

A TRADITION OF INNOVATIVE ENGINEERING

# CIVILSURV



RFQ NO. 2022-05

## CONTINUING PROFESSIONAL ENGINEERING SERVICES

DUE: NOVEMBER 23, 2022 @ 12:00PM

CONTACT PERSON:  
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## TAB 2: TRANSMITTAL LETTER



The **CivilSurv Team** is pleased to submit our qualifications for the above referenced request for qualifications to provide services for Kenneth City. We have assembled a diverse, experienced, and responsive Team that is a perfect match for the scope of services by combining the strengths of **proven performers** for the Town of Kenneth City (Town). You can be confident that we understand budget challenges, grant funding requirements, regulatory uncertainties, and the desire to provide environmentally-sound solutions. Our Team sincerely desires to serve and assist the Town through small or large projects, and we have the team to perform both. We desire to leave a regional legacy that will ensure sustainable and controlled growth for years to come. Our two primary focuses are civil engineering for roads and drainage and surveying, which make us a perfect fit. We also work almost exclusively for municipal/government organizations and regional utilities groups such as FPL, Duke, Seminole Electric, TECO, or similar regional utilities. We will always be there as your trusted ally for maintaining and anticipating your infrastructure and facilities' needs.

**CivilSurv Design Group, Inc.** (CivilSurv), headquartered in Central Florida with offices and staff in the Treasure Coast, has served the area since 1980 and fully understands the Town's needs. We have local experience in the communities that surround the area and have anticipated the potential to serve when we had the opportunity. Our veteran staff of professional engineers, urban planners, and surveyors and mappers have provided a wide range of services for many of the region's largest projects, yet we remain small enough that our principals continue active involvement with our clients. **Innovative, nimble, and responsive** are adjectives we believe best describe our Team and leadership.

As part of a General Consulting Contract, **CivilSurv** routinely provides services from miscellaneous consultations to studies, design development, and complete construction oversight. Our experience includes but is not limited to the following:

- Civil Engineering
- Stormwater Engineering and Modeling, including Quality
- Water Quality and System Design
- Utility Location/ Vacuum Excavation
- LiDAR
- Storm Drainage
- Construction Management
- Construction Administration, Engineering or Inspection
- Drafting/CAD Services
- Preparation of Plans and Specifications for New Construction
- General Land and Topographic Surveys
- Mapping
- Trail and Sidewalk Design
- Traffic and Lighting Designs and Studies
- Layouts and Designs for Transportation, Water, Sanitary, Storm Sewer or other Construction Projects

**As the Prime Consultant, CivilSurv** will contract directly with the Town and be responsible for the overall management of our Team. We will take the lead on studies (including master plan updates), planning and design of water, wastewater, and/or reclaimed water conveyance and treatment systems, and utility evaluations and acquisitions. We will provide support staff for all assignments requiring civil/site design, surveying and mapping, subsurface utility engineering, construction inspection, and public involvement.

We chose **PGA** as our team partner bringing complementary skill sets and technical expertise especially related to Landscape Architecture and Structural for drainage. **PGA** will also support us in Environmental Science permitting, such as wetland mitigation. **MES Group** is also included for Electrical Engineering when required for Lighting/Signalization Design. Our combined pool of skills assures we are assigning the best resources in the most appropriate positions. **We will truly function as a Team and not just in a prime/sub-consultant relationship, as we have a long-term working relationship with each teammate.**

## TAB 2: TRANSMITTAL LETTER



Our Team is rounded out with the addition of **AREHNA Engineering Group** for Geotechnical Engineering needs. AREHNA is a geotechnical engineering and materials testing firm with offices in Tampa, Coral Springs, and Orlando. They are an FDOT-certified SBE and WBE firm. CivilSurv regularly teams with AREHNA throughout the area and beyond. Using our combined experience, we can assure you that our communication with the Town will be both effective and effortless. **Our leadership team of Craig Fuller, PE, Mark Frederick, PE, ENV SP, CFM, PMP, and John Howle, PE** are accomplished industry veterans and will ensure that our Team functions as a cohesive unit for seamless service to the Town. This is still a “people business,” and we have brought the best people forward to lead our team.

The organization chart included in Tab 3 of this proposal illustrates that we have all of the in-house, multi-disciplinary capabilities identified in your request for qualifications. These and other seasoned professionals from CivilSurv, PGA, MES, and AREHNA form **a Team with an unparalleled depth of resources and experience** and the “bench strength” necessary to meet aggressive schedules. We have the staff experience needed to address any of your needs.

Our Team has selected examples of assignments of similar size and scope to the proposed contract being solicited by Kenneth City. The diversity of project assignments and the confidence in the **Team**, as illustrated by the long-term working relationships with these and many other local government clients, establish that we are staffed with top-quality, dependable, focused professionals that are committed to serving the Town for many years.

In closing, the **CivilSurv Team** can provide Kenneth City with the experience, expertise, resources, flexibility, and responsiveness required to surpass the goals established for successful and efficient completion of projects assigned under this contract. Our Team is committed to providing the Town with outstanding and highly personalized customer service with a sincere and effective commitment to the community.

As we present our qualifications, this response remains in effect for three hundred sixty-five (365) days. On behalf of CivilSurv Design Group, Inc., Mrs. Denell Mock-Harrell is our Contracting Agent.

Respectfully submitted,

***Craig R. Fuller, President and Authorized Individual***

CivilSurv Design Group, Inc.  
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## COMPANY INFORMATION

CivilSurv Design Group, Inc. (CivilSurv) is one of Central Florida’s premier local firms with corporate roots dating to 1980. We seek this opportunity to build a successful relationship with the Town, as we are working in the majority of municipalities in proximity to Kenneth City. We currently employ 38 full-time employees with offices in Lakeland, Vero Beach, Sebring, and Port St. Lucie. We have provided Engineering and Land Surveying & Mapping services as CivilSurv from our headquarters office in Lakeland, Florida at 2525 Drane Field Road, Suite 7 since 2010 (12 years), with prior work going back to 1980. Craig Fuller, PE is CivilSurv’s President and Contract Manager for this contract; John Howle, PE is our VP of Engineering/Treasurer and will serve as Principal-in-Charge and Traffic Lead; Mark Frederick, PE, ENV SP, CFM, PMP, our VP of Civil Engineering, will serve as Lead Civil/Stormwater; and Ken Glass, PSM, CivilSurv’s VP of Surveying & Mapping/Secretary, will serve as Lead Surveyor for this contract. Tim Morris, PSM, is Director of Surveying Technology and will lead the high-tech aspects of surveying, including UAS, SUE, and LiDAR. We are a successor corporation (originally Keith & Schnars) incorporated in the State of Florida since February 10, 2010. We will perform all work for this contract from our home office in Lakeland. Our website can be reached at [www.civilsurv.com](http://www.civilsurv.com).



Craig Fuller, PE is CivilSurv’s President and Contract Manager for this contract; John Howle, PE is our VP of Engineering/Treasurer and will serve as Principal-in-Charge and Traffic Lead; Mark Frederick, PE, ENV SP, CFM, PMP, our VP of Civil Engineering, will serve as Lead Civil/Stormwater; and Ken Glass, PSM, CivilSurv’s VP of Surveying & Mapping/Secretary, will serve as Lead Surveyor for this contract. Tim Morris, PSM, is Director of Surveying Technology and will lead the high-tech aspects of surveying, including UAS, SUE, and LiDAR. We are a successor corporation (originally Keith & Schnars) incorporated in the State of Florida since February 10, 2010. We will perform all work for this contract from our home office in Lakeland. Our website can be reached at [www.civilsurv.com](http://www.civilsurv.com).

As a licensed Engineering and Surveying firm, CivilSurv is a Water Management District and City of St. Petersburg Certified Small Business Enterprise. As Municipal Engineering and Surveying is our core discipline, CivilSurv was purposefully created to service City and County infrastructure projects. Here are our specific qualifications:

- Water Treatment & Pumping
- Civil Engineering
- Stormwater Engineering and Modeling, including Quality
- Water Quality and System Design
- Reclaimed Water
- Sewer Treatment and Collection
- Utility Location/ Vacuum Excavation
- LiDAR
- Storm Drainage
- Construction Management
- Construction Administration, Engineering or Inspection
- Drafting/CAD Services
- Preparation of Plans and Specifications for New Construction
- General Land and Topographic Surveys
- Mapping
- Trail and Sidewalk Design
- Traffic and Lighting Studies
- Layouts for Transportation, Water, Sanitary, Storm Sewer or other Construction Projects

Craig Fuller, PE is CivilSurv’s President and Contract Manager for this contract; John Howle, PE is our VP of Engineering and will serve as Principal-in-Charge and Traffic Lead; Mark Frederick, PE, ENV SP, CFM, PMP, our VP of Civil Engineering, will serve as Lead Civil/Stormwater; and Ken Glass, PSM, CivilSurv’s VP of Surveying & Mapping, will serve as Lead Surveyor for this contract. Tim Morris, PSM, is Director of Surveying Technology and will lead the high-tech aspects of surveying, including UAS, SUE, and LiDAR. We are a successor corporation (originally Keith & Schnars) incorporated in the State of Florida since February 10, 2010. We will perform work for this contract based from our headquarters office in Lakeland.

## TAB 3: QUALIFICATIONS OF FIRM



Name	Address	Phone	Fax	E-Mail
Craig Fuller, PE	2525 Drane Field Rd., Ste 7 Lakeland, FL 33811	863-646-4771 ext. 243	863-646-3378	<a href="mailto:cfuller@civilsurv.com">cfuller@civilsurv.com</a>
Mark Frederick, PE, ENV SP, CFM, PMP	2525 Drane Field Rd., Ste 7 Lakeland, FL 33811	863-646-4771 ext. 214	863-646-3378	<a href="mailto:mfrederick@civilsurv.com">mfrederick@civilsurv.com</a>
John Howle, PE	2525 Drane Field Rd., Ste 7 Lakeland, FL 33811	863-646-4771 ext. 242	863-646-3378	<a href="mailto:jhowle@civilsurv.com">jhowle@civilsurv.com</a>
Kenneth Glass, PSM	2525 Drane Field Rd., Ste 7 Lakeland, FL 33811	863-646-4771 ext. 241	863-646-3378	<a href="mailto:kglass@civilsurv.com">kglass@civilsurv.com</a>
Timothy Morris, PSM	2525 Drane Field Rd., Ste 7 Lakeland, FL 33811	863-646-4771 ext. 229	863-646-3378	<a href="mailto:tmorris@civilsurv.com">tmorris@civilsurv.com</a>

We have close working relationships with local cities around Kenneth City, Regional Planning Councils, the Southwest Florida Water Management District, Florida Department of Environmental Protection, and the Florida Department of Transportation. Our primary clients are governmental organizations and we tailor our experience to each. While we typically generate all “digital” signed and sealed documents, we also make hard copies and other files transferrable to the Owners at completion. We typically define a schedule and meetings to review the project, define items and specific suppliers that are “standard” to the specific owner, and define preferable locations for improvements. As an example of working with a client to know their preferences, we work with Indian Rocks Beach, Polk County Utilities/Land Development, Polk City, Frostproof and West Melbourne to review designs to confirm they match standards for both the municipality and State standards. We also know that the Polk County roads and drainage division prefers their roads to be HDD drilled or jack and bored underneath but, if that can’t be accomplished, they prefer the use of flowable fill and mill and resurface 50 feet outside of the trench rather than reconstruction with similar materials. We also know that the City of Lakeland prefers to make all of their own tie-ins to “live” water mains, but Polk County, Frostproof, and Polk City does not. Polk County prefers to observe the majority of construction but the City of Lakeland prefers to self-perform – if the size is small enough. Additionally, Indian Rocks Beach typically replaces curbs and base material when repaving to extend the life of the repaving. During this, they typically utilize asphalt for structural base, to minimize subsurface water effects on the roadway structure.

*We are looking forward to learning the preferences of the Town and are confident we can meet your needs.*

Engineering and surveying services for governmental entities and municipalities are the primary focus of our firm. Our personnel are accomplished in a wide variety of public facility improvement projects. We have designed, permitted, and provided oversight for the construction of infrastructure improvements throughout the State of Florida. Our typical governmental client is one that is cost-conscious and cost-conservative in terms of the fees that are paid for design services. Typically, the clients we work with want to see that any investment of their resources achieves the highest rate of return back to the customer base. This is done by ensuring that design fees paid are reasonable but also by ensuring that final construction documents are thorough and comprehensive. Our clientele typically calls on us to confirm that the project concept represents the most effective solution to resolving the infrastructure issue being considered. As part of a general consulting contract, the CivilSurv Team routinely provides services ranging from miscellaneous consultations to studies, design development, and complete construction oversight.



## OUR PROVEN PAST PERFORMANCE

We will manage our resources to utilize the budget in the most effective and efficient manner. We will also assure the appropriate, qualified staff is used for each project to eliminate excessive labor cost, while supporting the Town's objectives. In addition to controlling our costs, the greatest effect we can have on the project budget is to control the construction costs. Costs can be contained through proactively managing the construction contract. Our team is committed to completing a quality project resolution to issues and little to no claims. We strive on settling issues at the lowest level; resolving problems in a fair, cost-effective, and expeditious manner. We believe our ability to partner with the contractor and Owner and solve problems in a fair and professional manner is the key to completing a project on time, under budget and with zero claims. CivilSurv will ensure that there is a detailed and realistic schedule for each project. Our staff will thoroughly analyze the baseline schedule prior to acceptance to assure that there are no obvious claim opportunities. Projects are specifically within Tab 4 of this proposal.

## UNIQUE AWARDS

Our work on complex Public Works projects has been recognized for excellence with two recent awards in the prior year:

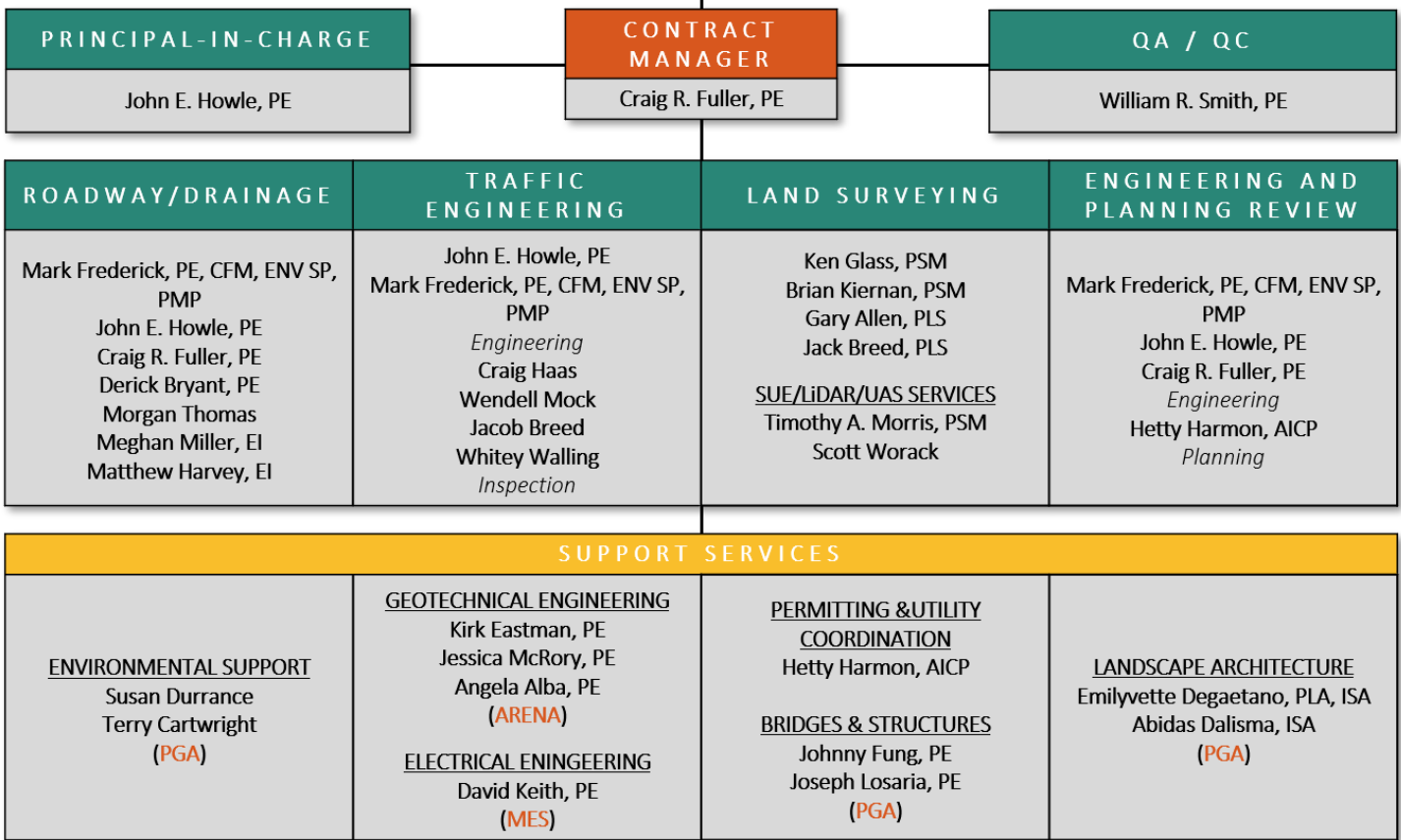
- ASCE Project of the Year 2022 – Lakeland Park Drive Extension
- APWA Consultant of the Year 2021 (awarded 3/2/22 for Indian Rocks Beach projects)
- FES Project of the Year, Lake Parker Outfall Immediate Maintenance Project
- ASCE Project of the Year, US17 / Circle Drive Streetscapes
- ASCE Project of the Year, Griffin Road Stormwater Treatment System
- ASCE Project of the Year, Joker Marchant Stadium Renovations (Detroit Tigers Spring Training Stadium)
- APWA Project of the Year, Parker Street Beautification.

Lakeland Park Drive was a roadway design project through a difficult area that included trails, lighting, significant modification to utilities with coordination, and a large amount of sheet pile and MSE walls to minimize impacts to existing wetlands. The APWA award is for NPDES/MS4 support, stormwater design and master planning, and CEI assistance for the City of Indian Rocks Beach.

**TAB 4:  
FIRM & KEY PERSONNEL EXPERIENCE**



**ORGANIZATIONAL CHART**



**FOR REFERENCE:**  
 (PGA) – Patel, Greene and Associates  
 (AREHNA) – AREHNA Engineering  
 (MES) – MES Group

All personnel are with CivilSurv Design Group, Inc. unless otherwise noted.





## SUBCONSULTANTS



**Patel, Greene & Associates, LLC (PGA)** is a leading transportation design and planning (MBE/DBE) firm that was founded in 2011. A registered DBE, PGA provides transportation engineering solutions for the Florida Department of Transportation (FDOT), municipalities, and other agencies throughout Florida. They are a leader in innovative roadway, drainage, structures, and traffic engineering, as well as environmental, planning, landscape architecture, and construction services. They take great pride in providing their clients with the most cost-effective, practical, and performance-based engineering solutions that fit the needs and the budget of the project. The firm has managed, designed, and reviewed hundreds of projects ranging from sidewalks to resurfacings and from widenings to multi-level interchanges, as well as new alignments.

PGA's philosophy has always been simple: provide the best customer service and highest quality work to its clients. Its staff strives to show their core values of integrity, commitment, and excellence in every interaction and deliverable they produce. Today, PGA employs more than 100 staff across their Central Florida offices in Tampa, Bartow, Sarasota, and Orlando. The firm's success has allowed them to steadily grow, continuing to add experienced personnel and expand their service offerings.



### AREHNA | Engineering, Inc.

**AREHNA Engineering, Inc.** is a geotechnical engineering and materials testing firm with an experienced staff of engineers, who work closely with clients and project design teams, carefully consider project information, and provide the most cost-effective solutions to the challenges faced on each project. They are familiar with the geologic

conditions in and around Loxahatchee Grove and have extensive experience designing stabilization programs both pre and post construction. AREHNA has successfully provided geotechnical engineering services on contracts for a variety of public and private sector clients. Project experience includes roadway improvements, complete streets, water, wastewater, stormwater and drainage, bridge replacements, parks and trails, safety and bike and pedestrian improvements, projects for Palm Beach County, FDOT, FDEP, SWFWMD, as well as other Counties and Cities throughout the State.

AREHNA, prequalified in FDOT Work Groups: 9.1, 9.2, 9.3, 9.4.1, 9.4.2, 9.5 and 10.3, has a full service geotechnical and construction materials testing laboratory, which is AASHTO accredited, USACE validated and FDOT approved. AREHNA's in-house drilling and coring capabilities gives them control of their schedule and the ability to meet the most aggressive project schedules. AREHNA is a State of Florida Certified Minority Business Enterprise (MBE) and Disadvantage Business Enterprise DBE and SBE with the FDOT.



**MES Group** is a full-service engineering firm based in Tampa, Florida with a commitment to excellence and a passion for involvement in significant and challenging projects. We are a recognized market leader providing comprehensive services that meet the highest standards of quality, service, innovation, and integrity. Our project history has demonstrated success with all building types and systems for new projects, additions, renovations, repairs, and upgrades. The key staff members at MES Group have over 100 years combined experience with design and engineering of building systems for private and public

sector clients. MES lives and works in this unique environment and has developed energy efficient solutions that provide both comfort and cost savings in building design, engineering, and construction.

Mr. Fuller manages and designs water and wastewater projects including but not limited to water supply, wastewater collection and treatment, reclaimed water reuse, and hydraulic modeling. Mr. Fuller has over 20 years of engineering and project management experience encompassing hydraulics, water and wastewater facilities, reclaimed water planning, design, permitting, and construction services. Typical project experience includes the following projects:

### Project Experience

**Contract Manager | Stormwater Master Plan Update | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2021 to Present | \$126,490:** This project involved the preparation of a comprehensive Stormwater Master Plan for the City, tailored to comply with recent legislation. The project involved coordination with Pinellas County to ensure conformance with County and FDEP guidelines for specific items to be included or addressed in the plan. Topographic survey data and photographs were collected at all known manhole and inlet locations to facilitate the preparation of a citywide H&H model to simulate existing stormwater conditions. Based on an evaluation of the existing stormwater conditions H&H model results, conceptual stormwater improvements projects were identified.

**Principal-in-Charge | Webster Turn Drive Reconstruction & Rehabilitation | Sebring Airport Authority | Sebring, Florida | 2021 to Present | \$132,546:** This project involved the design for reconstruction and, in certain areas, repair of existing pavement along the 0.7-mile 2-lane rural roadway section within the airport district. Existing stormwater pipes crossing under Webster Turn Drive were evaluated for rehabilitation or replacement needs. Services included utility coordination, SWFWMD Environmental Resource Permit modification, and bid phase assistance.

