Authorized Signature

Stephen C. Smith, P.E., President

**PALM BEACH COUNTY INSPECTOR GENERAL**

**ACKNOWLEDGMENT**

The Firm is aware that the Inspector General of Palm Beach County has the authority to investigate and audit matters relating to the negotiation and performance of this contract, and in furtherance thereof may demand and obtain records and testimony from the Firm and its subcontractors and lower tier subcontractors.

The Firm understands and agrees that in addition to all other remedies and consequences provided by law, the failure of the Firm or its subcontractors or lower tier subcontractors to fully cooperate with the Inspector General when requested may be deemed by the Town to be a material breach of this contract justifying its termination.

Craig A. Smith & Associates, LLC

\_\_\_\_\_  
FIRM NAME

By: \_\_\_\_\_



Title: President

Date: January 10, 2024

**CERTIFICATION PURSUANT TO FLORIDA  
SECTION 287.135, FLORIDA STATUTES**

I, Stephen C. Smith, P.E., President, on behalf of Craig A. Smith & Associates, LLC certify  
Print Name and Title Company Name

That Craig A. Smith & Associates, LLC does not:  
Company Name

1. Participate in a boycott of Israel; and
2. Is not on the Scrutinized Companies that Boycott Israel List; and
3. Is not on the Scrutinized Companies with Activities in Sudan List; and
4. Is not on the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List; and
5. Has not engaged in business operations in Syria.

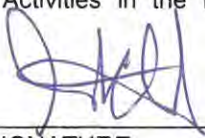
Submitting a false certification shall be deemed a material breach of contract. The Town shall provide notice, in writing, to the Contractor of the Town's determination concerning the false certification. The Contractor shall have ninety (90) days following receipt of the notice to respond in writing and demonstrate that the determination of false certification was made in error. If the Contractor does not demonstrate that the Town's determination of false, certification was made in error then the Town shall have the right to terminate the contract and seek civil remedies pursuant to Florida Statute § 287.135.

Section 287.135, Florida Statutes, prohibits the Town from: 1) Contracting with companies for goods or services in any amount if at the time of bidding on, submitting a proposal for, or entering into or renewing a contract if the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to Section 215.4725, F.S. or is engaged in a boycott of Israel; and

2) Contracting with companies, for goods or services over \$1,000,000.00 that are on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector list, created pursuant to s. 215.473, or are engaged in business operations in Syria.

As the person authorized to sign on behalf of the Contractor, I hereby certify that the company identified above in the section entitled "Contractor Name" does not participate in any boycott of Israel, is not listed on the Scrutinized Companies that Boycott Israel List, is not listed on either the Scrutinized Companies with activities in the Iran Petroleum Energy Sector List and is not engaged in business operations in Syria. I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject the company to civil penalties, attorney's fees, and/or costs. I further understand that any contract with the Town for goods or services may be terminated at the option of the Town if the company is found to have submitted a false certification or has been placed on the Scrutinized Companies with Activities in Sudan list or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List.

Craig A. Smith & Associates, LLC  
COMPANY NAME

  
SIGNATURE

Stephen C. Smith, P.E.  
PRINT NAME

President  
TITLE

**SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(A), FLORIDA  
STATUTES, ON PUBLIC ENTITY CRIMES**

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted to the Town of Highland Beach (the "Town") by:

Stephen C. Smith, P.E., President

*(Print individual's name and title)*

For: Craig A. Smith & Associates, LLC

*(Print name of entity submitting sworn statement)*

Whose business address is:

1425 E. Newport Center Drive, Deerfield Beach, FL 33442

And (if applicable) its Federal Employer Identification Number (FEIN) is: 86-3889398

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement:  
\_\_\_\_\_)

2. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), FLORIDA STATUTES, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), FLORIDA STATUTES, means a finding of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.

4. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), FLORIDA STATUTES, means:

a. A predecessor or successor of a person convicted of a public entity crime; or

b. an entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one (1) person of shares constituting a controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one (1) person controls another person.

A person who knowingly enters a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding thirty-six (36) months shall be considered an affiliate.