**Contract Manager | Memorial Drive Multi-Use Trail | Highlands County Board of County Commissioners | Sebring, Florida | 2020 to Present | \$150,000:** This project involved the design of 1.4-miles of a new 10-foot-wide multi-use trail within the existing Memorial Drive right of way. The multi-use trail connects with an existing multi-use trail at Pompano Drive and existing sidewalk at Sebring Parkway. The project was performed under a Local Agency Program (LAP) project agreement between FDOT and Highlands County. Responsibilities included construction document preparation and task management.

**Project Manager & QA/QC Reviewer | West Lake Jackson Stormwater Improvements | City of Sebring | Sebring, Florida | 2020 to Present | \$1,673,864:** This project involved the evaluation of existing drainage infrastructure at 28 outfall locations, existing sanitary sewer, and pavement along approximately 2.7-miles of SW Lakeview Drive. The existing drainage system was generally found to be substandard and conceptual improvements were proposed. Detailed engineering design as completed based on the recommended conceptual improvements. A significant component of this retrofit project includes the addition of water quality treatment of stormwater prior to discharging to Lake Jackson. The existing wastewater system deficiencies included inflow and infiltration issues that were, in many cases, evident in the pavement surrounding manholes. Designed improvements to the wastewater system and roadway were also included as part of the project. This project involved funding coordination for the State Revolving Fund (SRF) loan through the Florida Department of Environmental Protection (FDEP). Due to the size of the project, a phased approach was implemented.

**Project Manager | NPDES Permitting and Coordination | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2019 to Present | \$8,000 annually:** Responsible for leading the



### Expertise

- Design and Construction of Water and Wastewater Improvements, Process Optimization, Hydraulic Modeling
- Organizational Leadership

### Education

- BS / Chemical Engineering / Florida Institute of Technology

### Licenses / Certifications

- Professional Engineer in FL #65605

### Specialized Training

- Hydraulic Modeler – Haestad Methods/Bentley WaterGEMS
- Biological Modeler - BioWin

### Affiliations

- Florida Water Environment Association, Wastewater Treatment Process Committee (2011 – Present)
- City of Winter Haven Planning Commission (2011 – Present)
- City of Winter Haven Multimodal Transportation Advisory Commission (2013 – Present)

*% Availability is as much is needed based on specific assignments.*

generation of BMPs and reporting progress for City of Indian Rocks Beach. Includes tracking of various elements throughout reporting period and Annual Reporting.

**Project Manager | NPDES Permitting and Coordination | Highlands County | Highlands County, Florida | 2018 to Present | \$8,000 annually:** Responsible for leading the generation of BMPs and reporting progress for Highlands County. Permitting includes both Notice of Intent but additional responses and Annual Reporting. Drafted Ordinance that addresses illicit discharges and general stormwater BMPs.

**Project Manager | NPDES Permitting and Coordination | City of Sebring | Sebring, Florida | 2018 to Present | \$8,000 annually:** Responsible for leading the generation of BMPs and reporting progress for City of Sebring. Permitting includes both Notice of Intent but additional responses and Annual Reporting. Drafted and read in Ordinance that addresses illicit discharges and general stormwater BMPs.

**Project Manager | NPDES Permitting and Coordination | City of Avon Park | Avon Park, Florida | 2018 to Present | \$8,000 annually:** Responsible for leading the generation of BMPs and reporting progress for City of Avon Park. Permitting includes both Notice of Intent but additional responses and Annual Reporting. Drafted and read in Ordinance that addresses illicit discharges and general stormwater BMPs.

**Project Manager & QA/QC Reviewer | Harbor Drive N at Belle Place Preliminary Drainage Analysis | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2020 to 2021 | \$8,100:** Areas along Harbor Drive N routinely experience localized street flooding during typical summer rainfall and higher intensity events. This preliminary drainage analysis was completed using regional LiDAR data and project-specific measurements of the storm sewer infrastructure. Drainage basin parameters were calculated and the existing systems were modeled using Autodesk Storm and Sanitary Analysis software. Conceptual improvements and recommendations were summarized in a drainage report.

**QA/QC Reviewer | CR 473 LAP Safe Routes to School | Lake County | Lake County, Florida | 2019 to 2021 | \$145,000:** Responsible for overseeing the project and review of critical elements including drainage, break lines, and constructability. Project included approximately 1 mile of sidewalk, gravity wall, and replacement drainage components to FDOT standard design.

**Project Manager | Midway Road: Canal 92 and Canal 84 Crossings | St. Lucie County | St. Lucie County, Florida | 2019 to 2020 | \$80,000:** Responsible for leading the evaluation, design, and permitting of replacement cross drains across Midway Road in St. Lucie County. Replacement of 72-inch and 48-inch CMP culverts that had soil-cement headwalls with RCP culverts that have structures and concrete headwalls. Project includes evaluation of options, combining multiple drainage pipes into a structure, adding guardrail, MOT component, and stabilizing area.

**Project Engineer | Private Site Layout | Polk County Board of County Commissioners | Polk County, Florida | 2019 to 2020 | \$145,000:** Responsible for leading the evaluation, design, and permitting of a new site design within Polk County. Project involved design of wet detention, along with fire, water, onsite wastewater treatment, and irrigation service to an 85,000-sf building with a 12-inch fire service main. Additions were added making this a compound of approximately 10 buildings totaling over 200,000 sf of buildings and approximately 350 employees onsite.

**Project Engineer | Okeechobee County Property Appraiser Site Design | Okeechobee County | Okeechobee County, Florida | 2018 to 2020 | \$35,000:** Responsible for leading the evaluation, design, and permitting of a new site design within Okeechobee County. Project involved design of subsurface treatment and dry detention, along with fire, water, and irrigation service to a 15,000-sf building.

**Project Manager | Thomas Lake Water Quality Master Plan | Polk County Natural Resources | Polk County, Florida | 2015 | \$45,000:** Responsible for leading the evaluation and planning effort for a Best Management Practices document for Thomas Lake within Polk County. The effort utilized numerical analysis of various sources of data, correlating proposed changes with projected improvements to water quality.

Mr. Mark Frederick experience includes over 20 years of diverse engineering experience in stormwater management system design and watershed model development. He is able to incorporate GIS software to streamline development of model parameters for the ICPR computer software input. Mr. Frederick also has experience with hydrologic and pollutant load modeling, design of retrofits for older stormwater management and collection systems, stormwater pump stations, maintenance and field collection of GIS data, and preparation of water management district environmental resource permit applications. He has successfully permitted projects involving wetlands, surface water impacts, and discharges to TMDL-listed waterbodies.

### Project Experience

**Engineer of Record | Webster Turn Drive Reconstruction & Rehabilitation | Sebring Airport Authority | Sebring, Florida | 2021 to Present | \$132,546:** This project involved the design for reconstruction and, in certain areas, repair of existing pavement along the 0.7-mile 2-lane rural roadway section within the airport district. Existing stormwater pipes crossing under Webster Turn Drive were evaluated for rehabilitation or replacement needs. Services included utility coordination, SWFWMD Environmental Resource Permit modification, and bid phase assistance.

**Project Manager & Engineer of Record | Misc. Drainage Improvements | City of Plant City | Plant City, Florida | 2022 to Present | \$101,391:** This project involved drainage system analysis at several locations throughout the City. CCTV inspection services were utilized to identify defects in existing storm sewer pipes and recommend appropriate rehabilitation. Other areas reviewed involved various localized street flooding concerns. Findings and recommendations for each of the analyzed locations were summarized in a preliminary engineering report including an Engineer’s Opinion of Probable Construction Costs for each location. Responsibilities included project management and preparation of a preliminary engineering report.

**Project Manager & Engineer of Record | Stormwater Master Plan Update | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2021 to 2022 | \$126,490:** This project involved the preparation of a comprehensive Stormwater Master Plan for the City, tailored to comply with recent legislation. The project involved coordination with Pinellas County to ensure conformance with County and FDEP guidelines for specific items to be included or addressed in the plan. Topographic survey data and photographs were collected at all known manhole and inlet locations to facilitate the preparation of a citywide H&H model to simulate existing stormwater conditions. Based on an evaluation of the existing stormwater conditions H&H model results, conceptual stormwater improvements projects were identified.

**Project Manager & Engineer of Record | Keystone Heights Substation Slope Stabilization | Seminole Electric Cooperative Inc. | Keystone Heights, Florida | 2021 to 2022 | \$40,000:** This project involved the evaluation of existing slope and erosion issues at the Keystone Heights Substation. Slopes were previously stabilized with a geocell cellular confinement system that had since heaved above the gravel infill and become exposed. The project also involved review of erosion of a grassed slope immediately adjacent to the substation. CivilSurv performed a terrestrial LiDAR scan of the project area to construct a 3D model of the existing conditions. In addition, ground penetrating radar technology was used to locate potential underground improvements that may be disturbed during the slope stabilization construction. Responsibilities included project management, preparation of a preliminary engineering report, and engineering design.



#### Expertise

- Stormwater management system design
- Utility system design
- Transportation infrastructure design
- Site development
- Project Management

#### Education

- BS / Civil Engineering / Purdue University
- MS / Civil Engineering / University of Florida

#### Licenses / Certifications

- Professional Engineer in FL #70671
- Certified Floodplain Manager # US-07-03155
- Envision Sustainability Professional
- Certified Project Management Professional

#### Training

- FDEP Qualified Stormwater Management Inspector #15170
- FDOT Specification Package Preparation
- NASSCO PACP & MACP
- ICPR4 Software

#### Affiliations

- Florida Engineering Society
- American Society of Civil Engineers
- Florida Lake Management Society

% Availability is as much is needed based on specific assignments.

**Project Engineer | Memorial Drive Multi-Use Trail | Highlands County Board of County Commissioners | Sebring, Florida | 2020 to Present | \$150,000:** This project involved the design of 1.4-miles of a new 8-foot-wide multi-use trail within the existing Memorial Drive right of way. The multi-use trail connects with an existing multi-use trail at Pompano Drive and existing sidewalk at Sebring Parkway. The drainage system design concept for the project involved the utilization of existing drainage infrastructure, where possible. This innovative approach required the use of multiple typical cross sections throughout the project and resulted in significant reductions to the overall project costs. The project was performed under a Local Agency Program (LAP) project agreement between FDOT and Highlands County. Responsibilities included construction document preparation, drainage design, and task management.

**Engineer of Record | West Lake Jackson Stormwater Improvements | City of Sebring | Sebring, Florida | 2020 to Present | \$1,673,864:** This project involved the evaluation of existing drainage infrastructure at 28 outfall locations, existing sanitary sewer, and pavement along approximately 2.7-miles of SW Lakeview Drive. The existing drainage system was generally found to be substandard and conceptual improvements were proposed. Detailed engineering design as completed based on the recommended conceptual improvements. A significant component of this retrofit project includes the addition of water quality treatment of stormwater prior to discharging to Lake Jackson. The existing wastewater system deficiencies included inflow and infiltration issues that were, in many cases, evident in the pavement surrounding manholes. Designed improvements to the wastewater system and roadway were also included as part of the project. This project involved funding coordination for the State Revolving Fund (SRF) loan through the Florida Department of Environmental Protection (FDEP). Due to the size of the project, a phased approach was implemented.

**Engineer of Record | Calusa-Hercules 230kV Access Road | Florida Power & Light Company | Charlotte & Lee Counties, Florida | 2020 to 2022 | \$100,000:** This project involved the redesign of a 3.1-mile portion of new patrol road to access FPL's proposed transmission structure locations along SR 31, near Babcock Ranch. The redesign was required due to proposed improvements along SR 31. Tasks included coordination with the Babcock Ranch development team, FDOT Driveway Connection Permitting, and subsurface utility engineering to verify the location of an existing 26-inch-high pressure Florida Gas Transmission gas main.

**Engineer of Record | Harbor Drive N at Belle Place Preliminary Drainage Analysis | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2020 to 2021 | \$9,000:** Areas along Harbor Drive N routinely experience localized street flooding during typical summer rainfall and higher intensity events. This preliminary drainage analysis was completed using regional LiDAR data and project-specific measurements of the storm sewer infrastructure. Drainage basin parameters were calculated and the existing systems were modeled using Autodesk Storm and Sanitary Analysis software. Conceptual improvements and recommendations were summarized in a drainage report.

**QA/QC Reviewer | Kristina Court Drainage Improvements | Polk County Roads & Drainage Division | Auburndale, Florida | 2020 to 2021:** This project involved the review of historic drainage patterns, preparation of a hydrologic / hydraulic model, and design of proposed drainage system improvements to alleviate recurring nuisance flooding at the western end of Kristina Court. Proposed improvements involved an inlet to collect runoff from the end of the cul-de-sac and to route it to a new wet detention pond.

**Project Manager | Martin-Midway Right of Way Improvements | Florida Power & Light | Martin & St. Lucie Counties, Florida | 2020 | \$150,000:** This project involved an access assessment study for transmission facilities located from FPL's Martin Plant Switchyard to the Midway Substation. The project also involved the route from the Martin Plant Switchyard to Structure 8Z348, located north of SR 70 for a total project length of approximately 34-miles. In addition to the access assessment study, right of way improvement plans were required to detail the improvements needed to facilitate construction of transmission structure improvements.

**Project Manager | Ft Drum-Midway Right of Way Improvements | Florida Power & Light | Martin & St. Lucie Counties, Florida | 2020 | \$150,000:** This project involved an access assessment study for transmission facilities located from FPL's Ft. Drum Plant Switchyard to the Martin Substation for a total project length of approximately 37-miles. In addition to the access assessment study, right of way improvement plans were required to detail the improvements needed to facilitate construction of transmission structure improvements. Responsibilities included project management and civil technical lead.

Since 1975, Mr. Howle’s experience has encompassed many phases of Civil Engineering, Transportation Engineering, Land Planning, and Agency Permitting. As Vice President of Engineering, he provides complete project services from Planning and Design through Permitting and Construction for Transportation Facilities, Utility Infrastructure, and Governmental Sites. Design experience includes Roadway, Drainage, Signalization, and Lighting. As a County Engineer, he was responsible for the implementation and maintenance of Roadway Capital Improvement plans including Budgeting, Design, Right-of-Way Acquisition, Construction, and Resurfacing. His extensive experience in Transportation Programs has established him as an Expert Witness in Eminent Domain Proceedings. As Vice President of Engineering, Mr. Howle directs the Planning, Design, and Construction of Transportation and Utility related facilities.

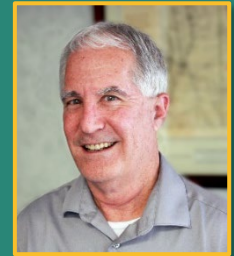
### Project Experience

**Engineer of Record | SR 17 at Park Avenue Intersection Signalization | City of Lake Wales | Lake Wales, Florida | 2021 to 2022 | \$36,505:** The project involved the design of new mast arms and traffic signals as part of the Park Avenue Streetscape project. CivilSurv prepared construction plans for the mast arms, traffic signals, pedestrian signals, new service point, traffic controller cabinet, conduit, and signage.

**Engineer of Record | 1<sup>st</sup> Street Streetscape Lighting | City of Lake Wales | Lake Wales, Florida | 2021 to Present | \$82,515:** As a subconsultant to Chastain-Skillman, designing the decorative lighting for approximately 3,900 feet of roadway improvements from Central Avenue to Dr. A. J. Wilshire Avenue. In addition to the decorative lighting design, the project involved a traffic study to determine the feasibility of converting an existing signalized intersection into a 4-way stop and the installation 5 Rectangular Rapid Flashing Beacons (RRFB) for mid-block pedestrian crossings.

**CEI Project Manager | US 92 and County Line Road Intersection | City of Lakeland | Lakeland, Florida | 2021 to Present | \$165,268:** This project involved full-time construction engineering and inspection services for improvements to the US 92 and County Line Road intersection. The project consists of turn lane additions, median modifications, railroad crossing upgrade, sidewalk, and traffic signal modifications. The CEI involved daily inspection services, observation of sampling and testing of construction materials, daily reporting, quantity verification, field measurements, payment application review, maintenance of traffic review, and weekly construction progress meetings.

**CEI Project Manager | Sebring Parkway – Phase II-A and II-B | Highlands County Board of County Commissioners | Sebring, Florida | 2020 to Present | \$501,160:** This project involved full-time construction engineering and inspection services for the approximate 1.5-mile roadway improvements project with a construction value of approximately \$15 million. The project involved the 4-laning of Sebring Parkway from US 27 to Youth Care Lane, a roundabout at South Highlands Avenue, new mast arm traffic signals at US 27 and Desoto Road, and associated drainage improvements. Potable watermain and wastewater force main improvements were also included in the project to accommodate the roadway improvements. The project also involved the construction of a new roundabout at the entrance to a hospital, requiring significant coordination. The project included observation of sampling and testing of construction materials, daily reporting, quantity verification, field measurements, payment application review, maintenance of traffic review, and bi-weekly construction progress meetings.



### Expertise

- Transportation infrastructure design
- Construction administration
- Site development

### Education

- BS / Civil Engineering / The Citadel / Deans List

### Licenses /

### Certifications

- Professional Engineer in FL #27584, NC, VA, KY, and PA
- FDOT Advanced Temporary Traffic Control

### Affiliations

- American Society of Civil Engineers
- National Association of County Engineers
- American Public Works Association

*% Availability is as much is needed based on specific assignments.*

**CEI Project Manager | Cemetery Road | Okeechobee County Board of County Commissioners | Okeechobee, Florida | 2020 to 2021 | \$199,350:** Project consisted of full depth reconstruction of 1.7 miles of a 2-lane rural, residential roadway. Project also included new side drains along the length of the project.

**CEI Project Manager | CR 68 (MICCO BLUFF) Roadway Improvements | Okeechobee County Board of County Commissioners | Okeechobee, Florida | 2020 to 2021 | \$169,920:** CEI services for 2.23 miles of milling, road widening, and resurfacing of CR 68 (Micco Bluff Road) from Kissimmee Cattle Company to Dead End. Project included the removal and replacement of five cross drains. The cross drains had to be replaced one side at a time leaving one lane of the roadway open to traffic.

**CEI Project Manager | Potter Road CEI Services | Okeechobee County Board of County Commissioners | Okeechobee, Florida | 2019 | \$48,680:** CEI services for the replace of the weir structure and stabilization of the banks of Otter Creek south of Potter Road damaged by Hurricane Irma.

**Engineer of Record | Crystal Lake Trail Lighting | City of Lake Wales | Lake Wales, Florida | 2020 to 2021 | \$36,085:** As a subconsultant to Chastain-Skillman, designed the decorative lighting for the Crystal Lake Trail from SR 17 to Lake Wailes Park. Design included lighting location, spacing, and electrical design.

**Engineer of Record | Lake Wales Connector Streetscape Lighting | City of Lake Wales | Lake Wales, Florida | 2020 to Present | \$60,010:** As a subconsultant to Chastain-Skillman, designed the decorative lighting for the Lake Wales Connector Streetscape project from N Wetmore Street to SR 17. Also designed and permitted a new traffic signal at SR 17 and performed a traffic study including Synchro modeling demonstrating that the existing traffic signal at Park Avenue and N 1<sup>st</sup> Street could be replaced with a 4-way stop based on a new traffic pattern and that the existing northbound left turn lanes on SR 17 at Park Avenue and E Stuart Street could be eliminated to allow more room within the existing right-of-way for proposed streetscape improvements.

**Project Manager | Webster Turn Drive Reconstruction & Rehabilitation | Sebring Airport Authority | Sebring, Florida | 2021 to Present | \$132,546:** This project involved the design for reconstruction and, in certain areas, repair of existing pavement along the 0.7-mile 2-lane rural roadway section within the airport district. Existing stormwater pipes crossing under Webster Turn Drive were evaluated for rehabilitation or replacement needs. Services included utility coordination, SFWMD Environmental Resource Permit modification, and bid phase assistance.

**Engineer of Record | Lakeland Park Drive Connector | City of Lakeland | Lakeland, Florida | 2014 to 2022 | \$677,369:** New 2-lane connector road between Carpenters Way and Lakeland Park Drive in the City of Lakeland. Project tasks included a study to determine the route for the road, roadway design, drainage design, signing and pavement marking, street lighting, utility coordination, permitting and a Multi-Use Trail. Services also included right-of-way condemnation assistance. This project received recognition as the 2021 ASCE Ridge Branch Project of the Year.

**Project Manager & Engineer of Record | 7<sup>th</sup> Street SW Roadway Reconstruction | City of Winter Haven | Winter Haven, Florida | 2014 to 2020 | \$262,850:** Two lane reconstruction of 0.73 miles of deteriorated road in the City of Winter Haven. The project was a complete streets project that included survey, roadway improvements, storm sewer system, signing and pavement marking, decorative street lighting, and a Multi-Use Trail. CivilSurv also performed utility coordination and permitting for the project. CivilSurv also provided part time CEI for the project.

**Engineer of Record & Project Manager | Memorial Drive Multi-Use Trail | Highlands County Board of County Commissioners | Sebring, Florida | 2020 to Present | \$150,000:** This project involved the design of 1.4-miles of a new 8-foot-wide multi-use trail within the existing Memorial Drive right of way. The multi-use trail connects with an existing multi-use trail at Pompano Drive and existing sidewalk at Sebring Parkway. The project was performed under a Local Agency Program (LAP) project agreement between FDOT and Highlands County. Responsibilities included engineering design and project management.

**Project Supervisor | CR 473 LAP Safe Routes to School | Lake County Board of County Commissioners | Lake County, Florida | 2018 to 2021 | \$145,739:** Responsible for overseeing the project and review of critical elements including drainage, break lines, and constructability. Project included approximately 1 mile of sidewalk, gravity wall, and replacement drainage components to FDOT standard design.

Mr. Smith has 46 years of professional engineering experience in the design and construction administration of multi-million-dollar projects for governmental, institutional, industrial and private (domestic and international) clients. His major strengths include organization, leadership, market strategies, planning, financial controls, negotiations, and problem resolution. Mr. Smith has specialized technical expertise in trenchless technologies, and maintains cost consciousness with an ability to identify needs and goals, streamline existing operations, and overcome obstacles with technically sound and financially feasible solutions.

His public works projects have involved planning, design and construction administration for new and the rehabilitation of existing infrastructure systems. Projects for local, state, and federal government agencies have included water and sanitary sewer systems, highways and airfields, storm water systems, industrial parks, marinas, and recreational facilities. Many of these projects involved assistance with the development of CIPs, grant applications and presentation at public meetings.

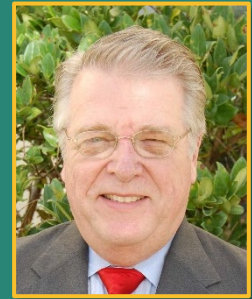
### Project Experience

**QA/QC Reviewer | West Lake Jackson Stormwater Improvements, Phase I | City of Sebring | Sebring, Florida | 2020 to Present | \$200,000:** The initial phase of the project involved the evaluation of existing drainage infrastructure, existing sanitary sewer, and pavement along SW Lakeview Drive. Stormwater discharges from the drainage system directly to Lake Jackson. This project involved funding application support services for a State Revolving Fund (SRF) loan from the Florida Department of Environmental Protection (FDEP). An Engineer’s Report was prepared to summarize the findings of the infrastructure study and to provide recommendations for future phases of the project.

**Project Manager | Itchepackesassa Creek Regional Stormwater Facility | Polk County Parks & Natural Resources Division | Polk County, Florida:** The Itchepackesassa Creek Regional Stormwater Facility was designed as a regional stormwater management facility to provide enhanced water quality, wetlands enhancement, habitat development and flood attenuation. The project consists of a 55-acre treatment area that receives flows from Winston Creek from a 4,200 gpm stormwater pump station. The flow is stored in shallow pools that support conditions for the growth of wetland plants. The microbial populations extract soluble carbon and nutrients reducing concentrations of BOD and fecal coliform levels. Construction cost: \$2,200,000

**Principal-in-Charge | Emergency Relief Canal | City of Port St. Lucie | Port St. Lucie, Florida:** Design and Construction Phase services for a drainage project involving approximately 4,500 linear feet of ditch controlled by two sheet pile weir structures and an FDOT Type K inlet structure. The purpose of the project is to provide for bypass of existing undersized drainage facilities during emergency conditions. The project will be operated under the terms of an agreement and memorandum of understanding between the City and the South Florida Water Management District. The project discharges to tidal receiving waters.

**Principal-in-Charge | Leeland Street and Demens Road Bridge Rehabilitation | City of St. Petersburg | St. Petersburg, Florida:** Prepared construction documents for two bridge replacement projects. The project involved superstructure rehabilitation, replacement of the concrete decks, barrier walls, sidewalks and railing, extension of pile caps to accommodate utilities and roadway improvements at the approaches such as sidewalk, curb ramps, utilities relocation, site grading and resurfacing.



### Expertise

- Transportation infrastructure design
- Stormwater management system design
- Utility system design
- Site development

### Education

- BS / Civil Engineering / Virginia Polytechnic Institute and State University

### Licenses /

### Certifications

- Professional Engineer in FL #56434, VA, and NC

### Affiliations

- American Society of Civil Engineers
- National Society of Professional Engineers

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**Principal-in-Charge | State Road 482 (Sand Lake Road) | FDOT District Five | Orange County, Florida:** Prepared roadway plans for a 1.8-mile urban/rural arterial to meet FDOT Resurfacing, Restoration and Rehabilitation (RRR) standards. The project included roadway design, traffic control, signing and pavement markings, pond design and permitting with the South Florida Water Management District (SFWMD).

**Principal In Charge | NPDES Permitting and Coordination | Highlands County | Highlands County, Florida | 2018 to Present | \$8,000 annually:** Responsible for leading the generation of BMPs and reporting progress for Highlands County. Permitting includes both Notice of Intent but additional responses and Annual Reporting. Drafted Ordinance that addresses illicit discharges and general stormwater BMPs.

**Principal In Charge | NPDES Permitting and Coordination | City of Sebring | Sebring, Florida | 2018 to Present | \$8,000 annually:** Responsible for leading the generation of BMPs and reporting progress for City of Sebring. Permitting includes both Notice of Intent but additional responses and Annual Reporting. Drafted and read in Ordinance that addresses illicit discharges and general stormwater BMPs.

**Principal In Charge | NPDES Permitting and Coordination | City of Avon Park | Avon Park, Florida | 2018 to Present | \$8,000 annually:** Responsible for leading the generation of BMPs and reporting progress for City of Avon Park. Permitting includes both Notice of Intent but additional responses and Annual Reporting. Drafted and read in Ordinance that addresses illicit discharges and general stormwater BMPs.

**Principal-in-Charge | Belcher Road from Alderman Road to Klosterman Road | Pinellas County | Pinellas County, Florida:** Prepared construction documents for a new four-lane divided arterial roadway from Alderman Road to Klosterman Road in Pinellas County. Work included storm water pond(s), lighting and signalization of two intersections.

**Principal-in-Charge | Miscellaneous Roadway Design | FDOT District Five:** Prepared plans for roadway improvements to SR 530(US 192) in Osceola County and SR 15/600 in Orange County. Project responsibilities included RRR design for milling and resurfacing mainline pavement, widening, drainage upgrades, utility coordination, signing, and design exceptions and variations. Additional improvements include reconstruction of curb and gutter, sidewalks and the addition of bicycle lanes.

**Program Manager | General Engineering Services Contract | City of Fort Lauderdale | Fort Lauderdale, Florida:** Provided a wide range of services to the City of Fort Lauderdale. These services included studies, design and construction related services for water/wastewater facilities, storm water management, street improvements including streetscapes, park improvements, architectural design and surveying.

**QA/QC Reviewer | Crooked Lake Park Inflow & Infiltration Study | Polk County Utilities Division | Polk County, Florida | 2021 to Present | \$170,000:** This project involved the evaluation of the existing gravity sewer system and existing sanitary lift stations located within the area known as Crooked Lake Park. The project was initiated by several sanitary sewer overflow events that resulted in FDEP enforcement actions while the system was under the control of the previous entity. Inflow and infiltration issues were found to be a significant contributing factor to the sanitary sewer overflow events. The County acquired the system and consulted with CivilSurv to evaluate alternatives to bring the system into compliance. The evaluation involved the CCTV inspection of approximately 23,000 linear feet of gravity sanitary sewer of diameter ranging from 4-inch to 10-inch and approximately 80 manholes.

**Principal-in-Charge & QA/QC Reviewer | Southwest I&I Reduction Phase II | Polk County Utilities Division | Polk County, Florida | 2019 to 2020 | \$330,000:** This project involved the evaluation, design, permitting, and cost estimating for the proposed improvements to approximately 5 miles of sanitary sewer and manholes throughout Southwest Polk County in 6 basins. The project included televising and reviewing of hours of CCTV, analyzing and locating defects within the piping system and manhole system, designing improvements to the system, and construction management.

**Principal-in-Charge & QA/QC Reviewer | Southwest I&I Reduction Phase I | Polk County Utilities Division | Polk County, Florida | 2018 to 2019 | \$195,000:** This project involved the evaluation, design, permitting, and cost estimating for the proposed improvements to approximately 5 miles of sanitary sewer and manholes throughout Southwest Polk County. The project included review of hours of CCTV, analyzing and locating defects within the piping and manhole system, designing improvements to the system, and construction management.

Mr. Derick Bryant functions as a Senior Design Engineer with CivilSurv. He is experienced in performing technical engineering tasks on a variety of infrastructure projects, including roadway and drainage improvements, water / wastewater utility systems, and site developments for public and private sector clients. Mr. Bryant is a problem solver and innovator. He uses practical approaches to find cost-effective solutions to complex engineering challenges. Prior to joining CivilSurv, Mr. Bryant taught math, engineering technology, and robotics at the secondary education level.

### Project Experience

**Senior Engineer | Misc. Drainage Improvements | City of Plant City | Plant City, Florida | 2022 to Present | \$101,391:** This project involved drainage system analysis at several locations throughout the City. CCTV inspection services were utilized to identify defects in existing storm sewer pipes and recommend appropriate rehabilitation. Other areas reviewed involved various localized street flooding concerns. Findings and recommendations for each of the analyzed locations were summarized in a preliminary engineering report including an Engineer's Opinion of Probable Construction Costs for each location.

**Senior Engineer | West Lake Jackson Stormwater Improvements | City of Sebring | Sebring, Florida | 2022 to Present | \$1,673,864:** This project involved the evaluation of existing drainage infrastructure at 28 outfall locations, existing sanitary sewer, and pavement along approximately 2.7-miles of SW Lakeview Drive. The existing drainage system was generally found to be substandard and conceptual improvements were proposed. Detailed engineering design as completed based on the recommended conceptual improvements. A significant component of this retrofit project includes the addition of water quality treatment of stormwater prior to discharging to Lake Jackson. The existing wastewater system deficiencies included inflow and infiltration issues that were, in many cases, evident in the pavement surrounding manholes. Designed improvements to the wastewater system and roadway were also included as part of the project. This project involved funding coordination for the State Revolving Fund (SRF) loan through the Florida Department of Environmental Protection (FDEP). Due to the size of the project, a phased approach was implemented.

**Senior Engineer | Stormwater Master Plan Update | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2022 | \$126,490:** This project involved the preparation of a comprehensive Stormwater Master Plan for the City, tailored to comply with recent legislation. The project involved coordination with Pinellas County to ensure conformance with County and FDEP guidelines for specific items to be included or addressed in the plan. Topographic survey data and photographs were collected at all known manhole and inlet locations to facilitate the preparation of a citywide H&H model to simulate existing stormwater conditions. Based on an evaluation of the existing stormwater conditions H&H model results, conceptual stormwater improvements projects were identified.

**Senior Engineer | Webster Turn Drive Reconstruction & Rehabilitation | Sebring Airport Authority | Sebring, Florida | 2022 to Present | \$132,546:** This project involves the design for reconstruction and, in certain areas, repair of existing pavement along the 0.7-mile 2-lane rural roadway section within the airport district. Existing stormwater pipes crossing under Webster Turn Drive were evaluated for rehabilitation or replacement needs. Services include utility coordination, SWFWMD Environmental Resource Permit modification, and bid phase assistance.

**Technical Designer | Kristina Court Drainage Improvements | Polk County Roads & Drainage Division | Auburndale, Florida | 2020 to 2021:** This project involved the review of historic



### Expertise

- Site development
- Stormwater management system design and analysis
- Utility system design and analysis
- Transportation infrastructure design
- CADD

### Education

- BS / Civil Engineering / University of South Florida

### Licenses / Certifications

- Professional Engineer in FL #67369
- Autodesk Certified User (multiple)

### Training

- Civil3D
- Autodesk Storm & Sanitary Analysis Software
- FDOT Advanced Maintenance of Traffic
- FDEP Qualified Stormwater Management Inspector

### Affiliations

- American Society of Civil Engineers

*% Availability is as much is needed based on specific assignments.*

drainage patterns, preparation of a hydrologic / hydraulic model, and design of proposed drainage system improvements to alleviate recurring nuisance flooding at the western end of Kristina Court. Proposed improvements involved an inlet to collect runoff from the end of the cul-de-sac and to route it to a new wet detention pond. Responsibilities included assisting in the preparation of construction plans, quantities, and permitting support.

**Technical Designer | Swindell Road Drainage Improvements | Polk County Roads & Drainage Division | Lakeland, Florida | 2021:** This project involved the design for replacement of a failing 18-inch corrugated metal pipe cross drain under Swindell Road and a deteriorated ditch bottom inlet with a new elliptical reinforced concrete pipe and new ditch bottom inlet with traversable slots. The improved inlet opening configuration reduced the potential for clogging which was previously problematic at this location. Responsibilities included preparation of construction plans, quantities, and permitting support.

**Technical Designer | Greenwoods Drive Drainage Improvements | Polk County Roads & Drainage Division | Lakeland, Florida | 2021:** This project involved the design for replacement of failing 36-inch corrugated metal pipe culverts under Greenwoods Drive and a deteriorated ditch bottom inlet with new reinforced concrete pipes and a new and a new concrete headwall. Due to development in the area after the original construction of the system, the crossing capacity was able to be reduced, resulting in a cost savings to the County for the replacement. Responsibilities included preparation of construction plans, quantities, and permitting support.

**Technical Designer | Multiple Drainage Improvement Projects | St. Johns County | St. Augustine, Florida | 2021:** These projects included the evaluation of existing drainage concerns from the city and residents along with the design of improvement options in multiple locations in the city. Responsibilities included preparation of exhibits and plans for City evaluation and consideration.

**Senior Engineer | Estates at Carpenters Site Improvements | Carpenter's Home Estates, Inc. | Lakeland, Florida | 2022 to Present | \$107,100:** This project involves drainage improvements within the existing ±35-acre Continuing Care Retirement Community. The drainage improvements were focused on nuisance flooding areas near the front of Buildings F and K. Site modifications and improvements and were coordinated with a planned addition to the buildings, including a new Chapel for the campus. CivilSurv's scope of services for this project include topographic survey, engineering design, permitting, and construction administration. Responsibilities include design and layout of stormwater inlets / pipes to connect to the existing drainage system to improve current conditions.

**Senior Engineer | Philip O'Brien Elementary School Parking Lot Addition | Polk County Public Schools | Lakeland, Florida | 2021 to Present | \$24,140:** This project involved the design of parking lot expansions to provide nearly 36 new parking spaces. These new parking spaces were added in 3 separate locations on the school's 12.8-acre campus. The SWFWMD permit for the site's existing 3 stormwater management areas was modified to account for the increased impervious area. Responsibilities included construction plan preparation, drainage calculations, and permitting coordination.

**Technical Designer | SJRWMD Apopka Service Center | St. Johns River Water Management District | Apopka, Florida | 2021:** This project included the design of the new SJRWMD Service Center site located in Apopka. The project involved turn lane additions for the east-bound and west-bound lanes and the access road from Binion Road. The site improvement design included grading & drainage, connections to potable water, sewer from a new on-site lift station, reclaimed water, and gas main. Responsibilities included layout of building, design and location of on-site and utility connections, grading of surface flow to multiple stormwater ponds, roof drains, outfall structures, and construction plan production.

**Technical Designer | Pasture Reserve Restoration Project | Lake County Board of County Commissioners | Groveland, Florida | 2021:** This project included the design of recreational and maintenance trail modifications associated with water crossing improvements at 9 locations throughout the Pasture Reserve property. The improvements included low-water crossings, existing culvert removals, and a traffic load rated PermaTrak boardwalk for pedestrian and vehicular use. This project was cooperatively funded with the Southwest Florida Water Management District and was part of an overall effort to restore and enhance approximately 810 acres of wetlands and uplands. Responsibilities included construction plans preparation and permitting support.

Mr. Morgan Thomas functions as a Project Engineer with CivilSurv. He is experienced in the use of AutoCAD Civil3D, EPANet, and the Microsoft Office suite. During his employment with CivilSurv he has performed various engineering and design tasks associated with water utilities, roads and drainage, and site development projects. He is familiar with various permitting review agencies and their requirements, including the Southwest Florida Water Management District, the South Florida Water Management District, the Florida Department of Environmental Protection, and several local governments.

### Project Experience

**Project Engineer | Webster Turn Drive Reconstruction & Rehabilitation | Sebring Airport Authority | Sebring, Florida | 2021 to Present | \$132,546:** This project involved the design for reconstruction and, in certain areas, repair of existing pavement along the 0.7-mile 2-lane rural roadway section within the airport district. Existing stormwater pipes crossing under Webster Turn Drive were evaluated for rehabilitation or replacement needs. Services included utility coordination, SFWMD Environmental Resource Permit modification, and bid phase assistance.

**Project Engineer | Keystone Heights Substation Slope Stabilization | Seminole Electric Cooperative Inc. | Keystone Heights, Florida | 2021 to 2022 | \$40,000:** This project involved the evaluation of existing slope and erosion issues at the Keystone Heights Substation. Slopes were previously stabilized with a geocell cellular confinement system that had since heaved above the gravel infill and become exposed. The project also involved review of erosion of a grassed slope immediately adjacent to the substation. CivilSurv performed a terrestrial LiDAR scan of the project area to construct a 3D model of the existing conditions. In addition, ground penetrating radar technology was used to locate potential underground improvements that may be disturbed during the slope stabilization construction. Responsibilities included engineering design support.

**Project Engineer | Memorial Drive Multi-Use Trail | Highlands County Board of County Commissioners | Sebring, Florida | 2020 to Present | \$150,000:** This project involved the design of 1.4 miles of a new 8-foot-wide multi-use trail within the existing Memorial Drive right of way. The multi-use trail connects with an existing multi-use trail at Pompano Drive and existing sidewalk at Sebring Parkway. The project was performed under a Local Agency Program (LAP) project agreement between FDOT and Highlands County. Responsibilities included engineering design and construction document preparation.

**Project Engineer | West Lake Jackson Stormwater Improvements | City of Sebring | Sebring, Florida | 2020 to Present | \$1,673,864:** This project involved the evaluation of existing drainage infrastructure at 28 outfall locations, existing sanitary sewer, and pavement along approximately 2.7-miles of SW Lakeview Drive. The existing drainage system was generally found to be substandard and conceptual improvements were proposed. Detailed engineering design as completed based on the recommended conceptual improvements. A significant component of this retrofit project includes the addition of water quality treatment of stormwater prior to discharging to Lake Jackson. The existing wastewater system deficiencies included inflow and infiltration issues that were, in many cases, evident in the pavement surrounding manholes. Designed improvements to the wastewater system and roadway were also included as part of the project. This project involved funding coordination for the State Revolving Fund (SRF) loan through the Florida Department of Environmental Protection (FDEP). Due to the size of the project, a phased approach was implemented.



### Expertise

- Utility system design and analysis
- Transportation infrastructure design
- Site development
- CADD

### Education

- BS / Civil Engineering / Florida Institute of Technology

### Training

- FDEP Qualified Stormwater Management Inspector #38093
- FDOT Concrete Field Inspector
- FDOT Concrete Lab Technician
- FDOT Earthwork Construction Inspection Level 1
- FDOT Quality Control Manager
- FDOT Equal Opportunity Compliance
- FDOT Tier 1 Illicit Discharge Detection and Elimination

*% Availability is as much is needed based on specific assignments.*

**Project Engineer | Calusa-Hercules 230kV Access Road | Florida Power & Light Company | Charlotte & Lee Counties, Florida | 2020 to 2022 | \$75,000:** This project involved the redesign of a 3.1-mile portion of new patrol road to access FPL's proposed transmission structure locations along SR 31, near Babcock Ranch. The redesign was required due to proposed improvements along SR 31. Tasks included coordination with the Babcock Ranch development team, FDOT Driveway Connection Permitting, and subsurface utility engineering to verify the location of an existing 26-inch-high pressure Florida Gas Transmission gas main. Responsibilities included engineering design and construction document preparation.

**Project Engineer | Midway Road Culvert Replacement at Canal 92 and Canal 84 | St. Lucie County Public Works Department | Port St. Lucie, Florida | 2018 to 2020 | \$80,000:** This project involved the replacement of large cross drain culverts under Midway Road at Canals 92 and 84. The existing culverts were 72-inch and 48-inch corrugated metal pipe culverts with soil-cement headwalls. The replacement culverts were designed as reinforced concrete pipe culverts with reinforced concrete MES and end walls, designed in accordance with FDOT specifications. The project included the evaluation of replacement alternatives, rerouting multiple drainage pipes into a common structure, adding roadside safety improvements, maintenance of traffic design, and stabilizing sloping. Responsibilities included engineering design and construction document preparation, along with the inspection of construction completed.

**Project Engineer | 20<sup>th</sup> Ave Stormwater Retrofit | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2017 | \$27,000:** Performed drainage calculations along with drawing preparation for site and drainage structures. The project was a grant funded storm water quality BMP project partially funded by the Southwest Florida Water Management District.

**Project Engineer | West Pipkin Road Water Main Improvements | City of Lakeland | Lakeland, Florida | 2019 to Present | \$245,000:** This project involved the replacement of approximately 17,000 linear feet of potable water mains and sanitary force main, ranging in diameter from 4 inches to 16 inches. The project was in support of the widening of West Pipkin Road to four lanes between Medulla Road and S. Dossey Road. The project included design reviews at 60%, 90%, and 100%. The project also included significant utility coordination, subsurface utility engineering, redesign of mains due to storm sewer conflict issues, and the implementation of numerous construction techniques including: wet tapping, temporary service mains, and numerous clearance packages. Responsibilities included engineering design and construction document preparation.

**Project Engineer | Northport Force Main Phase 2 | City of Port St. Lucie Utilities Division | Port St. Lucie, Florida | 2020 to 2021 | \$165,000:** Responsible for design of approximately 6,500 linear feet of 8-inch force main, connecting the Southport system to the Northport system. The project included design reviews at 60%, 90%, and 100%, significant utility coordination, a large easement definition, drilling under US-1 and Prima Vista, subsurface utility engineering, and the implementation of numerous construction techniques including wet tapping and HDPE HDD.

**Project Engineer | F-19 Raw Water Main | City of Port St. Lucie | Port St. Lucie, Florida | 2020 to 2021 | \$165,000:** Responsible for leading the design and construction through the installation of approximately 3,000 linear feet of 16-inch brackish raw water mains. The project included design reviews at 30%, 60%, 90%, and 100%, significant utility coordination, a large easement definition, drilling under power and I-95, subsurface utility engineering, redesign of mains due to wetland conflict issues, and the implementation of numerous construction techniques including wet tapping, fusible PVC HDD, and a new access driveway to the proposed well.

**Project Engineer | SWRUSA Inflow & Infiltration Phase 2 | Polk County Utilities Division | Polk County, Florida | 2019 to 2020 | \$330,000:** This project involved the evaluation, design, permitting, and cost estimating for proposed improvements to approximately 5 miles of sanitary sewer and manholes throughout Polk County Utilities' Southwest Regional Utility Service Area (SWRUSA) within 6 basins. The project included closed-circuit television (CCTV) inspection, analyzing and locating defects within the gravity sanitary sewer mains and manholes, designing improvements to the system, and construction management. Responsibilities included inspection review and engineering support.

**Project Engineer | Old Highway 37 Water Main Improvements | Polk County Utilities Division | Lakeland, Florida | 2018 to 2019 | \$135,000:** Performed the design of approximately 11,000 linear feet of water mains from 8 inches to 12 inches in diameter. The project included design reviews at 30%, 60%, and 90% and easement acquisition. The project also included significant utility coordination, subsurface utility engineering, redesign of mains due to property conflict issues, and the

implementation of numerous construction techniques including: HDD, J&B, wet tapping, pipe bursting, temporary service mains, and numerous clearance packages.

**Project Engineer | SWRUSA Inflow & Infiltration Phase 1 | Polk County Utilities Division | Polk County, Florida | 2017 to 2019 | \$196,000:** This project involved the evaluation, design, permitting, and cost estimating for the proposed improvements to approximately 5 miles of sanitary sewer and manholes throughout Polk County Utilities' Southwest Regional Utility Service Area (SWRUSA) within 5 basins. The project included closed-circuit television (CCTV) inspection, analyzing and locating defects within the gravity sanitary sewer mains and manholes, designing improvements to the system, and construction management. Responsibilities included inspection review and engineering support.

**Project Engineer | North Hutchinson Island Septic Removal Project | St. Lucie County Board of County Commissioners | Ft. Pierce, Florida | 2016 to 2017 | \$1.1 million:** Prepared design drawings for new water network. Potable water modeling using EPANet along with quantity takeoffs and utility coordination. Performed design of vacuum building site plan preparation along with FDEP and Water Management District permitting. New mains were permitted with FDEP and St. Lucie County.