5. I understand that a "person" as defined in Paragraph 287.133(1)(e), FLORIDA STATUTES, means any natural person or entity organized under the laws of any state of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.



6. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement (indicate which statement applies).

Neither the entity submitting this sworn statement, nor any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

The entity submitting this sworn statement, or one (1) or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted Bidder list. (Attach a copy of the final order)

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICE FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH 1 ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER 31 OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

Date: January 10, 2024

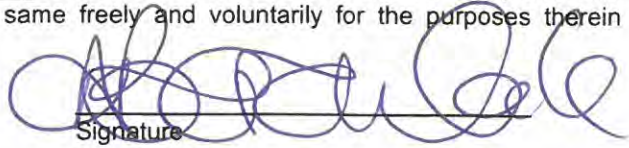
  
\_\_\_\_\_  
Signature  
Stephen C. Smith, P.E., President

STATE OF FLORIDA

COUNTY OF Broward

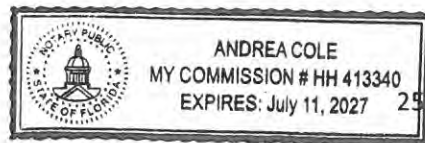
The foregoing instrument was acknowledged before me this 10th day of January, 2024, by, as Stephen C. Smith, P.E. (title) of President (name of company), on behalf of Craig A. Smith & Associates, LL (type of entity).

who is personally known to me, \_\_\_\_\_ who produced \_\_\_\_\_ as identification, who did take an oath, and who acknowledged before me that he executed the same freely and voluntarily for the purposes therein expressed.

  
\_\_\_\_\_  
Signature

Andrea Cole  
\_\_\_\_\_  
Print Name

NOTARY PUBLIC – STATE OF FL  
My Commission Expires: 7.11.27  
Commission No.: HH 413340



**ADDENDA ACKNOWLEDGEMENT**

TOWN OF HIGHLAND BEACH, FLORIDA

RFQ TITLE: **"CONTINUING PROFESSIONAL CONSULTING SERVICES (CCNA)"**

RFQ NO.: 24-001

DATE SUBMITTED: January 10, 2024

We propose and agree, if this submittal is accepted, to contract with the Town of Highland Beach, in the Contract Form, to furnish all material, means of transportation, coordination, labor and services necessary to complete/provide the work specified by the Contract documents.

Having studied the documents prepared by: The Town of Highland Beach

We propose to perform the work of this Project according to the Contract Documents and the following addenda which we have received:

ADDENDUM	DATE	ADDENDUM	DATE
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

**NO ADDENDUM WAS RECEIVED IN CONNECTION WITH THIS RFQ**

RFQ No.: 24-001  
**CONTINUING PROFESSIONAL CONSULTING SERVICES (CCNA)**  
**SCHEDULE OF SUB-CONSULTANTS**

The Undersigned Respondent proposes the following major subcontractors for the major areas of work for the Project. The Respondent is further notified that all sub-consultants shall be properly licensed, bondable and shall be required to furnish the Town with a Certificate of Insurance in accordance with the contract general conditions. This page may be reproduced for listing additional sub-consultants, if required. **If not applicable or if no-sub-consultants will be used in the performance of this work, please sign and date the from and write "Not-Applicable" or "NONE" across the form.**

<u>Name of Sub-Consultant</u>	<u>Address of Sub-Consultant</u>	<u>License No.:</u>	<u>Contract Amount</u>	<u>Percentage (% of Contract)</u>
RADISE International, LLC	4152 W. Blue Heron Blvd, 1114, Riviera Beach, FL 33404	52845	TBD	TBD
Smith Engineering Consultants, Inc.	2161 Palm Beach Lakes Blvd, Suite 312 West Palm Beach, FL 33409	P99000049883	TBD	TBD
Florida Technical Consultants	2240 Woolbright Road, Suite 400 Boynton Beach, FL 33426	L14000011037	TBD	TBD
Cotleur & Hearing	1934 Commerce Lane, Suite 1, Jupiter, FL 33458	L05000052285	TBD	TBD
Scalar Consulting Group	5713 Corporate Way, Suite 200 West Palm Beach, FL 33407	PE 67914	TBD	TBD
Justin Architects	2400 E. Commercial Blvd, Suite 201 Fort Lauderdale, FL 33308	AR91592	TBD	TBD

Signature 

Date: January 10, 2024

Title/Company Stephen C. Smith, P.E., President

Owner reserves the right to reject any sub-consultant who has previously failed in the proper performance of an award, or failed to deliver on time contracts in a similar nature, or who is not responsible (financial capability, lack of resources, etc.) to perform under this award. Owner reserves the right to inspect all facilities of any sub-consultant in order to make a determination as to the foregoing.

## **9 - Licenses/Insurance**



# State of Florida Department of State

I certify from the records of this office that CRAIG A. SMITH & ASSOCIATES, LLC is a limited liability company organized under the laws of the State of Florida, filed on May 13, 2021.

The document number of this limited liability company is L21000210726.

I further certify that said limited liability company has paid all fees due this office through December 31, 2023, that its most recent annual report was filed on January 19, 2023, and that its status is active.

Given under my hand and the Great Seal of the State of Florida at Tallahassee, the Capital, this the Nineteenth day of January, 2023



*[Signature]*  
Secretary of State

Tracking Number: 37636198JCC  
To authenticate this certificate, visit the following site, enter this number, and then follow the instruction displayed.  
<http://services.usable.com/Filings-CertificateOfStatus-CertificateAuthentication>



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2105 Apalachee Parkway Tallahassee, Florida 32309-6500  
RRB01191 3435-7352 fax (904) 488-2221

February 2, 2023

CRAIG A. SMITH & ASSOCIATES, LLC  
2104F COMMERCIAL TRL  
BOCA RATON, FL 33486-1006

SUBJECT: Professional Surveyor and Mapper Business Certificate # LB3110

Your application for renewal of a professional surveyor and mapper business as required by Chapter 472, Florida Statutes, has been received and processed.

The license expires below and is valid through February 28, 2025.

You are required to keep your information with the Board current. Please visit our website at [www.flhelpfla.com](http://www.flhelpfla.com) to create your online account. If you have already created your online account, you can update the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 904-488-7352 or 800-488-2221.

Dear Sir:



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2105 Apalachee Parkway Tallahassee, Florida 32309-6500

License No. LB3110

Expiration Date: February 28, 2025

### Professional Surveyor and Mapper Business License

Under the provisions of Chapter 472, Florida Statutes

CRAIG A. SMITH & ASSOCIATES, LLC  
2104F COMMERCIAL TRL  
BOCA RATON, FL 33486-1006

*[Signature]*  
WILTON SIMPSON  
COMMISSIONER OF AGRICULTURE

It is the policy of the Department of Agriculture and Consumer Services to make all information available to the public. If you have any questions, please call the Division of Consumer Services at 904-488-7352.

Ron DeSantis, Governor



STATE OF FLORIDA




BOARD OF PROFESSIONAL ENGINEERS  
THE ENGINEERING BUSINESS HEREIN IS AUTHORIZED UNDER THE PROVISIONS OF CHAPTER 1, F.D.C.S. STATUTES

**CRAIG A. SMITH & ASSOCIATES, LLC.**  
2104F COMMERCIAL TRAIL  
BOCA RATON, FL 33486


LICENSE NUMBER 38973

Always verify licenses online at [MyFloridaLicense.com](http://MyFloridaLicense.com)

Do not alter this document in any form.  
This is your license. It is unlawful for anyone other than the licensee to use this document.



Florida Department of Agriculture and Consumer Services  
Division of Consumer Services



BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS  
APPLICATION FOR CERTIFICATE OF AUTHORIZATION

Chapter 472, Florida Statutes

Note: All documents and enclosures submitted with this application are subject to public review pursuant to Chapter 119, F.S.