**Project Engineer | Airport Road Commercial Development | Palm Airport Road, LLC | Lakeland, Florida | 2021 | \$3,000:** This project involved conceptual site planning to support a proposed land use change. The proposed conceptual improvements consisted of 2 retail parcels. Parcel 1 included a 9,000-square foot free-standing retail building and Parcel 2 included a 20,000-square foot strip retail building. Responsibilities included conceptual drawing preparation.

**Project Engineer | Indian River County Transit Hub | Indian River County Board of County Commissioners | Vero Beach, Florida | 2015 to 2017 | \$24,930:** This project involved the construction of a new intermodal transit hub near downtown Vero Beach. CivilSurv supported the project by providing administration services for the capital portion of a mass transit grant awarded to the County by the Federal Transit Administration. Responsibilities included shop drawing review for Buy America/Buy American compliance. Coordination regarding certified payroll and monthly pay requests.

**Project Engineer | St. Lucie County Administration Complex | St. Lucie County Board of County Commissioners | Ft. Pierce, Florida | 2015 to 2016 | \$32,980:** This project involved the preparation of a preliminary conceptual site plan for the modifications to St. Lucie County Administration Complex. The conceptual site plan considered traffic and pedestrian circulation and various site constraints. Responsibilities included preliminary design for the parking areas and site access.

**Project Engineer | Gibson Oaks Water Plant Site Design | Polk County Utilities Division | Lakeland, Florida | 2019 to 2020 | \$45,000 (site portion):** Responsible for site design layout including drainage, break lines, and roadway elements. Project included approximately 3,500 feet of roadway and drainage components, including considerable amounts of conflict resolution due to seasonal high water table issues (within swamp) and proposed pressure piping routes.

Ms. Meghan Miller functions as a Project Engineer with CivilSurv. She is experienced in performing technical engineering tasks on a variety of infrastructure projects, including water / wastewater utility systems and stormwater systems. Ms. Miller is experienced in the use of AutoCAD Civil3D, ArcGIS, EPANET, and the Microsoft Office suite.

### Project Experience

**Project Engineer | Misc. Drainage Improvements | City of Plant City | Plant City, Florida | 2022 to Present | \$101,391:** This project involved drainage system analysis at several locations throughout the City. CCTV inspection services were utilized to identify defects in existing storm sewer pipes and recommend appropriate rehabilitation. Other areas reviewed involved various localized street flooding concerns. Findings and recommendations for each of the analyzed locations were summarized in a preliminary engineering report including an Engineer’s Opinion of Probable Construction Costs for each location.

**Project Engineer | Stormwater Master Plan Update | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2021 to 2022 | \$126,490:** This project involved the preparation of a comprehensive Stormwater Master Plan for the City, tailored to comply with recent legislation. The project involved coordination with Pinellas County to ensure conformance with County and FDEP guidelines for specific items to be included or addressed in the plan. Topographic survey data and photographs were collected at all known manhole and inlet locations to facilitate the preparation of a citywide H&H model to simulate existing stormwater conditions. Based on an evaluation of the existing stormwater conditions H&H model results, conceptual stormwater improvements projects were identified.

**Engineering Intern | Keystone Heights Substation Slope Stabilization | Seminole Electric Cooperative Inc. | Keystone Heights, Florida | 2021 to 2022 | \$40,000:** This project involved the evaluation of existing slope and erosion issues at the Keystone Heights Substation. Slopes were previously stabilized with a geocell cellular confinement system that had since heaved above the gravel infill and become exposed. The project also involved review of erosion of a grassed slope immediately adjacent to the substation. CivilSurv performed a terrestrial LiDAR scan of the project area to construct a 3D model of the existing conditions. In addition, ground penetrating radar technology was used to locate potential underground improvements that may be disturbed during the slope stabilization construction. Responsibilities included preparation of a data gathering, and engineering design.

**Project Engineer | Webster Turn Drive Reconstruction & Rehabilitation | Sebring Airport Authority | Sebring, Florida | 2021 to Present | \$132,546:** This project involved the design for reconstruction and, in certain areas, repair of existing pavement along the 0.7-mile 2-lane rural roadway section within the airport district. Existing stormwater pipes crossing under Webster Turn Drive were evaluated for rehabilitation or replacement needs. Services included utility coordination, SFWMD ERP modification, and bid phase assistance.

**Project Engineer | Memorial Drive Multi-Use Trail | Highlands County Board of County Commissioners | Sebring, Florida | 2021 to Present | \$150,000:** This project involved the design of 1.4-miles of a new 10-foot-wide multi-use trail within the existing Memorial Drive right of way. The multi-use trail connects with an existing multi-use trail at Pompano Drive and existing sidewalk at Sebring Parkway. The drainage system design concept for the project involved the utilization of existing drainage infrastructure, where possible. This innovative approach required the use of multiple typical cross sections throughout the project and resulted in significant reductions to the overall project costs. The project was performed



### Expertise

- Utility system design and analysis
- Stormwater management system design and analysis
- CADD & GIS

### Education

- BS / Environmental & Mechanical Engineering / Florida Polytechnic University

### Licenses /

### Certifications

- Engineering Intern in FL #1100025880
- NASSCO Pipeline, Manhole & Lateral Assessment Certifications

### Training

- Autodesk Storm & Sanitary Analysis Software
- BMP Trains Software

*% Availability is as much is needed based on specific assignments.*

under a Local Agency Program (LAP) project agreement between FDOT and Highlands County. Responsibilities included drainage system analysis.

**Engineer of Record | West Lake Jackson Stormwater Improvements | City of Sebring | Sebring, Florida | 2021 to Present | \$1,673,864:** This project involved the evaluation of existing drainage infrastructure at 28 outfall locations, existing sanitary sewer, and pavement along approximately 2.7-miles of SW Lakeview Drive. The existing drainage system was generally found to be substandard and conceptual improvements were proposed. Detailed engineering design as completed based on the recommended conceptual improvements. A significant component of this retrofit project includes the addition of water quality treatment of stormwater prior to discharging to Lake Jackson. The existing wastewater system deficiencies included inflow and infiltration issues that were, in many cases, evident in the pavement surrounding manholes. Designed improvements to the wastewater system and roadway were also included as part of the project. This project involved funding coordination for the State Revolving Fund (SRF) loan through the Florida Department of Environmental Protection (FDEP). Due to the size of the project, a phased approach was implemented.

**Engineering Intern | Calusa-Hercules 230kV Access Road | Florida Power & Light Company | Charlotte & Lee Counties, Florida | 2021 to 2022 | \$100,000:** This project involved the redesign of a 3.1-mile portion of new patrol road to access FPL's proposed transmission structure locations along SR 31, near Babcock Ranch. The redesign was required due to proposed improvements along SR 31. Tasks included coordination with the Babcock Ranch development team, FDOT Driveway Connection Permitting, and subsurface utility engineering to verify the location of an existing 26-inch-high pressure Florida Gas Transmission gas main.

**Project Engineer | Estates at Carpenters Site Improvements | Carpenter's Home Estates, Inc. | Lakeland, Florida | 2022 to Present | \$107,100:** This project involves drainage improvements within the existing ±35-acre Continuing Care Retirement Community. The drainage improvements were focused on nuisance flooding areas near the front of Buildings F and K. Site modifications and improvements and were coordinated with a planned addition to the buildings, including a new Chapel for the campus. CivilSurv's scope of services for this project include topographic survey, engineering design, permitting, and construction administration.

**Project Engineer | Ben Hill Griffin, Jr. Elementary School Parking Lot Addition | Polk County Public Schools | Frostproof, Florida | 2021 to Present | \$32,285:** This project involved the design of a parking lot expansion to provide nearly 80 new parking spaces. These new parking spaces were added to accommodate the recently constructed 26 classroom addition on the 25-acre elementary school campus. The SWFWMD permit for the site's 4 existing dry retention stormwater ponds was modified to account for the increased impervious area. CivilSurv also coordinated with the school's leadership to resolve issues related to site traffic circulation during student drop-off and pick-up. Responsibilities included construction plan preparation, drainage calculations, and permitting coordination.

**Project Engineer | Philip O'Brien Elementary School Parking Lot Addition | Polk County Public Schools | Lakeland, Florida | 2021 to Present | \$24,140:** This project involved the design of parking lot expansions to provide nearly 36 new parking spaces. These new parking spaces were added in 3 separate locations on the school's 12.8-acre campus. The SWFWMD permit for the site's existing 3 stormwater management areas was modified to account for the increased impervious area. Responsibilities included construction plan preparation, drainage calculations, and permitting coordination.

**Engineering Intern | Due Diligence Site Assessment – Multiple Sites | Hillsborough County Public Schools | Hillsborough County, Florida | 2021 | \$20,000:** This project involved the assessment of multiple sites for potential development as public elementary, middle, or high school facilities. Due Diligence Site Assessments were initiated as preliminary reviews and advanced to subsequent stages based on the findings of the review and recommendations. Preliminary Site Assessments involved a review of the general site characteristics, planning & zoning, historic features, availability of public facilities, availability of public services, physical characteristics, and drainage & stormwater. Responsibilities included data gathering, analysis, map preparation, and report preparation.

**Engineering Intern | Facilities Master Plan Update Support Services | Florida Polytechnic University | Lakeland, Florida | 2021 | \$5,000:** This project involved support services to the 2021-2031 Facilities Master Plan with respect to roadway, traffic, water and wastewater projections. Responsibilities included data gathering, analysis, and preparation of a letter report to summarize infrastructure projections for the study period.



Mr. Matthew Harvey functions as a Project Engineer with CivilSurv. He is experienced in performing technical engineering tasks on a variety of infrastructure projects, including water/wastewater utility systems and stormwater systems. Mr. Harvey is experienced in the use of AutoCAD Civil3D and the Microsoft Office suite.

### Project Experience

**Project Engineer | West Lake Jackson Stormwater Improvements | City of Sebring | Sebring, Florida | 2022 to Present | \$1,673,864:** This project involved the evaluation of existing drainage infrastructure at 28 outfall locations, existing sanitary sewer, and pavement along approximately 2.7-miles of SW Lakeview Drive. The existing drainage system was generally found to be substandard and conceptual improvements were proposed. Detailed engineering design as completed based on the recommended conceptual improvements. A significant component of this retrofit project includes the addition of water quality treatment of stormwater prior to discharging to Lake Jackson. The existing wastewater system deficiencies included inflow and infiltration issues that were, in many cases, evident in the pavement surrounding manholes. Designed improvements to the wastewater system and roadway were also included as part of the project. This project involved funding coordination for the State Revolving Fund (SRF) loan through the Florida Department of Environmental Protection (FDEP). Due to the size of the project, a phased approach was implemented.

**Project Engineer | Lakeshore Mobile Home Park Wastewater System Improvements | Lakeshore Sebring MHP, LLC | Sebring, Florida | 2022 to Present | \$49,930:** This project involved the design of a new low pressure force main system within an existing mobile home park facility. Onsite Sewage Treatment and Disposal Systems (OSTDSs) were previously used at the site to manage wastewater. However, continued maintenance and rehabilitation to the OSTDSs was no longer an option that FDEP would permit. The new low pressure force main system was designed to replace each of the 14 OSTDSs with grinder pump package stations and a discharge connection to the City of Sebring's public system. CivilSurv's scope of services included topographic surveying, engineering design and permitting.

**Project Engineer | Low Pressure Force Main System | Ft. Pierce Utility Authority | Ft. Pierce, Florida | 2022 to Present | \$394,750:** This project involved the expansion of water and sewer services within 4 developed areas, known as Mariah Circle South, San Lucie Area, Orange Blossom Estates, and the White City Area. These areas include approximately 665 homes. The expansion of sewer services was designed as a low-pressure system. CivilSurv's scope of services for this project included topographic survey, geotechnical engineering, utility coordination, engineering design, and permitting.

**Project Engineer | Water Treatment Plant #4 Improvements | City of Frostproof | Frostproof, Florida | 2022 to Present | \$49,665:** This project involved preliminary design of improvements to the City's WTP #4. Considered improvements included a new well and pump, addition of high service pumps and associated valves, new chlorination building and control room, demolition of obsolete equipment and structures, and miscellaneous site improvements. CivilSurv's scope of services included topographic survey and preliminary design.



### Expertise

- Utility system design and analysis
- Stormwater management system design and analysis

### Education

- BS / Chemical Engineering / Florida Institute of Technology

### Licenses /

### Certifications

- Engineering Intern in FL #1100026033

### Training

- Autodesk Storm & Sanitary Analysis Software

*% Availability is as much is needed based on specific assignments.*

Mr. Haas has more than 40 years of experience in Civil Engineering, design, and construction industry, including utility, earthwork, roadway, and industrial projects. Mr. Haas also has extensive experience in performing field-testing and collection of samples. His experience also includes road ratings and estimates for paving and construction projects, as well as providing written and oral reports for review along with the preparation of contract documents, contract administration, and project proposals to potential government and private clients. Mr. Haas also provides QA/QC for construction plans and documents.

### Project Experience

**Senior Inspector | Sebring Parkway – Phase II-A and II-B | Highlands County Board of County Commissioners | Sebring, Florida | 2020 to October 2022 | \$501,160:** This project involved full-time construction engineering and inspection services for the approximate 1.5-mile roadway improvements project with a construction value of approximately \$15 million. The project involved the 4-laning of Sebring Parkway from US 27 to Youth Care Lane, a roundabout at South Highlands Avenue, new mast arm traffic signals at US 27 and Desoto Road, and associated drainage improvements. Potable watermain and wastewater force main improvements were also included in the project to accommodate the roadway improvements. The project also involved the construction of a new roundabout at the entrance to a hospital, requiring significant coordination. The project included observation of sampling and testing of construction materials, daily reporting, quantity verification, field measurements, payment application review, maintenance of traffic review, and bi-weekly construction progress meetings.

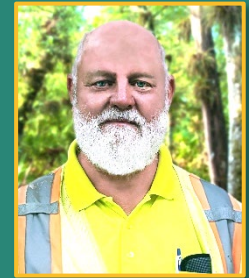
**SUE Crew Leader | F-19 Raw Water Main | City of Port St. Lucie | Port St. Lucie, Florida | 2019 to 2020 | \$175,000:** SUE crew leader, locating gas, large force mains, water, raw water, power, and fiber optic lines in the area of a proposed 2,000 feet long 16-inch HDD under FPL's high voltage corridor and I-95.

**SUE Crew Leader | West Pipkin Road Expansion | Polk County Board of County Commissioners | Lakeland, FL | 2019 to 2020:** SUE crew leader, locating over 10 differing utilities for additional information along a 4-mile corridor for relocation of over \$10 million in utilities and constructing approximately \$40 million in new roadway and drainage.

**SUE Crew Leader | Drane Field Road Water Main | City of Lakeland | Lakeland, Florida | 2019:** SUE crew leader locating existing water main that was found to be 12-inch PVC rather than 6-inch DIP for supplying onsite fire protection to a proposed facility. Due to locating, saved over \$150,000 in construction costs.

**SUE Crew Leader | Old 37 Water Main | Polk County Utilities Division | Lakeland, Florida | 2018 to 2019 | \$135,000:** This project involved the replacement of approximately 11,000 linear feet of water mains, from 8-inch to 12-inch in diameter. The project also included significant utility coordination, subsurface utility engineering, redesign of mains due to property conflict issues, and the implementation of numerous construction techniques including: HDD, Jack & Bore, wet tapping, pipe bursting, temporary service mains, and numerous clearance packages. Responsibilities included SUE crew leader, locating over 8 differing utilities for additional information along the 3-mile corridor for the approximate \$3 million utilities construction project.

**Senior Construction Inspector/Public Relations | Shell Pipeline | Shell Oil Company | Kankakee, Illinois | 2010 to 2012:** Inspection and project management for the potable water hook-ups to 480 residences and farms in response to a class-action lawsuit. Performed daily inspection of contractors and acted as the public contact person for Shell Pipeline, Houston, TX.



### Expertise

- Construction Engineering & Inspection
- Subsurface Utility Engineering

### Education

- High School Diploma
- Civil Engineering & Geology Courses / University of South Florida

### Licenses / Certifications

- FDOT Asphalt Paving – Level 1 CTQP
- FDOT Asphalt Paving – Level 2 CTQP
- FDOT Earthwork Construction Inspection – Level 1 CTQP
- FDOT Earthwork Construction Inspection – Level 2 CTQP
- ACI Concrete Field Testing Technician - Grade 1
- SWFWMD Licensed Well Contractor
- FDOT Intermediate Maintenance of Traffic
- Nuclear Gauge Certification
- National Pollutant Discharge Elimination System
- 15 different OSHA Safety Training Certifications

*% Availability is as much is needed based on specific assignments.*

Mr. Mock has more than 45 years of experience as a Construction and Testing Inspector, including utility, site development, bridge, roadway, and industrial projects. He also has experience in investigating public complaints and making reports on findings, also performs field-testing and collection of samples. Mr. Mock performs road ratings, road estimates for paving and construction projects. Provides written and oral reports for review requested by private contractors, along with the preparation of contract documents, contract administration, and project proposals to potential government and private clients. Also provides QA / QC for construction plans and documents.

### Project Experience

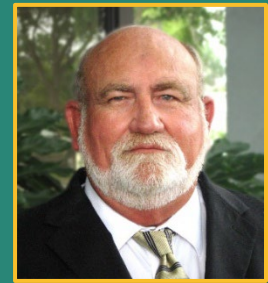
**Senior Inspector | Sebring Parkway – Phase II-A and II-B | Highlands County Board of County Commissioners | Sebring, Florida | 2020 to Present | \$501,160:** This project involved full-time construction engineering and inspection services for the approximate 1.5-mile roadway improvements project with a construction value of approximately \$15 million. The project involved the 4-laning of Sebring Parkway from US 27 to Youth Care Lane, a roundabout at South Highlands Avenue, new mast arm traffic signals at US 27 and Desoto Road, and associated drainage improvements. Potable watermain and wastewater force main improvements were also included in the project to accommodate the roadway improvements. The project also involved the construction of a new roundabout at the entrance to a hospital, requiring significant coordination. The project included observation of sampling and testing of construction materials, daily reporting, quantity verification, field measurements, payment application review, maintenance of traffic review, and bi-weekly construction progress meetings.

**Senior Inspector | US 92 at County Line Road | City of Lakeland | Lakeland, Florida | 2021 to Present | \$165,270:** This project involved full-time construction engineering and inspection services for the widening of County Line Road to accommodate roadway safety improvements. The project involved a railroad crossing, drainage improvements, and various utility adjustments.

**Senior Inspector | Pavement Resurfacing Program (FY 2022) | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2021 to Present | \$14,240:** This project was a continuation of the City’s pavement resurfacing program and involved approximately 4,800-feet of curb construction and approximately 5,300 SY of asphalt roadway repaving. As part of this project, CivilSurv was responsible for facilitating communication between the construction contractor and the City, maintaining project records, review of contractor applications for payment, and construction observation.

**Senior Inspector | CR 68 (Micco Bluff) Roadway Improvements | Okeechobee County Board of County Commissioners | Okeechobee County, Florida | 2020 to 2021 | \$169,920:** Project management and full-time inspection services for the milling, road widening, and resurfacing of CR 68 (Micco Bluff Road) from Kissimmee Cattle Company to Dead End. The project included the removal and replacement of five cross drains. The cross drains had to be replaced 1 side at a time leaving 1 lane of the roadway open to traffic.

**Senior Inspector | NE 304<sup>th</sup> Street Box Culvert Repair | Okeechobee County Board of County Commissioners | Okeechobee County, Florida | 2018 to 2019:** Full-time inspection services for the repair to the box culvert under NE 304th Street.



### Expertise

- Construction Engineering & Inspection
- Constructability Reviews

### Education

- High School Diploma

### Licenses / Certifications

- TIN# M20088354
- FDOT Asphalt Paving Level 1 & 2 CTQP
- FDOT Earthwork Construction Inspection Level 1 & 2 CTQP
- FDOT Concrete Field Technician Level 1
- Final Estimates Level 1
- ACI Concrete Certification
- FDEP Qualified Stormwater Management Inspector #20877
- FDOT Advanced Maintenance of Traffic
- Nuclear Gauge Certification
- National Pollutant Discharge Elimination System, 1995

### Training

- FDOT Study courses
- FDOT Workshop - Specifications Training
- University of Wisconsin-Madison- Improving Public Works Construction Inspection Skills, 2003
- Fundamentals of Customer Service

*% Availability is as much is needed based on specific assignments.*

**Senior Inspector | Potter Road | Okeechobee County Board of County Commissioners | Okeechobee County, Florida | 2018 to 2019:** Full-time inspection services for the replace of the weir structure and stabilization of the banks of Otter Creek south of Potter Road damaged by Hurricane Irma.

**Senior Inspector | River Lakes Estates CEI Services | Okeechobee County Board of County Commissioners | Okeechobee County, Florida | 2017 to 2018:** Construction management and full-time inspection services for the installation of a storm sewer system and driveway culverts for River Lake Estates.

**Senior Inspector | NE 34<sup>th</sup> Avenue Roadway Improvements | Okeechobee County Board of County Commissioners | Okeechobee County, Florida | 2017 to 2018:** Full-time inspection services for the milling and resurfacing of NE 34th Avenue from SR 710 to SR 70.

**Senior Inspector | NE 48th Avenue Pipe Replacement | Okeechobee County Board of County Commissioners | Okeechobee County, Florida | 2017 to 2018:** Full-time inspection services for the replacement of the double pipes under NE 48<sup>th</sup> Avenue damaged by Hurricane Irma.

**Senior Inspector | Lake Istokpoga Structure S-14 Culvert Replacement | Highlands County Stormwater Department | Highlands County, Florida | 2014 to 2015:** Supervision of replacement of culvert and sluice gate.

**Senior Inspector | General Engineering Services | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 1999 to Present:** Stormwater Inspection Projects, Sanitation Sewer Inspection Projects – Gulf Blvd/Shoreline Stabilization/Site Development Projects/FDR & curb replacement.

**Senior Inspector | Advanced Traveler System Signs | Manatee County Board of County Commissioners | Manatee County, Florida | 2007 to 2014:** Full time CEI inspection on Advanced Traveler System Signs and part time CEI on other road projects.

**QA/QC | Miscellaneous Plan Reviews | Manatee County Board of County Commissioners | Manatee County, Florida | 2006 to 2014:** Quality Assurance and Quality Control plan review on roadway, utility and sidewalk projects.

**Senior Inspector/Project Administrator | County Line Road | Polk County Utilities Division | Polk County, Florida | 1998 to 2012:** Overall Construction Management, Supervision and inspection of the County Line Road 4-Lane widening project.

**Senior Inspector | West Pipkin Road Utilities Relocation | City of Lakeland | Lakeland, Florida | 2021 to Present | \$195,000:** This project involved relocation and utility expansion of approximately 4-miles of water and wastewater pipelines. The utility relocations were designed to resolve conflicts with the roadway widening and drainage improvements project. Portions of the existing mains within the project area included asbestos cement pipe to be removed in accordance with FDEP-approved abatement processes.