Meeting Address:  
Florida Department of Agriculture and Consumer Services  
2105 Apalachee Parkway  
Tallahassee, FL 32309-6700  
[www.flhelpfla.com](http://www.flhelpfla.com)  
1-800-9813-FLA  
(904)-7352, FL Only  
110-488-2221 Calling Outside Florida  
Fax 904-410-1804

ADDITIONAL INFORMATION

License No: LB3110

BUSINESS INFORMATION

Business Name: CRAIG A. SMITH & ASSOCIATES, LLC  
FEIN:  
Business Address: 2104F COMMERCIAL TRL  
BOCA RATON, Florida, 33486-1006  
Mailing Address: 2104F COMMERCIAL TRL  
BOCA RATON, Florida, 33486-1006  
Email address: [ncsl@cragsmith.com](mailto:ncsl@cragsmith.com)  
Website: [www.cragsmith.com](http://www.cragsmith.com)  
Business Phone: 861-314-4448  
Fax: 861-314-4458

PRINCIPAL OFFICERS

1. License Number:	LS4846
Name:	KEENER, ROBERT D
Address:	960 SE ATLANTUS AVE
City State Zip:	FORT PIERCE, FL 34983-3906
Address Type:	HOME
2. License Number:	LS4846
Name:	KEENER, ROBERT D
Address:	960 SE ATLANTUS AVE
City State Zip:	FORT PIERCE, FL 34983-3906
Address Type:	HOME

BRANCH OFFICES

AUTHORIZATION

I affirm that I have provided the above information completely and truthfully to the best of my knowledge. (X)

Ron DeSantis, Governor  
Melanie S. Griffin, Secretary

STATE OF FLORIDA

FBPE  
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

BOARD OF PROFESSIONAL ENGINEERS  
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**SMITH, STEPHEN CRAIG**  
9960 MAJORCA PLACE  
BOCA RATON FL 33434-0000

LICENSE NUMBER: PE40914  
EXPIRATION DATE: FEBRUARY 28, 2025  
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.  
This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor  
Melanie S. Griffin, Secretary

STATE OF FLORIDA

FBPE  
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

BOARD OF PROFESSIONAL ENGINEERS  
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**RUBIO, ORLANDO ALBERTO**  
7281 BRIELLA DR  
BOYNTON BEACH FL 33437

LICENSE NUMBER: PE40265  
EXPIRATION DATE: FEBRUARY 28, 2025  
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.  
This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor  
Melanie S. Griffin, Secretary

STATE OF FLORIDA

FBPE  
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

BOARD OF PROFESSIONAL ENGINEERS  
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**VILAR, FRANK**  
21045 COMMERCIAL TRAIL  
BOCA RATON FL 33486

LICENSE NUMBER: PES6459  
EXPIRATION DATE: FEBRUARY 28, 2025  
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.  
This is your license. It is unlawful for anyone other than the licensee to use this document.

Ron DeSantis, Governor  
Melanie S. Griffin, Secretary

STATE OF FLORIDA

FBPE  
FLORIDA BOARD OF PROFESSIONAL ENGINEERS

BOARD OF PROFESSIONAL ENGINEERS  
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

**SHONK, DANIEL EUGENE**  
9500 126-B SW 3RD STREET  
BOCA RATON FL 33428

LICENSE NUMBER: PE90263  
EXPIRATION DATE: FEBRUARY 28, 2025  
Always verify licenses online at MyFloridaLicense.com

Do not alter this document in any form.  
This is your license. It is unlawful for anyone other than the licensee to use this document.

Florida Department of Agriculture and Consumer Services  
Division of Consumer Services  
Board of Professional Surveyors and Mappers  
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS4846**  
Expiration Date: February 28, 2023

**Professional Surveyor and Mapper License**  
Under the provisions of Chapter 472, Florida Statutes

**ROBERT D KEENER**  
950 SE ATLANTUS AVE  
FORT PIERCE, FL 34983-3906

*Nicole Fried*  
NICOLE "NIKKI" FRIED  
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statute.

Detach Here

**Receipt of Payment**

DTN	Name	Fee
3715558	WILLIAM DELANEY KALBACH	\$255.00
	Convenience Fees	\$6.38
		<b>Total: \$261.38</b>

Mailing Address:  
FDACS - DIVISION OF CONSUMER SERVICES  
BOARD OF PROFESSIONAL SURVEYORS AND MAPPERS  
2005 APALACHEE PKWY  
TALLAHASSEE FL 32399-6500

Fax Number: 850-410-3804  
Phone Number: 1-800-HELP-FLA (435-7352) within Florida, 850-410-3800 outside Florida

State of Florida  
Department of Environmental Protection

ISSUED: 04/20/2023

LICENSE NO.: 0005083

THE CLASS A DRINKING WATER TREATMENT OPERATOR NAMED BELOW IS  
LICENSED UNDER THE PROVISIONS OF CHAPTER 403, FLORIDA STATUTES.

VALID UNTIL: 04/30/2025

TODD V. LARSON

RON DESANTIS

SHAWN HAMILTON

GOVERNOR

DISPLAY IS REQUIRED BY LAW

SECRETARY

State of Florida  
Department of Environmental Protection

ISSUED: 04/20/2023

LICENSE NO.: 0006341

THE CLASS B WASTEWATER TREATMENT OPERATOR NAMED BELOW IS  
LICENSED UNDER THE PROVISIONS OF CHAPTER 403, FLORIDA STATUTES.

VALID UNTIL: 04/30/2025

TODD V. LARSON

RON DESANTIS

SHAWN HAMILTON

GOVERNOR

DISPLAY IS REQUIRED BY LAW

SECRETARY



CERTIFICATE

David Lookabill

SAJ-08-23-00012

has completed the Corps of Engineers and Naval Facilities Engineering Command Training Course

CONSTRUCTION QUALITY MANAGEMENT FOR CONTRACTORS

EAA Area Office,  
Wellington, Florida

30 June 2023

Jacksonville District

Mark C. Waddell, Civil Engineer SAJ

Location

Training Date(s)

Instructional District/ NAVFAC

CQM-C Manager

Juan Sanchez Buitrago, P.E., PMP  
Facilitator/Instructor

juan.sanchez.buitrago@usace.army.mil  
Instructor's Email

561-308-8878  
Telephone

Facilitator/Instructor Signature

THIS CERTIFICATE EXPIRES FIVE YEARS FROM DATE OF ISSUE

Chief, Construction Division SAJ  
Jim Jeffords, P.E.

DroneLicensing



**FAA**  
Aviation Safety

## Certificate of Achievement

This is to certify that  
**David Wayne Lookabill**  
has successfully completed the  
FAA Safety Team Aviation Learning Center Online  
Course  
**Part 107 Small Uas Recurrent**  
Course Number ALC-677  
Presented by FAAS Team  
**May 11, 2023**  
Certificate Number 1424835-20230511-00677

*Patricia Mathes*  
Patricia Mathes, Manager, National FAA Safety Team

**I UNITED STATES OF AMERICA XI**  
DEPARTMENT OF TRANSPORTATION • FEDERAL AVIATION ADMINISTRATION

**IV NAME**  
DAVID WAYNE LOOKABILL


**V ADDRESS** [REDACTED]

**VI NATIONALITY** [REDACTED] **SEX** [REDACTED] **HEIGHT** [REDACTED] **WEIGHT** [REDACTED] **HAIR** [REDACTED] **EYES** [REDACTED]

**IVa D.O.B.** [REDACTED]

**IX HAS BEEN FOUND PROPERLY QUALIFIED TO EXERCISE THE PRIVILEGES OF**  
**II REMOTE PILOT**  
**III CERTIFICATE NUMBER 4517906**  
**X DATE OF ISSUE 20 MAY 2021**

**XIV** *Steve Dahn*  
**VIII ADMINISTRATOR**







*Florida Department of Transportation*

RON DESANTIS  
GOVERNOR

605 Suwannee Street  
Tallahassee, FL 32399-0450

JARED W. PERDUE, P.E.  
SECRETARY

November 15, 2023

Aneesh Goly, Principal  
CRAIG A. SMITH & ASSOCIATES, LLC  
4152 West Blue Heron Boulevard, Suite 116  
Riviera Beach, Florida 33404

Dear Mr. Goly:

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 3 - Highway Design - Roadway
  - 3.1 - Minor Highway Design
- Group 7 - Traffic Operations Design
  - 7.1 - Signing, Pavement Marking and Channelization
- Group 8 - Survey and Mapping
  - 8.1 - Control Surveying
  - 8.2 - Design, Right of Way & Construction Surveying
  - 8.4 - Right of Way Mapping

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 15, 2024 for contracting purposes.