**Senior Inspector | CDBG Sewer Replacement and Roadway Reconstruction | City of Haines City | Haines City, Florida | 2020 | \$280,000:** This project involved the replacement of approximately 5,300-feet of failed existing 15-inch concrete sanitary sewer main and reconstruction of affected streets. The project also involved replacement of sanitary service laterals from the new sanitary sewer main to the right of way line. The project was permitted through FDEP and funded as a CDBG project.

**Senior Inspector | Polk City Road 20-inch Water Main Extension | City of Haines City | Haines City, Florida | 2014 to 2018 | \$70,560:** This project involved the extension of approximately 1.4-miles of 20-inch potable water main from the east side of US 27 to the City's WTP #1. Construction administration services included review of shop drawings, contractor RFI responses, pressure test observations, and coordination with the City's staff inspector.

**Senior Inspector | Bartow Wastewater Interconnect | Polk County Utilities Division | Polk County, Florida | 2011 to 2015 | \$307,660:** CEI Inspection and Construction Manager for the installation of 3-miles of 16-inch and 24-inch force main for the Bartow Wastewater Interconnect. This project facilitated the closure of the County's central wastewater treatment facility.

**Senior Inspector | Multiple Water Lines | City of Haines City | Haines City, Florida | 2005 to 2020 |:** CEI Inspection on water line and miscellaneous projects. Ingraham Avenue for replacement of 10" waterline, SR 544 and Hwy 27 installed 16" and 8" waterlines, Southeast Quadrant total of 9 miles of 16" waterline, Design Build of Baker Dairy Road and a street scape project for Ingraham Avenue.

Mr. Glass is a multi-faceted surveying and mapping professional with over 38 years of experience. For the past sixteen years as Vice President of Surveying and Mapping Division he has been responsible for managing a team of eight field crews and seven office staff. His expertise includes providing all aspects of survey services required for a wide range of transportation projects. He has been responsible for the production of Florida Department of Transportation Design and Right-of-Way Mapping Surveys for minor design projects such as sidewalk and trails to major interstate design projects. Mr. Glass has experience producing survey products required for multiple types of municipal projects for utility infrastructure expansion, roadway, drainage and building design. In addition to design survey projects, he and his team have completed both Southwest and South Florida Water Management District projects. His team provides subsurface utility exploration services and uses the latest equipment and techniques including terrestrial LiDAR, UAS Mapping to efficiently complete survey and mapping projects.

### Project Experience

**Project Manager | District Wide Survey and Right of Way Mapping | FDOT District One | 1993 to Present | \$1.5 million:** Mr. Glass was a project manager for these contracts for the seven years and has been the client liaison and overall project manager for this task work order contract. He has prepared scopes, negotiated project budgets, scheduled sub-consultant activities and has been responsible for QA/QC of both design and right of way surveys.

**Contract Manager | US 41 (SR45) from Southwinds Drive to Bay Street Lighting Retro-Fit | FDOT District One | Sarasota County, Florida | 2018 | \$17,830:** Mr. Glass managed the survey team for CivilSurv that performed the surveying and mapping services for this lighting project through 4.4 miles of US41 in Sarasota County. The project was completed as a sub-consultant to Scalar Consulting Group, Inc. CivilSurv was responsible for retracing the alignment and computing the existing right of way for this project.

**Contract Manager | SR578 (Bee Ridge Road) from US41 (SR45) to McIntosh Road | FDOT District One | Sarasota County, Florida | 2019 | \$55,025:** Mr. Glass managed the survey team for CivilSurv that performed the surveying and mapping services for this Traffic Operations project that involved the design of signal mast arms at 7 intersections along Bee Ridge Road. Due to existing right of way limits, temporary construction easements were required for the construction of the mast arms. CivilSurv provided boundary surveys and then sketch and description of the temporary construction easements required. This method saved time and money that would have been used if traditional right of way maps were needed. The project was completed as a sub-consultant to Kimley Horn and Associates.

**Project Surveyor | SR 33 (Lakeland Hills Blvd.) from Parkview Place to Granada Street | FDOT District One | Polk County, Florida | 2018 | \$105,723:** CivilSurv under the leadership of Mr. Glass performed the surveying and mapping services for this project as a sub-consultant to Patel, Greene and Associates. The project was needed to improve the roadway and drainage systems through the urban section Lakeland. CivilSurv was responsible for the design survey. All work was performed to District One standards.

**Project Surveyor | SR 45 (US 41) from SR 78 to North Fork Drive | FDOT District One | Lee County, Florida | 2018 | \$107,458:** CivilSurv under the leadership of Mr. Glass performed the surveying and mapping services for this project as a sub-consultant to Connelly and Wicker and Associates. The project was needed to add a six-foot sidewalk along 2.5 miles of SR 45. CivilSurv was responsible for the design survey. All work was performed to District One standards.



### Expertise

- Surveying & Mapping
- Project Management

### Education

- BS / Surveying & Mapping / University of Florida / With Honors

### Licenses /

### Certifications

- Professional Surveyor & Mapper FL# LS5713

### Affiliations

- FL Surveying & Mapping Society (President, 2012-2013, President Elect 2011-2012, Treasurer 2008-2010)
- Ridge Chapter of the Florida Surveying & Mapping Society (President, 2001-2002, Vice President 2000-2001)
- Former member of the FDOT Survey Technical Advisory Committee

*% Availability is as much is needed based on specific assignments.*

**Project Surveyor | SR 45 (US 41) from River Road to Woodmere Park Boulevard | FDOT District One | Sarasota County, Florida | 2018 | \$196,166:** CivilSurv under the leadership of Mr. Glass performed the surveying and mapping services for this project as a sub-consultant to Florida Transportation Engineers, Inc. The project was needed to add a six-foot sidewalk along 5.6 miles of SR 45 in Sarasota County. CivilSurv was responsible for the design survey. All work was performed to District One standards.

**Project Manager & Surveyor of Record | Central Polk Parkway Segments 2, 3, 5 and 6 | FDOT District One | Polk County, Florida | 2014 to 2016 | \$1.39 Million:** The Central Polk Parkway is a proposed toll road in Polk County that will provide, at final completion, a connection between the existing Polk Parkway and Interstate 4. The overall project length is over 40-miles and was separated into 8 project segments. CivilSurv was the preferred teaming partner for 3 separate prime contractors (Kissinger Campo and Associates; Patel, Greene and Associates; and Jacobs Engineering, Inc.) and, under the leadership of Mr. Glass, performed the surveying and mapping services for 4 project segments. These project segments (Segment 2 from US 17 to East Pollard Road; Segment 3 from East Pollard Road to SR 60; Segment 5 from East US 27 to CR 544; and Segment 6 from CR 544 to CR 580) represent 28-miles of the new-alignment. In addition to the design surveys, CivilSurv was responsible for the Right of Way Control Surveys and Right of Way mapping for this project. **Project Surveyor | FP 430749-1 SR 10 (Beaver Street) | FDOT District Two | Duval County, Florida | 2017 to Present | \$53,262:** Mr. Glass and CivilSurv's surveying and mapping team completed the CEI Survey services for this project. The CEI team was led by Hill International. CivilSurv verified the horizontal, vertical control, alignment references and will complete the post construction as-builts when construction is completed.

**Client Manager | District Wide Survey and Right of Way Mapping | FDOT District Two | 2013 to 2019 | \$367,000:** Mr. Glass is the client manager for this contract where he oversees the negotiation of task work orders, scheduling and budget adherence. In addition, he is the quality control manager where he reviews submittals for adherence to the District's standards.

**Project Surveyor | 437319-1 SR 10/U.S. 90 (Beaver Street) | FDOT District Two | Duval County, Florida | 2017 to 2018 | \$34,482:** Mr. Glass was the responsible surveyor in charge of the survey services for this Districtwide task work order project which was two miles in length. The project was required for a roadway design 3R project. Mr. Glass and the CivilSurv team provided horizontal and vertical control, alignment and existing right of way for the project.

**Project Surveyor | FP 432648-1 S.R. 109 Intersection Improvements and S.R. 212 | FDOT District Two | 2018 | \$23,202:** Traffic Signal Update. CivilSurv and Mr. Glass were responsible for the CEI Survey services for this project. The CEI team was led by Hill International. CivilSurv verified the horizontal, vertical control, alignment, references, and the post construction as-builts.

**Project Surveyor | SR 13 Duval County | FDOT District Two | Jacksonville, Florida | 2017 | \$95,630:** A portion of S.R. 13 beginning at Main Street, near Mile Post 13.957 and ending at Acosta Bridge near Mile Post 14.278. Limits go 10' beyond all R/W and 100' beyond main corridor R/W lines at signalized intersections. CivilSurv Design Group Survey Services included setting Project Survey Control Primary, Secondary and Benchmark control. All overhead objects that cross the corridor were located to supplement the Scanned information provided by our sub consultant, Lochrane.

**Project Surveyor | S.R. 102 Jacksonville | FDOT District Two | Duval County, Florida | 2016 | \$90,522:** State Road 102; Design Survey for Resurfacing Project in Duval County. From 2.0 Miles west of I-95 to 0.3 Miles east of I-95. CivilSurv provided Survey Services to prepare a full Design Survey for a 2-mile-long section of State Road 102. Services included underground utility locations and Wetland locations.

**Project Surveyor | FP 436125-1 I-95 at Wickham Road- Interchange Modifications | FDOT District Five | Brevard County, Florida | 2018 | \$55,004:** Mr. Glass and CivilSurv are currently preparing the design surveys for this project in Brevard County as a sub-consultant to KPM Franklin as a task on their Minor Design Contract.

**Project Surveyor | FP 237592-2 SR5 (US-1) from Pine Street to Cidco Road | FDOT District Five | Brevard County, Florida | 2018 | \$173,447:** Mr. Glass and CivilSurv prepared the Right-of-Way Monumentation Maps for this 6-mile section of US-1 in Brevard County. They were responsible for establishing the alignment and setting the right of way monuments and preparing the final Monumentation Map, filed in the Brevard County Clerk's Office.

Mr. Morris has over 23 years of experience surveying, 20 years in responsible charge of accuracy and completeness of boundary surveys, A.L.T.A./A.C.S.M. surveys, topographic surveys, jurisdictional wetland delineation surveys, construction staking / layouts, as-built surveys, record platting, bridge deformation monitoring, Florida Department of Transportation right of way control surveys, right of way maps, and design surveys. He currently is charged with the operation of our Subsurface Utility Services, and Unmanned Aerial Systems mapping including the project planning and production of deliverables.

### Project Experience

**Project Manager | Five Points Roundabout | City of Lakeland/PGA | Polk County, Florida | 2021 | \$22,600:** Purpose of project was for the design of a roundabout at the intersection of lake Beulah Drive & Sloan Avenue including various drainage improvements, signing & pavement marking. Responsibilities included providing 28 Level A Subsurface Utility Investigations and designation of utilities along select areas of the corridor. Verified horizontal & vertical locations of utilities along with respective survey data.

**Project Manager | SR 655 from Coleman Road to CR 542 | Scalar Consulting Group | Polk County, Florida | 2021 | \$40,300:** Purpose of project was for pavement resurfacing, installation of signal strain poles, various drainage improvements, signing & pavement marking. Responsibilities included providing 55 Level A Subsurface Utility Investigations and designation of utilities along select areas of the corridor. Verified horizontal & vertical locations of utilities along with respective survey data.

**Project Manager | Wildwood Subdivision Drainage Improvements | Polk County Board of County Commissioners | Polk County, Florida | 2021 | \$20,000:** Purpose of project was for the re-design drainage to alleviate existing drainage problems inside Wildwood Subdivision. Responsibilities included providing 26 Level A Subsurface Utility Investigations. Verified horizontal & vertical locations of utilities along with respective survey data.

**Project Manager | West Pipkin Road Widening from Dorman Road to State Road 37 | Polk County Board of County Commissioners | Polk County, Florida | 2021 | \$13,000:** This project was for the widening of West Pipkin Road. Responsibilities included providing 19 Level A Subsurface Utility Investigations. Verified horizontal & vertical locations of utilities along with respective survey data.

**Project Manager | Manatee County, 45<sup>th</sup> Street Watermain Lowering from 44<sup>th</sup> Avenue East to 34<sup>th</sup> Avenue East | Manatee County Board of County Commissioners | Manatee County, Florida | 2021 | \$27,000:** Purpose of project was to design a new waterline to replace the existing along 45<sup>th</sup> Street. Completed topographic map of the entire corridor along with right of way determination. Responsibilities included providing 13 Level A Subsurface Utility Investigations. Verified horizontal & vertical locations of utilities along with respective survey data.

**Project Manager | Reclaimed Water Line Design | City of Plant City / HydroSolutions | Hillsborough County, Florida | 2020 | \$35,000:** This project involved the design of a reclaimed water line. Responsible for supervision & QA/QC of utility locating and vacuum excavation activities for reclaimed waterline route design project in Plant City.

**Project Manager | State Road 570 (Polk Parkway) from Mile Post 1 to Mile Post 8 | FDOT Turnpike Enterprise District | Lakeland, Florida | 2019 | \$63,000:** This project was for the milling & resurfacing of pavement along with drainage & safety improvements. Managed all



### Expertise

- LiDAR
- Subsurface Utility Engineering
- Mapping with Unmanned Aerial Systems
- Project Management

### Education

- BS / Geomatics / University of Florida / With Honors
- AA / Engineering / Hillsborough Community College, / With Honors

### Licenses / Certifications

- Professional Surveyor & Mapper FL# LS7261 Issued: 9/25/2019
- Mapping with Small Unmanned Aerial Systems Certificate University of Florida
- FAA Remote Pilot #4223793

### Affiliations

- Florida Surveying and Mapping Society

*% Availability is as much is needed based on specific assignments.*

subsurface utility engineering related activities for 8 miles of State Road 570 including designating utilities and vacuum excavation for entire project.

**Project Manager | County Road 577 at Evenhouse Rd. | Polk County Board of County Commissioners | Polk County, Florida | 2018 | \$4,000:** Directed all utility locating and vacuum excavation activities for signalization project.

**Project Manager | Ariana Street | Polk County Board of County Commissioners | Polk County, Florida | 2018 | \$15,000:** Managed all subsurface utility engineering related activities for one mile between Wabash Avenue and Lotus Avenue for sidewalk improvements including designating and vacuum excavation of utilities.

**Project Manager | Landover Sidewalk Improvements | Hernando County Board of County Commissioners | Spring Hill, Florida | 2021 | \$39,000:** This project generally involved the design survey for 5-foot-wide concrete sidewalks for approximately 1-mile in a community. Responsibilities included 6000' design/ topographic survey project using an unmanned aerial system (drone) with photogrammetry. Project entailed establishing vertical control as well as establishing an alignment, right of way determination, & confirming accuracy of photogrammetry. A point cloud, 3-D break lines, and features were extracted from the dataset using TopoDOT in Microsoft Open Roads Designer & converted to AutoCAD Civil 3D for a final deliverable. Created project network control sheets for inclusion in the contract plans.

**Project Manager | Harlem Community Sidewalk Improvements | Hendry County Board of County Commissioners | Harlem, Florida | 2021 | \$32,400:** This project generally involved the design survey for 5-foot-wide concrete sidewalks for approximately 1-mile in a community. Responsibilities included 0.5-mile design/ topographic survey project using an unmanned aerial system (drone) with photogrammetry. Project entailed establishing vertical control as well as alignment recovery & right of way determination, confirming accuracy of photogrammetry. A point cloud, 3-D break lines, and features were extracted from the dataset using TopoDOT in Microsoft Open Roads Designer & converted to AutoCAD Civil 3D. The root mean square (rms) errors of x, y, and z were within 0.03', 0.03', and 0.02', respectively.

**Project Surveyor | Resurfacing Veterans Spur (SR 568) | FDOT Turnpike Enterprise District/ Core Engineering | Hillsborough County, FL | 2022 | \$147,000:** This project generally involved resurfacing, cross slope analysis, & drainage improvements along State Road 568 (Veterans Spur). Responsibilities included 3-mile design/ topographic survey project using terrestrial LiDAR on State Road 568 (Veterans Spur) between SR 597 (Dale Mabry Highway) & State Road 589 (Veterans Expressway). Project entailed establishing vertical control, densification of horizontal control, alignment recovery, & right of way determination on an accelerated schedule.

**Project Surveyor | Keystone Heights Substation Slope Stabilization | Seminole Electric Cooperative Inc. | Keystone Heights, Florida | 2021 to Present | \$40,000:** This project involved the evaluation of existing slope and erosion issues at the Keystone Heights Substation. Slopes were previously stabilized with a geocell cellular confinement system that had since heaved above the gravel infill and become exposed. The project also involved review of erosion of a grassed slope immediately adjacent to the substation. CivilSurv performed a terrestrial LiDAR scan of the project area to construct a 3D model of the existing conditions. In addition, ground penetrating radar technology was used to locate potential underground improvements that may be disturbed during the slope stabilization construction. Responsibilities included preparation of surveying deliverables.

**Project Manager | Miscellaneous Operational and Safety Improvements | FDOT District Seven/ Peters & Yaffee | Pasco County, FL | 2020 | \$458,000:** This project generally involved operational and safety improvements at the CR 581 (Bruce B. Downs Blvd.) intersections with SR 54 and Eagleston Blvd., along with drainage improvements and resurfacing. Responsibilities included 0.5-mile design/ topographic survey project using terrestrial LiDAR on State Road 581 (Bruce B. Downs Blvd.) at State Road 54. Project entailed establishing vertical control as well as alignment recovery & right of way determination.

**Project Manager | Fort Fraser Trail over SR 60 | FDOT District One | Polk County, Florida | 2020 | \$56,000:** The purpose of this project was for the design of a proposed pedestrian bridge on the Fort Fraser Trail over SR 60. Responsible for 0.6-mile design/ topographic survey project using terrestrial LiDAR on State Road 60 at Fort Fraser Trail. Project entailed establishing vertical control as well as alignment recovery & right of way determination for the addition of a pedestrian bridge over SR 60 connecting Fort Fraser Trail.



Mr. Breed's experience has included leading all phases of infrastructure planning and development in Surveying and Mapping, Engineering, Environmental Sciences, Planning, Design, Agency Permitting, and Construction Management. His career has focused on Public Infrastructure projects. As a Professional Surveyor and Mapper, he has been responsible for route/right-of-way, sectional retracement, boundary, construction, topographic, hydrographic and geodetic control surveys for roadways, electric transmission lines, transportation projects, land acquisition / conservation projects, watershed modeling, and commercial and residential developments. Mr. Breed's credentials as an Educator combined with his expertise in resolution of complex boundary and title problems has established him as an Expert Witness throughout the State of Florida, particularly in eminent domain proceedings and professional practices issues. The following is a sample of his relevant experience.

### Project Experience

**Principal in Charge | West Contract District-Wide Survey and Right-of-Way Mapping | FDOT Turnpike Enterprise | 2018 to 2022 | \$1.5 Million:** Mr. Breed is the principal, providing staffing and management resources for this contract. He reviewed scopes, project budgets, and performed QA/QC of both design and right-of-way surveys.

**Principal in Charge | City of Avon Park Master Contract | City of Avon Park | Avon Park, Florida | 2018 to 2021 | \$50,000:** Principal in charge of general services contract. While previously held, the team has held the contract for the past three years. In that role, Mr. Breed has led the team, deploying resources to complete the various tasks assigned. The contract has included evaluation of stormwater issues and NPDES permitting and compliance.

**Principal in Charge | Okeechobee County Master Contract | Okeechobee County Board of County Commissioners | Okeechobee County, Florida | 2017 to 2021 | Over \$2 million:** Principal in charge of general services contract. In that role, Mr. Breed has led the team, deploying resources to complete the various tasks assigned. The contract has included more than 10 work orders including parks planning, roads and drainage evaluation and CEI, sidewalk design, Public Works Director, and County Engineer.

**Principal in Charge | City of Haines City Master Contract | City of Haines City | Haines City, Florida | 1998 to 2021 | Over \$2 million:** Principal in charge of general services contract. In that role, Mr. Breed has led the team, deploying resources to complete the various tasks assigned. The contract has included dozens of work orders including Master Planning, Hydraulic Modeling, sanitary sewer evaluation and rehabilitation, roads and drainage evaluation and rehabilitation, lift station design, site surveys, linear utilities design and surveys.

**Principal in Charge and QA/QC | Florida Department of Transportation (FDOT) District-Wide Surveying and Mapping | FDOT District 1 | 1993 to 2021 | Over \$15 million:** Principal in charge of surveying contract for approximately three decades. Detailed peer reviews and QA oversight of various design survey and mapping work orders. Although the contracts have been for various amounts, the present contract is for \$1.5 million with over 100 work orders successfully completed.

**Principal in Charge | Polk County Utilities Master Contract | Polk County Utilities Division | Polk County, Florida | 1992 to 2022 | over \$5 million:** Principal in charge of Utilities Design contract for approximately three decades. In that role, Mr. Breed has led the team,



### Expertise

- Surveying & Mapping
- Master Planning
- Community Outreach
- Business Operations

### Education

- BS / Surveying and Mapping / University of Florida College of Engineering
- Currently Geomatics Adjunct Professor, University of Florida

### License

- Professional Surveyor & Mapper FL# LS4089

### Affiliations

- Florida Surveying and Mapping Society: Past President and Life Member
- National Society of Professional Surveyors, Member
- FDACS Approved Instructor and Continuing Education Provider
- Lakeland Area Chamber of Commerce;
- Florida Engineering Society/FICE Professional Practices Committee 2007-2010

*% Availability is as much is needed based on specific assignments.*

deploying resources to complete the various tasks assigned. The contract has included dozens of work orders including Master Planning, Hydraulic Modeling, sanitary sewer evaluation and rehabilitation, lift station design, site surveys, linear utilities design and surveys, standards updates, biological treatment analysis of wastewater treatment facilities, and design and commissioning of multiple water treatment facilities.

**Principal in Charge | City of Sebring Master Contract | City of Sebring | Sebring, Florida | 1984 to Present | Over \$5 million:** Principal in charge of general services contract for nearly four decades. In that role, Mr. Breed has led the team, deploying resources to complete the various tasks assigned. The contract has included dozens of work orders including Master Planning, Hydraulic Modeling, sanitary sewer evaluation and rehabilitation, roads and drainage evaluation and rehabilitation, lift station design, site surveys, linear utilities design and surveys, and wastewater treatment facilities design.

**Principal in Charge | District Continuing Surveying and Mapping Services Contract | FDOT District Seven | 2016 to 2021 | \$5 Million:** Principal in charge of surveying contract. In that role, Mr. Breed has led the team, deploying resources to complete the various tasks assigned. CivilSurv has successfully completed 16 project task work orders for this contract to date for the District.

**Principal in Charge | District-Wide Survey and Right-of-Way Mapping | FDOT District Two | 2013 to 2019 | \$367,000:** Principal in charge of surveying contract. In that role, Mr. Breed has led the team, deploying resources to complete the various tasks assigned. Detailed peer reviews and QA oversight of various design survey and mapping work orders throughout the District Two area based in Lake City.

**Principal in Charge | SR 700/35 (US 98) | FDOT District Seven | Pasco County, Florida | 2021 | \$445,000:** This work order was for a Project Development and Environment (PD&E) Study. Project manager for 11-mile design/ topographic survey. Responsible for establishing primary horizontal & vertical control. Determined alignment & right of way along with control maps.

**Principal in Charge | SR 758 (Midnight Pass Road) | FDOT District One | Sarasota County, Florida | 2020 | \$280,000:** Purpose of project was to transfer ownership of transportation facilities from FDOT to Sarasota County. Responsible for right of way control survey & maintained right of way maps for a 3.9-mile route on Siesta Key. Determined right of way, alignment, & blocks along a densely populated area in Siesta Key.

**Principal in Charge | McKim & Creed -Tampa Bay Next FDOT | FDOT District Seven | Hillsborough County, Florida | 2020 | \$408,000:** Purpose of project is to modernize Tampa Bay area transportation & infrastructure. Assisted with the creation of base maps & sheets for the right of way control surveys for I-4/SR 400 from the Crosstown connector to Orient Road and I-275/SR 93 from south of Willow Avenue to North of Dr. MLK Jr. Blvd, and on I-4/SR400 from I-275 to Selmon Crosstown Connector.

**Principal in Charge | SR 597 (North Dale Mabry) Van Dyke Road to County Line Road | FDOT District Seven | Hillsborough County, Florida | 2018 | \$531,377:** Mr. Breed served as the principal for this contract. The project was required to add lanes to North Dale Mabry Highway in Hillsborough County. Due to the high volume of traffic terrestrial LiDAR was utilized as the data collection method. The project deliverable included creating a 3D design model for the Engineering Designer's use.

**Principal in Charge | Central Polk Parkway Segments 2, 3, 5 and 6 | FDOT District One | Polk County, Florida | 2014 to 2016 | \$1.39 Million:** The Central Polk Parkway is a proposed toll road in Polk County that will provide, at final completion, a connection between the existing Polk Parkway and Interstate 4. The overall project length is over 40-miles and was separated into 8 project segments. CivilSurv was the preferred teaming partner for 3 separate prime contractors (Kissinger Campo and Associates; Patel Greene and Associates; and Jacobs Engineering, Inc.) and, under the leadership of Mr. Glass, performed the surveying and mapping services for 4 project segments. These project segments (Segment 2 from US 17 to East Pollard Road; Segment 3 from East Pollard Road to SR 60; Segment 5 from East US 27 to CR 544; and Segment 6 from CR 544 to CR 580) represent 28-miles of the new-alignment. In addition to the design surveys, CivilSurv was responsible for the Right of Way Control Surveys and Right of Way mapping for this project. All work was performed to FDOT District One standards.

Mr. Allen has practiced land surveying for over 40 years and has participated in every aspect of the profession. He has both field and office survey experience and has acted in the role of Project Surveyor for the past 33 years. His Project Surveyor experience includes an extensive list of clients and duties. Mr. Allen has completed platting projects for CivilSurv's land development partners, FDOT Design, Right of Way Control Surveys and Mapping Projects, FDEP Florida Forever acquisitions, Water Management District projects and numerous County and Municipal clients. He has even filled the role of County Surveyor due to county staffing deficiencies.

### Project Experience

**Consultant County Surveyor | Misc. Development Review | Manatee County Board of County Commissioners | Manatee County, Florida | 2021 to 2022 | \$72,000:** Mr. Allen performed the duties of County Surveyor reviewing subdivision plats while the County Surveyor position was vacant. He reviewed numerous plats of various size for compliance with FS 177 and County.

**Consultant City Surveyor | City of Indian Rocks Beach Continuing Services Contract | City of Indian Rocks Beach | Indian Rocks Beach, FL | 2010 to Present | Contract value varies per task:** Mr. Allen has performed the duties of City Surveyor on an as needed basis. He has reviewed various plats and other permit related documents for this beachfront city in Pinellas County.

**Project Manager | District Continuing Surveying and Mapping Services Contract | FDOT District Seven | 2016 to Present | \$5,000,000:** Mr. Allen has been the survey project manager for various tasks on these contracts that are primarily transportation related. He has been involved in the historic alignment retracements, design and right of way control surveys.

**Consultant County Surveyor | Misc. Development Review Applications | Polk County Board of County Commissioners | Polk County, Florida | 2020 to 2021 | \$80,000:** Mr. Allen has performed the duties of County Surveyor primarily reviewing subdivision plats while the County Surveyor position was vacant. He reviewed over 40 plats varying in size from 4 lots to over 200 lots for compliance with FS 177 and County Code.

**Project Surveyor | City of Lake Wales Continuing Services Contract | City of Lake Wales | Lake Wales, Florida | 2010 to Present:** Mr. Allen has performed as project surveyor for a variety of tasks for the City located in Polk County Florida. These have included boundary surveys, elevation certificates, design surveys and right of way staking.

**Project Manager | District Wide Survey and Right of Way Mapping | FDOT District One | 1993 to Present | \$1.5 million:** Mr. Allen has been the survey project manager for various tasks on these contracts that are primarily transportation related. He has been involved in the historic alignment retracements, design and right of way control surveys.

**Project Manager | Surveying and Mapping Continuing Services | Polk County Board of County Commissioners | Polk County, Florida | 1990 to Present:** Mr. Allen has been the survey project manager for various different projects to support Polk Counties Operations. These have included drainage surveys, roadway design, land fill construction and upgrades, Polk County Jail improvements and utility projects. He is also temporarily serving as County Surveyor and is presently reviewing all plats for the County.



### Licenses / Certifications

- Professional Surveyor & Mapper FL# LS4756 Issued: 2/13/1990

### Expertise

- Platting and Plat Review
- ALTA/NSPS Land Title Surveys
- Boundary, Topographic, As-built (Record) and Jurisdictional Surveys
- Preparation of Legal Descriptions
- Project Management

### Affiliations

Florida Surveying and Mapping Society Ridge chapter

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**Project Surveyor | North River Road Right of Way Mapping | Sarasota County Board of County Commissioners | Sarasota County, Florida | 2020 | \$282,252:** Mr. Allen performed Project Surveyor duties for this Right of Way Mapping project for Sarasota County. The total length of the project was 5.5 miles starting at US 41 and ending at Venice Avenue and had 26 parcels. Since North River Road was being transferred to FDOT as a design-build construction project, the maps had to be produced in 3 months. The CivilSurv team met the challenge.

**Project Manager | Don Emerson Drive Roundabout | City of Lakeland | Lakeland, Florida | 2020 | \$69,250:** Mr. Allen managed the Design Surveying and Right-of-Way Mapping effort for this project in the City of Lakeland. The project involves the design of a new roundabout at the entrance to the entrance of the Publix Headquarters on SR 572. The LAP project was completed as a sub-consultant to Patel, Greene and Associates.

**Project Surveyor | TB Next I-4 from Cross Town Expressway to Orient Road | FDOT District Seven | Tampa, Florida | 2019 | \$407,881:** This project was completed to provide 4 miles of Control Survey Mapping through the Interstate 4 corridor for the design of major express way improvements through historic Ybor City in Tampa. The property and existing right of way retracement was particularly challenging due do the age and history of the corridor. Mr. Allen served as the lead technical surveyor for the CivilSurv's team to complete the Control Survey in under 16 months.

**Project Manager | Continuing Services Contract | Southwest Florida Water Management District | 2015 to 2019:** Mr. Allen was the lead survey project manager for this contract. He led CivilSurv's effort to complete boundary surveys for acquisition, perpetual easements, and well sites. Specific Purpose Surveys of jurisdictional wetland limits.

**Project Surveyor | Gibson Oaks Water Plant Facility and Waterline Project | Polk County Utilities Division | Lakeland, Florida | 2018 | \$135,500:** Mr. Allen served as the project surveyor for this major project that involved the design of a new water plant and raw and potable water lines. The water plant facility involved the mapping of a 25-acre site and the waterline portion of the project extended 6 miles through the Lake Gibson area of Polk County. Mr. Allen was in responsible charge of the survey data collection, mapping of the exiting right of way, sub-surface utility locates and designates along with production of the required utility easement legal descriptions.

**Project Surveyor | SR82 from Lee County Line to Collier County Line | FDOT District One | Hendry County, Florida | 2017 | \$100,460:** Mr. Allen was responsible for the right of way control survey and right of way mapping for this 3.98-mile project. This included the retracement of section lines and subdivisions along the project and subsequent mapping to District One standards. The project was completed as a sub-consultant to McKim & Creed for the widening of SR 82.

**Project Surveyor | SR82 from Hendry County Line to SR29 | FDOT District One | Collier County, Florida | 2017 | \$105,460:** Mr. Allen was responsible for the right of way control survey and right of way mapping for this 4.05-mile project. This included the retracement of section lines and subdivisions along the project and subsequent mapping to District One standards. The project was completed as a sub-consultant to McKim & Creed for the widening of SR 82.

**Project Surveyor | SR93 (I-75) at U.S. 301 Interchange | FDOT District One | Manatee County, Florida | 2015 to 2017 | \$166,233:** Mr. Allen was responsible for the Right-of-Way Control Survey computations and right of way mapping for this 1.15-mile project. The project involves the redesign of the I-75 at US 301 Interchange and included the expansion of the bridges over the Manatee River. The work was completed as a sub consultant to Kissinger Campo & Associates.

**Project Manager | Central Polk Parkway Segments 2, 3, 5 and 6 | FDOT District One | Polk County, Florida | 2014 to 2016:** Mr. Allen performed the role of project manager for these projects as a sub-consultant to Kissinger Campo and Associates, Patel Green and Associates and Jacobs Engineering, Inc. These projects represent 28 miles of new-alignment through central Polk County, Florida. Mr. Allen led the effort to complete the right of way control surveying. All work was performed to District One standards.

Mr. Kiernan is a proven Surveyor and Mapper with over 40 years of experience. He has coordinated with both private and public sectors in preparing boundary surveys, topographic surveys, plat preparation for recordation, ALTA/ACSM surveys, rights of way mapping, route surveys, jurisdictional boundary surveys, as-built surveys, legal descriptions and easement preparation.

### Project Experience

**Project Surveyor | Surfside, North Hutchinson Island Drainage Study | Kimley-Horn | St. Lucie County, Florida | 2022 | \$23,750:** Post processed field data and prepared a Topographic Route Survey along roadways within Surfside Subdivision for the design and installation of new drainage system.

**Project Surveyor | 34<sup>th</sup> Avenue Drainage Study | Kimley-Horn | Vero Beach, Indian River County, Florida | 2022 | \$9,975:** Prepared a Topographic Route Survey along existing drainage canal at rear of residential lots along 34<sup>th</sup> Avenue for the design and installation of new drainage system.

**Project Surveyor | Palmetto Flats | Environmental land Development, Inc. | St. Lucie County, Florida | 2021 | \$28,342.50:** Prepared a multi-lot subdivision within the state and local guidelines suitable for approval and recordation by St. Lucie County Board of County Commissioners.

**Project Surveyor | Miscellaneous Projects | Jacquin & Sons, Building Contractors | St. Lucie County, Florida | 2021 | \$31,412.50:** Prepared initial Boundary and Topographic survey for engineering design of commercial sites. Provided Construction staking, As-Built Surveys and prepared Easement documents for the appropriate agencies.

**Project Surveyor | Misc. Surveying Services | Ahrens Companies | Port St. Lucie, Florida | 2020 | \$25,900:** Provided Construction staking, As-Built Surveys and prepared Easement documents for the Port St. Lucie Priveville Water Treatment plant additions.

**Project Surveyor | Salerno Road Sidewalk Improvements | Martin County Board of County Commissioners | Martin County, Florida | 2020 | \$13,850:** Post processed field data and prepared a Topographic Route Survey of approximately 1 mile of right-of-way improvements along Southeast Salerno Road for the design and installation of public sidewalks.

**Project Surveyor | Treasure Coast Research and Education Park – Core Campus Re-Plat | St. Lucie County Board of County Commissioners | Fort Pierce, Florida | 2019 | \$16,195:** This site was collectively created by the County and the University of Florida as an agriculturally-and-biotechnologically-focused research park and is anchored by the USDA’s 170,000-sf Horticultural Research Laboratory and the 90,000-sf UF Institute of Food and Agricultural Sciences’ Research and Education Center. The site consists of 356-acres with plans for future expansion to over 1,000-acres. Responsibilities includes preparation re-plat of the County property together with the accompanying boundary survey.

**Project Surveyor | Port Salerno-New Monrovia Topographic Survey, Neighborhood Water and Sanitary Sewer, Drainage / Road Improvements Program | Martin County Board of County Commissioners | Martin County, Florida | 2019 | \$161,900:** Prepared a topographic survey of approximately 13.5 miles of residential roadway right-of-way, including the finished floor elevations of the adjacent homes.



#### Expertise

- Boundary and Topographic Surveying
- Platting
- Construction Surveying
- Project Management

#### Education

- Indian River State College

#### Licenses / Certifications

- Professional Surveyor & Mapper FL# LS6101 Issued 7/11/2000

#### Affiliations

- Indian River Chapter of the Florida Surveying & Mapping Society
- Greater Palm Beach JDRF (Juvenile Diabetes Research Foundation) Walk Committee

*% Availability is as much is needed based on specific assignments.*

**Project Surveyor | 6520 53<sup>rd</sup> Street, Indian River County Board of County Commissioners, Indian River County, Florida | 2017 | \$19,975:** Prepared a Boundary and Topographic Survey for the design. This project consisted of a 20-acre parcel in addition to the adjacent road Right-of-Ways and cross sections of the North Relief Canal Right-of-Way.

**Project Surveyor | Old Palm City Topographic Survey, Neighborhood Sewer to Septic and Drainage/Road Improvements Program | Martin County Board of County Commissioners | 2016 | \$111,900:** Prepared a topographic survey of approximately 15 miles of residential roadway Right-of-Way within the old section of Palm City, including the Finished Floor Elevations of the adjacent homes.

**Project Surveyor | North Hutchinson Island Force Main SUE Services | St. Lucie County Board of County Commissioners | St. Lucie County, Florida | 2016 | \$117,250:** This project consisted of 10 miles of Topographic Survey of the A1A Right-of-Way and the Subdivisions. Responsible for production of a Topographic Route Survey of route.

**Project Surveyor | State Road A-1-A | St. Lucie County Board of County Commissioners | St. Lucie County, Florida | 2015 | \$28,425:** Conducted design surveys, horizontal and vertical control aerial surveys, and right-of-way map preparation for approximately 4 miles of roadway improvements.

**Project Surveyor | FEC Railroad Right-of-Way Corridor Exhibit | Martin County Board of County Commissioners | Martin County, Florida | 2015 | \$19,375:** Review of Graphic/Approximate Plotting of the County-Furnished deeds of the FEC Corridor through Martin County, Florida (approximately 210 documents). The reviewed deeds were overlaid on the 2015 Martin County GIS Map with 2015 Aerials and Parcel layer provided by Martin County for the purpose of distinguishing fee-simple rights vs. easements or other acquisitions.

**Project Surveyor | Misc. Residential Developments | Montage – Kolter Properties | St. Lucie County, Florida | 2006 to 2009:** Created boundary and topography surveys and multiple subdivision plats for large scale land development.

**Project Surveyor | Raceway Redevelopment Project | Palm Beach International Raceway | Palm Beach, Florida | 2006:** Pre-construction topographic data collection and record as-built survey of redesigned and rebuilt race track on 186-acre parcel. Prepared ALTA/ACSM survey of final improvements.

**Project Surveyor | Hobe Sound Elementary School | School Board of Martin County | Hobe Sound, Florida | 2004:** Prepared boundary and topographic surveys.

**Project Surveyor | Warfield Elementary School | School Board of Martin County | Indiantown, Florida | 2004:** Prepared boundary and topographic surveys.

**Project Surveyor | Multiple Deep Well Injection Sites | Seacoast Utility Authority | 2003:** Prepared multiple boundary and topographic surveys of proposed deep injection well location sites.

**Project Surveyor | Stuart Jet Center | Martin County Board of County Commissioners | Martin County, Florida | 2002:** Extensive topography of existing airport hangers and surrounding improvements and multiple boundary surveys.

**Project Surveyor | Thomas B. Manual Bridge | Martin County Board of County Commissioners | Martin County, Florida | 2002:** Prepared right-of-way map and boundary survey for the Florida Turnpike.

**Project Surveyor | Misc. Surveying Services | Ft. Pierce Utility Authority | Ft. Pierce, Florida | 2001:** Prepared utility route surveys and produced sketch and descriptions for land acquisition/conveyance.

Mr. Worack has more than 35 years of experience in construction, boundary, right-of-way, topographic, and control surveys. He also has extensive experience in the supervision and management of field survey crews. Mr. Worack is trained in the processing of survey computer data, including Electronic Field Book (EFB) Data collection. As the Safety Training Supervisor for all CivilSurv’s field crews, he is certified in the Maintenance of Traffic (MOT) Safety programs of the Florida DOT and the CSX Transportation on Track Worker Safety program. He has further experience including project management of final survey drawings, boundary and topographic surveys, DTMs and engineering calculations. Additionally, he has been involved in many large public sector projects involving boundary, design and topographic surveys from initial planning and bidding through completion. He is also proficient in industry-related software. As Section Leader for CivilSurv SUE Services, he supports all of our offices statewide with a full array of utility resources and expertise for both locations and designations.

**Project Experience**

**Project Manager | Miscellaneous Surveying and Mapping | FDOT District 2 | 2011 to 2015 | \$200,000:** Project Manager responsible for overseeing activities associated with Miscellaneous Survey Contract providing control and design surveying for projects including: Clay Driggers: (386) 961-7088.

- S. R. 5 Control Survey from Gulf Life Drive to Louisa St.
- Dillon Road Bridge replacement: Contracted under Hill International Verified the existing control and provided Final Survey for information for project closeout.
- S.R. 10 Improvements: Contracted under Hill International Verified the existing control and provided Final Survey for information for project closeout.
- S.R. 10 Control Survey from Edgewood Ave. to McDuff Ave.

**Project Manager | Lyons Road SUE Services for RJ Behar | City of Boca Raton | Boca Raton, Florida | 2015 | \$95,000:** Complete utility coordination, locations and designations for this major reconstruction project.

**Survey & SUE Project Manager | North Hutchinson Island Force Main SUE Services | St. Lucie County Board of County Commissioners | St. Lucie County, Florida | \$175,000:** This project consisted of a 10 mile of Topographic Survey of the A1A Right-of-Way and the Subdivisions. All underground utilities were located using GPR and or conventional Utility Locators.

**Project Surveyor | Treasure Coast Research and Education Park – Core Campus Re-Plat | St. Lucie County Board of County Commissioners | St Lucie County, Florida | 2020 to Present | \$16,195:** prepared the revised plat for the County. Leslie Olson AICP (772) 462-1961

**Project Manager | Miscellaneous Surveying & Mapping | Indian River County Board of County Commissioners | Indian River County, Florida | 2016 to Present | \$50,000:** Boundary and Topographic Survey for the design. This project consisted of a 20-acre parcel in addition to the adjacent road right-of-ways and cross sections of the North Relief Canal Right-of-Way. David Schryver P.S.M.

- State Road 512 Fillsmere As-Built Survey
- 7595 66<sup>th</sup> Ave.
- North Relief Canal Right-of-Way

**Project Manager | Martin County Continuing Survey | Martin County Board of County Commissioners | Martin County, Florida | 2010 to Present (ongoing) | \$71,000:** Project manager for the Salerno/ North Hobe Sound responsible for overseeing a Benchmark Densification Project



**Expertise**

- Project Management
- Construction Surveying

**Education**

- High School Diploma

**Licenses / Certifications**

- Maintenance of Traffic (MOT) for the Florida Department of Transportation
- On-Track Safety Certification for the CSX Railroad

*% Availability is as much is needed based on specific assignments.*

consisting of over 50 miles of third order level runs and establishing more than 125 permanent Martin County Benchmarks.  
Tom Walker PSM (772) 288-5928

**Project Surveyor | Prineville Water Treatment Plant, Ahrens Companies | City of Port St. Lucie | Port St. Lucie, Florida | 2020 to 2021 | \$25,900:** Provided construction staking, as-built surveys, and prepared easement documents for the Port St. Lucie Prineville Water Treatment plant additions. Jerry Holt: (561) 863-9007

**Project Surveyor | Midway Road: Canal 92 and Canal 84 Crossings | St. Lucie County Board of County Commissioners | St. Lucie County, Florida | 2018 to 2020 | \$80,000:** Replacement of 72-inch and 48-inch CMP culverts that had soil-cement headwalls with RCP culverts that have structures and concrete headwalls. Project includes evaluation of options, combining multiple drainage pipes into a structure, adding guardrail, MOT component, and stabilizing area.

**Project Surveyor | Port Salerno- New Monrovia Topographic Survey, Neighborhood Water and Sanitary Sewer, Drainage/Road Improvements Program | Martin County Board of County Commissioners | Martin County, Florida | 2017 | \$161,900:** Prepared a topographic survey of approximately 13.5 miles of residential roadway Right-of-Way including the Finished Floor Elevations of the adjacent homes.

**Project Surveyor | North Hutchinson Island Force Main SUE Services | St. Lucie County Board of County Commissioners | St. Lucie County, Florida | 2015 to 2016 | \$74,250:** This project consisted of a 10-mile topographic survey of the A1A Right-of-Way and the Subdivisions. All underground utilities were located using GPR and or conventional Utility Locators.

**Project Surveyor | FEC Railroad Right-of-Way Corridor Exhibit | Martin County Board of County Commissioners | Martin County, Florida | 2015 | \$19,375:** Review of Graphic/Approximate Plotting of the County-Furnished deeds of the FEC Corridor through Martin County, Florida (approximately 210 documents). The reviewed deeds were overlaid on the 2015 Martin County GIS Map with 2015 Aerials and Parcel layer provided by Martin County for the purpose of distinguishing fee-simple rights vs. easements or other acquisitions.

**Project Surveyor | Old Palm City Topographic Survey, Neighborhood Sewer to Septic and Drainage/Road Improvements Program | Martin County Board of County Commissioners | Martin County, Florida | October 2015 | \$111,900:** Prepared a topographic survey of approximately 15 miles of residential roadway Right-of-Way including the Finished Floor Elevations of the adjacent homes.

**Project Surveyor | Willoughby Blvd. Extension Parcel Acquisition Surveys | Martin County Board of County Commissioners | Martin County, Florida | 2013 | \$5,660:** Boundary Surveys for 9 parcels and the prepared sketch and descriptions.

**Project Manager | American Ditch Improvements | Martin County Board of County Commissioners | Martin County, Florida | 2013 | \$20,383:** This property consists of approximately 40.0+/- acres of heavily wooded land. Topographic features were obtained based on a two hundred-foot (200') grid plus or minus (extending 25' beyond the property lines) with the location of intermediate highs and lows obtained.

**Project Surveyor | Boundary and Topographic Survey Services, Quinn Parcel Addition | City of Palm City | Palm City, Florida | 2012 | \$9,975:** ALTA/ACSM Boundary and Topographic Survey of an approximately 9-acre parcel in Palm City, Florida.

**Project Manager | FiberNet | Florida Power and Light | Various Locations | 2010 to Present | ~\$50,000:** Project Manager for an ongoing project involving the preparation of Utility Easements for 128 Sub Station sites and other various sites throughout the state of Florida.

**Project Manager | Light Miscellaneous Surveying & Mapping | Florida Power and Light | Riviera Beach, Florida | 2010 to Present | \$200,000:** Project Manager and client contact for ongoing miscellaneous surveying and mapping projects listed below:

- Midway Road; 2 Mile Right-of-Way and Design Survey for Transmission upgrades and a new Sub Station.
- Riviera Beach Phase 1 (Four Miles) and Phase 2 (8 miles) Transmission Corridor Topographic Survey and Construction staking.
- Marin / Corbett Right-of-Way and Design Survey
- 1.5 Mile Right-of-Way and Design Survey for the Existing FPL Corridor
- Sugar Ranch: 4 Mile Right-of-Way and Design Survey for Transmission upgrades and a new Sub Station.
- Turkey Point: Ongoing 10-year project to elevate and maintain Piezometer readings and existing cooling cell staff gauges
- Locher Technologies: Locate and elevate 203 Piezometers with the Indiantown, Martin County Florida Power and Light Plant



Ms. Hetty Harmon serves as the Senior Planner for CivilSurv. She is experienced in planning and land development gained from her work with governmental agencies and developers. This experience includes planning, land development, construction management and permitting. Additional experience includes development review, land use analysis, engineering reviews, GIS, implementation and enforcement of development codes and ordinances, neighborhood revitalization plans, utility coordination, public/private partnerships, streetscape plans, historic/architectural guidelines, corridor studies, capital improvement plans and served as a Planning Commissioner for Summit County, Colorado. Other duties have included coordination for developers of planning, engineering, marketing, financing and construction management of numerous residential and commercial developments.

### Project Experience

**Senior Planner | Consultant City Planning Services | City of St. Pete Beach | St. Pete Beach, Florida | 2022 to Present | \$25,000/yr:** Planning Consultant for the City, assisted in development reviews from boat docks to major mixed use site developments. Trained new staff on zoning reviews and prepared zoning matrix for quick reference. Project reviews were handled thru the City's online permitting system.

**Senior Planner | Land Use Changes | City of Haines City | Haines City, Florida | 2022 to Present | \$28,000:** Prepared Land Use Change staff reports, ordinances, impact statements and associated maps for numerous parcels in the City that had been recently annexed.

**Senior Planner | Estates at Carpenters Site Improvements | Carpenter's Home Estates, Inc. | Lakeland, Florida | 2022 to Present | \$107,100:** This project involves drainage improvements within the existing ±35-acre Continuing Care Retirement Community. The drainage improvements were focused on nuisance flooding areas near the front of Buildings F and K. Site modifications and improvements and were coordinated with a planned addition to the buildings, including a new Chapel for the campus. CivilSurv's scope of services for this project include topographic survey, engineering design, permitting, and construction administration.

**Senior Planner | Stormwater Master Plan Update | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2021 | \$126,490:** This project involved the preparation of a comprehensive Stormwater Master Plan for the City, tailored to comply with recent legislation. The project involved coordination with Pinellas County to ensure conformance with County and FDEP guidelines for specific items to be included or addressed in the plan. Topographic survey data and photographs were collected at all known manhole and inlet locations to facilitate the preparation of a citywide H&H model to simulate existing stormwater conditions. Based on an evaluation of the existing stormwater conditions H&H model results, conceptual stormwater improvements projects were identified.

**Senior Planner | Facilities Master Plan Update Support Services | Florida Polytechnic University | Lakeland, Florida | 2021 | \$5,000:** This project involved support services to the 2021-2031 Facilities Master Plan with respect to roadway, traffic, water and wastewater projections. Responsibilities included data gathering, analysis, and assisting in the preparation of a letter report to summarize infrastructure projections for the study period.

**Senior Planner | Due Diligence Site Assessment – Multiple Sites | Hillsborough County Public Schools | Hillsborough County, Florida | 2021 | \$20,000:** This project involved the assessment of multiple sites for potential development as public elementary, middle, or high school facilities. Due Diligence Site Assessments were initiated as preliminary reviews and advanced



### Expertise

- Urban Planning
- Utility Coordination
- Permitting
- Grant Funding Coordination

### Education

- MS / Urban and Regional Planning / University of Colorado
- Urban Design and Architecture Courses / University of Wisconsin-Milwaukee
- BS / Design / University of Wisconsin-Madison

### Licenses /

### Certifications

- AICP Certified Planner No. 019199

### Training

- GIS

### Affiliations

- American Institute of Certified Planners
- American Planning Association, Heart of Florida Section  
Treasurer 2009-2011 & 2019-2021  
Secretary 2011-2013  
Vice Chair 2013-2014  
Chair 2014-2017

*% Availability is as much is needed based on specific assignments.*

to subsequent stages based on the findings of the review and recommendations. Preliminary Site Assessments involved a review of the general site characteristics, planning & zoning, historic features, availability of public facilities, availability of public services, physical characteristics, and drainage & stormwater. Responsibilities included data gathering, analysis, map preparation, and assisting in the report preparation.

**Senior Planner | SWFWMD Grant Funding Applications | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2009 to Present | \$60,000:** Prepared numerous SWFWMD grant applications for various storm water improvements in Indian Rocks Beach. The City received \$100,000 for the implementation of the project located at Harbor Drive North and South, \$77,928 for the 6<sup>th</sup> Avenue Stormwater Quality Improvements and most recently \$90,000 for the Harbor Dr and La Hacienda project.

**Senior Planner | Consultant City Planning Services | City of Indian Rocks Beach | Indian Rocks Beach, Florida | 2006 to Present | \$70,000/yr:** Planning Consultant for the City, handle day to day planning questions and all development reviews, prepared the EAR based comprehensive plan amendments. Updated the comprehensive plan data and analysis required for the EAR based amendments. Updated the City's Land Development regulations based on the approved EAR amendments. Reviewed site plans for consistency with the Comprehensive Plan and with the Land Development Regulations. Performed on-site inspections to determine consistency with the approved development plans. Updated the flood plain ordinance for FEMA approval. Prepare staff reports and attend meetings for Board of Adjustments and Planning and Zoning Board.

**Senior Planner | Planned Unit Development Modification | Estates at Carpenters | Lakeland, Florida | 2021 | \$14,200:** Managed the modification of the Estates at Carpenters PUD to add a new assisted living building, chapel, pavilion, enlarged dining area and unit independent living building. Represented client at all Planning Commission and City Commission meetings.

**Senior Planner | Airport Road Commercial Development | Palm Airport Road, LLC | Lakeland, Florida | 2021 | \$15,000:** Managed the Planned Unit Development within the City of Lakeland. The proposed conceptual improvements consisted of 2 retail parcels. Parcel 1 included a 9,000-square foot free-standing retail building and Parcel 2 included a 20,000-square foot strip retail building. Responsibilities included coordinating conceptual site plans with Client and City of Lakeland, preparing the land use applications and attending the Planning Commission and City Commission meetings.

**Senior Planner | South Pipkin Development | Souryarn Naman, LLC | Lakeland, Florida | 2021 | \$19,820:** This project involved boundary and topographic surveying, conceptual site planning, and preliminary engineering design for a proposed gas station and convenience store on a parcel with a separate retail building and outparcel. Responsibilities included coordinating the conceptual site plan preparation.

**Project Coordinator | Update Land Use and Zoning Maps | City of Lake Wales | Lake Wales, Florida | 2018 to 2020 | \$2,000:** Updated the zoning and land use maps utilizing ArcGIS.

**Senior Planner | Misc. Development Reviews | City of St. Pete Beach | St. Pete Beach, Florida | 2022 & 2018 | \$25,000:** Performed land development permit reviews on an as needed basis while replacing staff. Permit review was completed thru their online permitting system. And worked with applicants thru email and telephone.

**Senior Planner | Gibson Oaks Water Production Facility Land Use Change | Polk County Utilities Division | Polk County, Florida | 2016 | \$27,071:** Prepared the application package for Level 4 Large Scale Comprehensive Plan Amendment, prepared conceptual site plan and attended the Planning and County Commission Public hearings.

**Senior Planner | Okeechobee Sidewalk Master Plan | Okeechobee County Board of County Commissioners | Okeechobee County, Florida | 2016 | \$49,240:** A sidewalk masterplan was developed to determine the sidewalk needs in the County. We coordinated with the Okeechobee School Board Transportation Department, Parent/Teacher organizations, County Planning and Public Works Departments, Sheriff's Department and various civic organizations. The sidewalks were identified and ranked based on the following: Pedestrian destinations i.e., Parks, Schools, Shopping, a more enjoyable neighborhood experience, connectivity of neighborhoods, efficient use of public property and the preservation of private property and the Provisions of F.S. Chapter 1006.23 and the safety of school children. ArcGIS was utilized for map preparation and to determine the lengths of the proposed sidewalks. The master plan was utilized in the Safe routes school grant application showing the need for sidewalks around the elementary schools.

## EMILYVETTE DEGAETANO, PLA, ISA

### Senior Landscape Architect



#### Education

B.L.A., Landscape Architecture,  
University of Georgia, 2004

#### Registrations/Licenses

Professional Landscape  
Architect, Florida,  
LA6667080, 12/23/2010

#### Certifications

Certified Arborist/International  
Society of Arboriculture/#FL  
5660A (2007)

FDOT Temporary Traffic Control  
– Intermediate Certificate #46347  
(2018)

FDEP Qualified Stormwater  
Management Inspector #41955  
(2019)

OSHA 10-Hour Construction  
Safety and Health Certification  
Council of Landscape  
Architectural Registration  
Boards/ Certificate #20273  
(2019)

#### Work Experience

Patel, Greene and Associates  
2020 - Present

AECOM  
2004 - 2020

#### Contact

12570 Telecom Drive  
Temple Terrace, FL 33637  
813.978.3100  
emilyvette.degaetano@  
patelgreene.com

*\*Experience prior to joining PGA*

Emily is the Director of Landscape Architecture for Patel, Greene and Associates (PGA). She has been active in landscape architecture, master planning, landscape design, arboricultural assessments, and post design services during construction for more than 18 years. Her expertise includes project management, client coordination, public involvement, technical writing, and technical plans review. Specializing in the transportation sector, she is accomplished in interstate, highway and interchange beautification, landscape design for speed management, low-volume drip and traditional overhead irrigation systems, and urban streetscape design. Emily is also experienced at trail planning and design, parks and recreation design, and private retail/commercial development.

#### Experience

**\*Districtwide Transportation Enhancement Project Assistance, FDOT District Two, Landscape Architect:** Emily provided landscape architecture, engineering, and planning services to the District for the review of transportation enhancement grant applications submitted by municipalities in District Two counties. She was responsible for assessing proposals to construct multi-use trails, sidewalks, and trailhead facilities located within state and local road rights-of-way, former rail corridors, and other public lands. Tasks included documenting existing conditions, opportunities and constraints, and generating conceptual site plans, typical sections, and support documentation.

**General Engineering Consultant, FDOT District One, Senior Landscape Architect:** PGA is the prime consultant for this contract serving as an extension of FDOT District One by providing a variety of services that include design, program management, project management, RFP development, staff augmentation, and plans reviews. Emily currently provides Landscape Architecture support by assisting the District Landscape Architect with design, landscape plans, construction documents reviews, internal peer reviews, field reviews, project coordination, work program assistance, Florida Scenic Highways Program support, and coordination meetings with Department staff, consultants, and local agencies.

**General Engineering Consultant, FDOT District Seven, Interim District Landscape Architect:** PGA is the prime consultant for this contract serving as an extension of FDOT District Seven by providing a variety of services, including transportation design, scoping and RFP development, staff augmentation, and plan reviews. Emily currently serves as the interim District Landscape Architect and manages D7's Districtwide Landscape Architecture Design contract and landscaping projects. She coordinates with District management, maintains project schedules, and assists with programming for landscape projects. She provides technical expertise with post-design services to the Maintenance and Construction office, assists with implementing the District-reimbursable landscape program, and serves as a liaison between the District and local municipalities. Emily also serves as the District Beautification Grant Coordinator and collaborates with the Department's State and District Landscape Architects.

## EMILYVETTE DEGAETANO, PLA, ISA

### Senior Landscape Architect

**SR 64 at Greyhawk Blvd. Roundabout, Manatee County, FL, FDOT District One, Landscape Architect of Record:** PGA was the prime consultant on this project, designing a multi-lane roundabout to improve safety and accessibility along SR 64. The scope of work included major reconstruction of the intersection, drainage improvements, and utility coordination. Emily was responsible for coordinating the final landscape design with the District Landscape Architect. She also provided post-design services during construction.

**\*I-75 (SR 93)/SR 50 (Cortez Blvd.) Landscape Improvements, Hernando County, FL, FDOT District Seven, Senior Landscape Architect:** This project was designed to provide an aesthetically pleasing, predominantly native landscape enhancement to this well-traveled interchange. Emily assisted with the design efforts, construction document production, and preparation of opinion of probable construction costs. She also performed post-design services including shop drawing reviews, plant material approvals, and field reviews to coordinate selective clearing and grubbing areas.

**\*Selmon W. Expressway (SR 618) Extension Design-Build, Hillsborough County, FL, Tampa Hillsborough Expressway Authority (THEA), Landscape Architect of Record:** This project included a new 8,000-ft concrete segmental box viaduct and a series of ramps that will connect the new viaduct to the existing Lee Roy Selmon Expressway, Gandy Blvd., and Dale Mabry Hwy. The focus of the design was to add visual interest and soften the medians located beneath the elevated viaduct while utilizing shade-tolerant plant material.

**\*SR 430 (Oakridge Blvd.) Landscape Plans, Volusia County, FL, FDOT District Five, Senior Landscape Architect:** As the General Engineering Consultant, Emily assisted FDOT District Five with the landscape design and plans production as part of the in-house design for SR 430 (Oakridge Blvd.). This RRR project proposed roadside upgrades, including reducing the number of lanes from three to two, adding a 7-ft buffered bicycle lane, and milling and resurfacing the existing pavement to meet current FDOT standards.

**\*SR 200 Landscape Plans, Marion County, FL, FDOT District Five, Landscape Architect of Record:** As the General Engineering Consultant, Emily assisted FDOT District Five with the landscape design and plans production as part of the in-house design for SR 200. The project widened the existing two-lane SR 200 to a four-lane divided rural arterial with a 40-ft median. The project also included landscaping for six pond locations, two wildlife bridge crossings, one trail/pedestrian bridge crossing, and one equestrian crossing.

**\*Red Bug Lake Rd./SR 436 Interchange, Seminole County & City of Casselberry, FL, FDOT District Five, Landscape Architect:** Enhanced landscape plans were developed for City in partnership with Seminole County. Emily assisted with the development of a preliminary landscape concept plan and was responsible for construction documents production and cost estimate preparation. She also performed post-design services during construction.

**\*SR 867 (McGregor Blvd.) Landscaping, Lee County, FL, FDOT District One, Landscape Architect of Record:** Emily was responsible for the landscape design and project coordination for the landscape improvements along McGregor Blvd. from Gladiolus Dr. to Cypress Lake Dr. The project involved highway beautification for 0.5-miles of I-75 at the intersection with the SWFIA Direct Connect Loop Ramp. The focus of the design was to provide landscaping in the medians to enhance the project corridor.

**\*Pinellas Bayway (SR 679) Landscape Enhancements, Pinellas County, FL, FDOT District Seven, Senior Landscape Architect:** The Pinellas Bayway is a major roadway connecting the waterfront Tierra Verde neighborhood and Ft. DeSoto Park to the mainland. Extensive public and stakeholder meetings were held to establish the appropriate design approach and plant palette. The selected design also included removal of existing trees and shrubs, including selective removal of palms to comply with current FDOT safety and setback criteria. Emily's responsibilities included design review and QA/QC.

**\*SR 388 Roundabout, Bay County, FL, FDOT District Three, Senior Landscape Architect:** Emily assisted in the preparation of landscape and irrigation plans for a new roundabout near the Northwest Florida Beaches International Airport to punctuate and enhance the Airport entrance. The project was part of improvements to approximately 12 miles of roadway. Improvements included earthwork to raise the center of the roundabout and palms to accentuate the main entrance sign placed in the center of the circle, with shrubs, groundcover, and turf to complement the Airport's planting theme. Emily assisted the Landscape Architect of Record with the landscape design and preparation of construction documents.



## ABDIAS DALISMA, ISA

### Landscape Designer

Abdias is a Landscape Designer with Patel Greene and Associates (PGA). He has seven years of experience in landscape architecture design for residential and commercial projects, with his background including roundabout, limited-access, sidewalk, and bridge replacement projects. Abdias' specific experience includes landscape, irrigation, 3D design, tree identification, dispositions, assessments, code compliance, proposal management, and drafting construction documents. He is a dedicated individual who strives to provide innovative and feasible engineering solutions.

### Experience

**General Engineering Consultant, FDOT District Seven, Landscape Designer:** PGA is the prime consultant for this contract serving as an extension of FDOT District Seven by providing a variety of services including transportation design, scoping and RFP development, staff augmentation, and plans reviews. Abdias currently provides Landscape Architecture support by assisting the District Landscape Architect with landscape plans reviews for landscape grant programs, HLRMOA, and FDOT standalone landscape project; internal peer reviews; landscape inspections and post-design/construction phase services; arboricultural services; and coordination meetings with Department staff, consultants, and local agencies.

**General Engineering Consultant, FDOT District One, Landscape Designer:** PGA is the prime consultant for this contract serving as an extension of FDOT District One by providing a variety of services that include design, program management, project management, RFP development, staff augmentation, and plans reviews. Abdias currently provides Landscape Architecture support by assisting the District Landscape Architect with Florida Scenic Highways Program support.

**Reo St. Widening, Tampa, FL, Landscape Designer:** This project is located just west of the I-275/SR60 interchange and is an Early Works project for the Tampa Westshore Interchange project. The project involves roadway rehabilitation, the construction of a shared-use path (SUP) to connect the Howard Frankland Bridge SUP to the City of Tampa's Cypress Point Park, and Utility water/wastewater construction. Under PGA's D7 GEC, Abdias assisted with the development of the Tree Disposition Plans. He took inventory of the impacted trees and palms, prepared tree disposition charts, and completed the City's tree mitigation table.

**I-275 Widening from I-375 to 38th Ave., St. Petersburg, FL, Landscape Designer & ISA Certified Arborist:** This project will widen I-275 between I-375 to 38th Ave. N. to provide two tolled express lanes in each direction. This project will also include lane continuity and operational improvements. The roadway and bridges will be widened and noise walls will be built. This project is currently in the design phase. Construction is not currently funded. Under PGA's D7 GEC, Abdias took inventory of the potentially impacted trees and palms located within the Woodlawn Lake drainage pond site, prepared tree disposition charts, and coordinated the City's tree permitting requirements with the project team.



### Education

B.L.A, Landscape Architecture,  
University of Florida, 2015

A.A., Architecture,  
Broward College, 2011

### Certifications

Certified Arborist/International  
Society of Arboriculture/#FL 9295A  
(2017)

### Work Experience

Patel, Greene and  
Associates 2022 - Present

Landscape Design  
Plus 2020 - 2022

Landscape Architect Consultant  
2015 - 2020

Cadence Landscape  
Architects 2013 - 2013

### Contact

12570 Telecom Drive  
Temple Terrace, FL  
33637 813.978.3100  
abdias.dalisma@patelgreene.com

*\*Experience prior to joining PGA*

# ABDIAS DALISMA, ISA

## Landscape Designer

**\*Nova Southeastern University Master Irrigation Design, Town of Davie, FL, Irrigation Designer:** Abdias managed the Master Irrigation Plan for Nova Southeastern University's expanding campus. He worked on evolving the landscaping for the growing campus.

**\*Williams Island 3000 Entry Dr. – Landscape Architectural Renovation, Aventura, FL, Lead Graphic & Foundation Designer:** In the redesign of William Island 3000 Condominium, the entry driveway entailed a new fountain feature, decorative wall panels, and driveway paver design. The failed waterproofing system was the catalyst for this design, and the conceptual graphic was nearly identical to the installed design.

**\*Shadowood Plaza, Landscape Architectural Conceptual Design, Palm Beach County, FL, Landscape Designer:** Seeking to reimagine their pedestrian plaza, the stakeholders of Shadowood Plaza sought conceptual landscape designs that explored the plaza's opportunities. Abdias worked on graphic renderings that were essential for visualizing the desired outcome of the concept plans.

**\*Aquarius Pool Deck Renovation, Hollywood, FL, Lead Graphic Designer:** Dated pool decks along the coast of South Florida are often under renovation due to waterproofing failure. In response, condominium stakeholders sought to redesign the pool deck to meet today's design esthetic and functionality standards. Abdias aided in developing graphic renderings that were essential in helping stakeholders visualize the desired outcome of the conceptual pool deck design.

**\*Master Irrigation Design, Davie, FL, Nova Southern University, Irrigation Designer:** Abdias managed the Master Irrigation Plan for Nova Southeastern University's expanding campus. He worked on evolving the landscaping for the growing campus.

**\*Williams Island 3000 Entry Dr. – Landscape Architectural Renovation, Aventura, FL, Lead Graphic & Foundation Designer:** In the redesign of William Island 3000 Condominium, the entry driveway entailed a new fountain feature, decorative wall panels, and driveway paver design. The failed waterproofing system was the catalyst for this design, and the conceptual graphic was nearly identical to the installed design.

**\*Shadowood Plaza, Landscape Architectural Conceptual Design, Boca Raton, FL, Lead Landscape Designer:** Seeking to reimagine their pedestrian plaza, the stakeholders of Shadowood Plaza sought conceptual landscape designs that explored the plaza's opportunities. Abdias worked on graphic renderings that were essential for visualizing the desired outcome of the concept plans.

**\*Aquarius Pool Deck Renovation, Hollywood, FL, Lead Graphic Designer:** Dated pool decks along the coast of South Florida are often under renovation due to waterproofing failure. In response, condominium stakeholders sought to redesign the pool deck to meet today's design esthetic and functionality standards. Graphic renderings of the design process were essential in helping stakeholders visualize the desired outcome of the conceptual pool deck design.

**\*Projects for Haiti Educational Training Center – Capstone Studio Project, Cap-Haitien, Haiti, Designer:** Project 4 Haiti (P4H) envisions education as one of the driving forces for improving Haiti's quality of life. The P4H Education Training Center is a conceptual design that incorporates sustainable design practices that address erosion control, reforestation, and improving water quality. As a student at the University of Florida, Abdias was responsible for the conceptual master plan, graphic design, and development report.

**\*1717 Project – Community Master Planning Design and Presentation, Gainesville, FL, Designer:** The 1717 Project is a community development conceptual project on the east side of Gainesville. Graphic presentation boards helped stakeholders visualize the opportunities for a mixed-use development that incorporated multifamily housing, single-family homes, and businesses.



## JOHNNY FUNG, PE

### Chief Engineer 1

Johnny is a Vice President and Chief Structures Engineer at Patel, Greene and Associates (PGA). He has over 20 years of experience in structural design and has been involved in managing structural components of transportation projects, plans production, schedules, and coordination of conventional and complex structures, such as cast-in-place concrete slab, steel plate girders, prestressed concrete, post-tensioned segmental concrete, tied-arch steel truss, miscellaneous structures, and moveable bridge projects. His responsibilities include QC reviews, management of design and plans production, performance of engineering design, and development of structural analysis worksheets.

### Experience

**Continuing Services – Bridge Engineering Design, FDOT District Seven, Task Manager:** This contract serves as an extension of FDOT District Seven’s Structures Maintenance Office. PGA is the prime consultant providing technical support services that include structures, temporary traffic control, drainage, geotechnical, and other miscellaneous services to complete repairs or rehabilitation for bridges and ancillary structures. Services provided support for both field and office engineering and inspections.

**Districtwide Structural Support, FDOT District Seven, Task Manager:** PGA is the prime consultant providing miscellaneous engineering services for bridges, retaining walls, sign and signal structures, box culverts, and other structures. Specific responsibilities for the contract include performing load ratings on existing and proposed bridges, reviewing and processing shop drawings, and conducting reviews of structural design.

**Turnpike Mainline (SR 91) from MP 216.706 to MP 227.017, Osceola County, FL, Florida’s Turnpike Enterprise, Structures EOR:** This RRR project extended the pavement service life of the roadway by providing milling, resurfacing, and safety improvements along a four-lane divided, rural limited-access facility. The project required deep milling in several lanes due to the poor condition of the roadway, as well as guardrail rehabilitation along the corridor.

**Turnpike Mainline (SR 91) from MP 153.32 to MP 169.32, St. Lucie County, FL, Florida’s Turnpike Enterprise, Structures EOR:** PGA led the structures efforts on this project that consisted of milling, resurfacing, and safety improvements. The project also included several bridge culverts that required a railing upgrade that utilized the latest guardrail standards.

**Gateway Expressway and I-275 from S. of Gandy Blvd. to N. of 4th St. N. Design-Build, Pinellas County, FL, FDOT District Seven, Structures EOR:** This project provided limited and controlled-access connections in the gateway area to enhance safety, add capacity, and improve mobility. Two four-lane elevated tolled roadways were designed to provide direct connections to the existing network. Johnny was the EOR for the 28th St. Bridge.

**SR 10 (US 90) from E. of Willow St. to the Madison County Line, Jefferson County, FL FDOT District Three, Structures QC:** This project extends the service life of the roadway by resurfacing existing travel lanes, auxiliary lanes, on-street parking, and paved shoulders. Upgrades such as ADA improvements and were also included. The scope includes expansion/contraction bridge analysis and miscellaneous structures, such as strain poles and retaining walls.



### Education

M.E., Civil Engineering,  
University of Florida,  
2002

B.S., Civil Engineering,  
University of Florida,  
2000

### Registrations/Licens

es Professional Engineer,  
Florida, 64669, 2006

### Work Experience

Patel, Greene and  
Associates 2014 - Present

Atkins North  
America 2011 - 2013

HNTB  
2009 - 2011

PBS&J  
2003 -  
2008

FDOT State Material Office  
2000 - 2000

### Contact

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# JOHNNY FUNG, PE

Chief Engineer 1

**Legacy Trail Pedestrian Overpass from N. of Laurel Rd. to S. of Laurel Rd., Sarasota County, FL, FDOT District One, Project Manager & Structures EOR:** PGA was the prime design consultant for this project, converting the at-grade crossing of Legacy Trail at Laurel Rd. to a trail bridge overpass. The unique design removed the skew at the crossing of Laurel Rd., preserved historical monuments, provided ramp approaches that met ADA requirements, and allowed for trail access to be maintained at all times during construction.

**US 19/SR 55 from S. of Harn Blvd. to N. of Harn Blvd., Pinellas County, FL, FDOT District Seven, Project Manager & Structures EOR:** PGA was the prime design consultant handling the alternatives study and design phases for roadway, drainage, and structures on this pedestrian bridge crossing. The design included a single-span, prefabricated steel truss bridge, milling and resurfacing of the northbound and southbound frontage roads, and the construction of a right turn lane.

**US 92/SR 600/Dale Mabry Hwy. from S. of W. McKay Ave. to S. of W. Cleveland St., Hillsborough County, FL, FDOT District Seven, Structures Engineer:** The project consists of milling and resurfacing, intersection improvements, bike lanes, and sidewalk accommodations within the limits of this four-lane undivided highway. PGA led the drainage and structures efforts and Johnny was responsible for the design and documentation of miscellaneous structures.

**W. Pipkin Rd. Widening from Medulla Rd. to Dossey Rd., Polk County, FL, Structures EOR:** PGA is designing the widening of W. Pipkin Rd. from a two-lane to a four-lane facility for approximately three miles. The project completely reconstructs the roadway and proposes a regional pond approach that outflows all eight basins of the project into three ponds, including an innovative “smart” box.

**SR 951 from Manatee Rd. to N. of Tower Rd., Collier, FL, FDOT District One, Structures EOR:** This SWAT project consists of widening the four-lane facility to six lanes with a pedestrian sidewalk and shared use path to handle future traffic and population growth. The project includes the development of an SEIR report with a design option. The twin bridges at SR 951 over Henderson Creek are being widened and combined to a single structure maintaining the existing vertical clearance.

**I-95 Express Lanes and Ramp Signals – Phase 3A-1 Design-Build, Broward County, FL, FDOT District Four, Structures EOR:** The project consisted of implementing express lanes along the I-95 corridor from south of Broward Blvd. to north of Commercial Blvd. Structures improvements included bridge widenings, temporary and permanent retaining walls, sound barrier walls, toll gantries, and miscellaneous structures. Johnny was the structures EOR for the I-95 north over Commercial Blvd. widening. The bridge consisted of Florida-I beams with steel pipe piles foundation at the end bents.

**SR 45 from SR 64 to N. of Green Bridge, Manatee County, FL, FDOT District One, Structures EOR:** PGA was the prime consultant for this three-project bundle that improved safety conditions and provided aesthetic upgrades to US 41. The scope of work included the design of a 10-ft shared use path on the existing US 41 Green Bridge, the addition of right turn lanes, the design of a westbound through lane, and resurfacing of the existing roadway.

**SR 64 at Greyhawk Blvd., Manatee County, FL, FDOT District One, Structures EOR:** PGA designed a multi-lane roundabout to improve safety and accessibility along SR 64. The scope of work included major reconstruction of the intersection, drainage improvements, and utility coordination.

**SR 64 at Rye Rd., Manatee County, FL, FDOT District One, Structures EOR:** PGA designed a multi-lane roundabout to accommodate a new leg of the intersection while improving safety along SR 64. The project included major reconstruction of the intersection, drainage improvements, utility coordination, and right-of-way coordination. PGA was the prime consultant handling roadway, MOT, drainage, and miscellaneous structures.

**SR 821 (HEFT) Widening from N. of SW 40th St. to SR 836 (Dolphin Expressway) Design-Build, Miami-Dade County, FL, Florida's Turnpike Enterprise, Structures Engineer:** This project consisted of HEFT improvements to accommodate additional lanes which required new bridges and widening of existing bridges. PGA's responsibilities included the ramp bridge over the C-4 Canal, railing retrofit for the ramp bridge over Snapper Creek, and overhead sign structures.





# JOSEPH LOSARIA, PE

## Chief Engineer 1



### Education

M.S., Civil Engineering,  
University of South Florida, 2007

B.S., Civil Engineering,  
University of South Florida, 2002

### Registrations/Licenses

Professional Engineer,  
Florida, 66479, 06/28/2007

### Work Experience

Patel, Greene and Associates  
2014 - Present

HNTB Corporation  
2008 - 2013

Atkins North  
America 2000 -  
2008

### Contact

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33637 813.978.3100  
joseph.losaria@patelgreene.com

Joe is a Vice President and the Structures Group Manager for Patel, Greene and Associates (PGA). He has 22 years of experience designing a variety transportation structures. Joe has served as the Lead Structures Engineer and Engineer of Record of projects involving AASHTO girder bridges, Florida Bulb-T and U-beam bridges, steel plate girder bridges, aircraft and highway loading, off-system bridges, and concrete segmental bridges. He has also been involved in the design of hundreds of miscellaneous structures, such as mast arms, sheet pile walls, mechanically stabilized earth (MSE) walls, box culverts, special drainage structures, and miscellaneous structural details for bridge construction.

### Experience

**Continuing Services – Bridge Engineering Design, FDOT District Seven, Task Manager:** This contract serves as an extension of FDOT District Seven’s Structures Maintenance Office. PGA is the prime consultant providing technical support services that include structures, temporary traffic control, drainage, geotechnical, and other miscellaneous services to complete repairs or rehabilitation for bridges and ancillary structures. Services provided support for both field and office engineering and inspections.

**Continuing Services – ERCAR Development, Florida’s Turnpike Enterprise, Structures QC:** The purpose of this general services contract is to prepare Existing Roadway Conditions Assessment Reports (ERCAR), support engineering analysis, calculations, and other technical documents in accordance with FDOT policies and procedures. The ERCAR reports contain detailed analyses of the existing conditions with respect to design standards and safety of the roadway, bridges, drainage, signing, and miscellaneous project components.

**Districtwide Structural Support, FDOT District Seven, Contract Manager:** PGA is the prime consultant providing miscellaneous engineering services for bridges, retaining walls, sign and signal structures, box culverts, and other structures. Specific responsibilities for the contract include performing load ratings on existing and proposed bridges, reviewing and processing shop drawings, conducting reviews, and assisting the department in scope of services documents.

**Districtwide Structures Design, FDOT District One, Task Manager:** Under this contract, PGA is the prime consultant serving as an extension of the District One Structures Design Office with structural design support, plans production, and plans review tasks such as contract plans and calculations, shop drawings, cost-saving initiative proposals, LAP and non-FDOT funded projects.

**Resurface Polk Pkwy. and Safety Upgrades from MP 0.0 to MP 8.0, Polk County, FL, Florida’s Turnpike Enterprise, Structures QC:** PGA was the prime consultant for design and 3D modeling on this pilot project for Florida’s Turnpike Enterprise that used Automated Machine Guidance (AMG) for construction. The project extended the pavement service life of this limited-access facility by providing milling, resurfacing, and upgrades to both safety and design for Polk Pkwy. The work included incorporation of previous ERCAR recommendations, guardrail repairs, and cross-slope evaluation.

# JOSEPH LOSARIA, PE

## Chief Engineer 1

**Districtwide Minor Design, FDOT District One, Structures Engineer:** The project consists of Task Work Order assignments that will involve design of miscellaneous improvements. PGA managed structure and minor bridge design tasks for this contract.

**Legacy Trail Bridge Over Laurel Rd., Sarasota County, FDOT District One, Structures QC:** PGA was the prime design consultant for this ongoing design project. The project required converting the at-grade crossing of Legacy Trail and Laurel Rd. to a trail bridge overpass. PGA's design allowed for trail access to be maintained at all times during construction at the crossing of Laurel Rd. PGA led the structures, roadway, and drainage efforts.

**Valee Rd. over Blue Creek, Holmes County, FL, FDOT District Three, Project Manager & Structures EOR:** PGA was the prime consultant replacing the structurally deficient Valee Rd. bridge over Blue Creek in order to meet current design standards and provide adequate hydraulic flow. The team successfully navigated complex hydrological issues and overtopping at a meander cutoff.

**180th St. over Little River Bridge PD&E and Design, Suwannee County, FL, FDOT District Two, Project Manager & Structures EOR:** This project provides the study and design for the reconstruction of the structurally deficient 180th St. Bridge over Little River (Bridge No. 374002). Alternatives considered impacts on natural, social, and cultural resources. The project includes heavy coordination with SHPO and evaluation of historic significance of the existing structure. PGA is the prime consultant leading the roadway, drainage, structures, and environmental efforts.

**Pleasant Ridge over Otter Creek, Holmes County, FL, FDOT District Three, Project Manager & Structures EOR:** This project designed the replacement for a structurally deficient, single-lane timber bridge to meet current design standards and provided adequate hydraulic flow. New guardrail and paved roadway approaches were also included. PGA served as the prime consultant leading the design of roadway, drainage, and structures.

**SR 55 (US 221) over Woods Creek Bridge PD&E, Taylor County, FL, FDOT District Two, Project Manager & Structures EOR:** This project analyzes several alternatives to rehabilitate the structurally deficient SR 55 over Woods Creek (Bridge No. 380009). Alternatives considered impacts on natural, social, and cultural resources.

**SR 821 (HEFT) Widening from N. of SW 40th St. to SR 836 (Dolphin Expressway) Design-Build, Miami-Dade County, FL, Florida's Turnpike Enterprise, Structures EOR:** This project consisted of HEFT improvements to accommodate additional lanes which required new bridges and widening of existing bridges. Joe was responsible for the design of bridge widenings and sign structures.

**Curtis Mill Rd. over Buggs Creek, Jefferson County, FL, FDOT District Three, Project Manager & Structures EOR:** PGA was the prime consultant leading the roadway, drainage, and structures efforts on this bridge culvert replacement project that included multiple openings and the creation of an HEC-RAS model.

**Turnpike Mainline (SR 91) from MP 207.000 to MP 216.951, Osceola County, FL, Florida's Turnpike Enterprise, Structures QC:** This RRR project consisted of milling, resurfacing and safety improvements on a divided, rural, and four-lane limited-access facility. Safety improvements on the project included cross slope correction, superelevation correction, and redistribution of emergency access lanes. The project included several bridge culverts that required a railing upgrade utilizing the latest guardrail standards and rehabilitation.

**SR 520 from Tucker Ln. to Aurora Rd., Brevard County, FL, FDOT District Five, Structures EOR:** This RRR project involved milling and resurfacing three miles of a four-lane, divided, rural arterial with a raised median. The project included the extension of an existing bridge culvert to accommodate the proposed sidewalk and intersection improvements, as well as the extension and addition of right turn lanes. PGA was responsible for the load rating, temporary sheet pile wall design, and the new mast arms.

**I-75 over the Caloosahatchee River from SR 80 to SR 78, Lee County, FDOT District One, Structures QC:** The bridge over Caloosahatchee River is a high-level water crossing which consists of two parallel structures with 62 total spans. The widening was comprised of prestressed, concrete beams for most of the approaches and a three-span curved continuous steel unit for the main span over the channel.





### Contract Role

Environmental

### Education

B.S., Environmental Science and Policy, University of South Florida, 2003

B.S., Education, University of South Florida, 1994

### Work Experience

Patel, Greene and Associates 2019 – Present

AECOM  
2007 – 2019

Florida Department of Environmental Protection 2003 – 2007

### Contact

215 East Main  
Street Bartow, FL  
33830  
863.533.7317  
susan.durrance@patelgreene.com

*\*Experience prior to joining PGA*

## SUSAN DURRANCE

### Senior Environmental Scientist

Susan is an Environmental Scientist with Patel, Greene and Associates (PGA). She has more than 19 years of experience conducting ecological evaluations involving listed species and wetlands throughout Florida. She has worked for both the public (FDEP) and private sectors performing listed species assessments and monitoring, gopher tortoise surveys, relocation and permitting, wetland assessments, jurisdictional determinations and impact analysis, seagrass surveys, and preparation of numerous environmental permit applications.

### Experience

**\*Welling Park on Lake Easy, Polk County, FL, Environmental Scientist:** Susan was responsible for studying the potential environmental impacts associated with the construction of a park adjacent to Lake Easy in Polk County. Tasks included field reviews to determine the approximate wetland boundaries along the lake, coordination with FDEP's Sovereignty Submerged Lands Office in Tallahassee, and environmental permitting within the proposed project.

**SR 29 From CR 846 E. to N. of New Market Rd., Collier County, FL, FDOT District One, Environmental Scientist:** This project involves the design of a new 3.35-mile, four-lane bypass road for the City of Immokalee to improve the mobility and connectivity within the regional transportation network. She is tasked with delineating wetlands and surface waters, identifying potential impacts to protected species, evaluating mitigation alternatives for wetland and protected species impacts, and completing the contamination screening. These tasks will include completion of species-specific surveys and consultation with state and federal wildlife agencies.

**SR 572 at Don Emerson Dr. Roundabout, Polk County, FL, City of Lakeland, Environmental Scientist:** This project involved the design of a roundabout at the entrance of Lakeland Linder International Airport to improve safety and mobility on the corridor. Additional scope items include drainage improvements, environmental permitting, utility coordination, and right-of-way acquisition. PGA was the prime consultant leading the roadway, drainage, environmental, and structures efforts.

**Morris Bridge Rd. from Fowler Ave. to Fletcher Ave. and from Davis Rd. to Fowler Ave., Hillsborough County, FL, FDOT District Seven, Environmental Scientist:** This RRR project included the design of shoulders on each side of Morris Bridge Rd. to delineate bike lanes, adding bike lane keyholes, turn-lane additions, construction of a 10-ft shared use path, and constructing a sidewalk. Susan was responsible for verifying wetland boundaries and land uses, review of the project area for potential use by listed species, and environmental permitting.

**SR 64 at Greyhawk Blvd., Manatee County, FL, FDOT District One, Environmental Scientist:** PGA was the prime consultant on this project designing a multi-lane roundabout to improve safety and accessibility along SR 64. The scope of work included major reconstruction of multiple intersections, drainage improvements, and utility coordination. Susan was responsible for verifying wetland boundaries and assessing potential impacts to threatened and endangered species.

## TERRY CARTWRIGHT

### Chief Scientist

Terry is the Environmental Group Manager with Patel, Greene and Associates (PGA). He has more than 25 years of experience and a diverse background in environmental permitting, wetlands ecology, biology, and natural resources planning. His specific expertise includes airport wildlife hazard assessments, listed species assessments, wetland assessments, wetland jurisdiction determinations, and wetland mitigation design. Prior to working as an environmental consultant, he was employed by the Florida Department of Environmental Protection (FDEP) for six years, performing a variety of wetland permitting activities including wetland delineations, seagrass surveys, habitat assessments, mitigation proposals, and processing Environmental Resource Permit applications.

### Experience

**Continuing Services – Resurfacing Design, FDOT District One, Environmental Lead:** This task work order-based contract provides miscellaneous design services such as resurfacing, widening, rigid pavement rehabilitation, and minor design. Specific responsibilities on task work orders may include field surveys, roadway analysis and design, drainage analysis and design, utility relocation, utility, coordination, and temporary traffic control plan analysis. Terry is leading the environmental efforts on task work orders assigned through this contract.

**SR 572 at Don Emerson Dr. Roundabout, Polk County, FL, City of Lakeland, Environmental Scientist:** This project involves the design of a roundabout at the entrance of Lakeland Linder International Airport to improve safety and mobility on the corridor. Additional scope items include drainage improvements, utility coordination, and right-of-way acquisition. PGA is the prime consultant leading the roadway, drainage, and structures efforts. Tasks included wetland delineation, and potential effects to threatened and endangered species.

**SR 25 (US 27) from N. of US 98/SR 66 to S. of Highlands Ave. (CR 17A), Highlands County, FL, FDOT District One, Environmental Scientist:** This goal of this RRR project is to correct the deficient pavement conditions and extend the service life of the existing roadway including all travel lanes, auxiliary lanes, shoulders, and crossovers. Additional improvements include the inclusion of bike lanes, signal upgrades at multiple intersections, and updates to various miscellaneous structures. PGA is the prime consultant leading the roadway, structures, drainage, and environmental efforts.

**SR 29 From CR 846 E. to N. of New Market Rd., Collier County, FL, FDOT District One, Environmental Lead:** This project involves the design of a new 3.35-mile, four-lane bypass road for the City of Immokalee to improve the mobility and connectivity within the regional transportation network. Terry is leading the environmental assessments and permitting of the project. He is tasked with delineating wetlands and surface waters, identifying potential impacts to protected species, evaluating mitigation alternatives for wetland and protected species impacts, and completing the contamination screening. These tasks will include completion of species-specific surveys and consultation with state and federal wildlife agencies.



### Contract

#### Role

Environmental

### Education

B.S., Forest Resources and Conservation, University of Florida, 1997

### Work Experience

Patel, Greene and Associates 2017 - Present

#### AECOM

2006 - 2017

Florida Department of Environmental Protection 2000 - 2006

Florida Department of Transportation 1997 – 2000

### Contact

12570 Telecom Drive  
Temple Terrace, FL  
33637 813.978.3100  
terry.cartwright@patelgreene.com

# David Keith, PE

## Electrical Engineer

**David Keith** has over 7 years' experience in all phases of Electrical Engineering services including design, studies, and reports. He is a leader in design for innovative electrical systems for firing ranges, public/civic workplaces, training facilities, community parks, baseball parks, Army Corps of Engineers, fire stations, K-12 schools, and food services. David's technical experience includes the design of outdoor and indoor substations, outdoor and indoor power distribution systems, emergency power generator systems, grounding systems, indoor and outdoor lighting systems, life safety systems, lightning protection systems and technology systems.



### Education

University of South Florida  
BS in Engineering

### Professional Credentials

Professional Engineer, FL

### Recent Project Experience

**Hillsborough County Sheriff's Department**

Tampa, FL

18,000 SF | \$4.2M

**Sumter County North Wildwood Fire Station**

Wildwood, FL

7,600 SF | \$1.5M

**St. Petersburg Police Training Facility**

Approx. 23,000 SF | \$3.7M

**Auburndale Community Center**

Auburndale, FL

35,000 SF | \$2.9M

**East Bushnell Fire Station**

Bushnell, FL

7,300 SF | \$2.5M

**Pinellas County Sheriff's Office Flight Hangar**

Largo, FL

Approx. 45,820 SF | \$12.5M

**Polk County Roads Admin**

Winter Haven, FL

11,813 SF | \$3.4M

**Northeast District Command Center**

Davenport, FL

30,000 SF | Approx. \$3.8M

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# Jessica McRory, PE, LEED AP

SENIOR GEOTECHNICAL ENGINEER



## Contact