\*Limit for FDOT projects only

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

Sincerely,

A handwritten signature in blue ink that reads "Carliayn Kell".

Carliayn Kell  
Professional Services  
Qualification Administrator

CBHK/kw



CRAIASM-03

KKENNEDY

## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/2/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER CAL Risk Management 23 Eganfuskee Street Suite 102 Jupiter, FL 33477	CONTACT NAME: <b>Diane Traynor</b>	
	PHONE (A/C, No, Ext): <b>(561) 776-9001</b>	FAX (A/C, No): <b>(561) 427-6730</b>
E-MAIL ADDRESS: <b>Dtraynor@callc.com</b>		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A : <b>Travelers Indemnity Co. of America</b>		<b>25666</b>
INSURER B : <b>Travelers Property Casualty Co. of America</b>		<b>25674</b>
INSURER C : <b>Travelers Casualty and Surety Company of America</b>		<b>11223</b>
INSURER D : <b>Aspen American Insurance Company</b>		<b>43460</b>
INSURER E :		
INSURER F :		

INSURED  
**Craig A. Smith & Associates LLC**  
1425 E Newport Center Dr  
Deerfield Beach, FL 33442

COVERAGES CERTIFICATE NUMBER: REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	X	X	6606S217911	7/30/2023	7/30/2024	EACH OCCURRENCE \$ <b>1,000,000</b> DAMAGE TO RENTED PREMISES (Ea occurrence) \$ <b>1,000,000</b> MED EXP (Any one person) \$ <b>5,000</b> PERSONAL & ADV INJURY \$ <b>1,000,000</b> GENERAL AGGREGATE \$ <b>2,000,000</b> PRODUCTS - COMP/OP AGG \$ <b>2,000,000</b>
GEN'L AGGREGATE LIMIT APPLIES PER: POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER: <b>Subject to \$2,000,000 Cap</b>							
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			8106W5530882343G	4/27/2023	4/27/2024	COMBINED SINGLE LIMIT (Ea accident) \$ <b>1,000,000</b> BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ <b>10,000</b>			CUP6S2187112347	7/30/2023	7/30/2024	EACH OCCURRENCE \$ <b>5,000,000</b> AGGREGATE \$ <b>5,000,000</b>
C	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	UB4S881501	7/30/2023	7/30/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ <b>1,000,000</b> E.L. DISEASE - EA EMPLOYEE \$ <b>1,000,000</b> E.L. DISEASE - POLICY LIMIT \$ <b>1,000,000</b>
D	<input checked="" type="checkbox"/> Equipment Floater			IM00P7D23	10/29/2023	10/29/2024	Leased/Rented <b>100,000</b>

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Certificate holder is included as additional insured for General Liability & Auto Liability when required by written contract. General Liability and Auto Liability are primary and non-contributory for the certificate holder when required by written contract. Waiver or subrogation applies to General Liability, Auto Liability and Employers Liability when required by written contract. Umbrella covers over General Liability and Workers Compensations policies. Cancellation 30-days' notice of cancellation applies except 10-days for non-payment of premium per policy terms and conditions.

## CERTIFICATE HOLDER

## CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

# CONTACT

**Stephen C. Smith, P.E.**  
**President**

(561) 314-4445

ssmith@craigasmith.com

**Responsible Office:**  
**CRAIG A. SMITH & ASSOCIATES**

1425 E. Newport Center Drive

Deerfield Beach, FL 33442

(561) 314-4445

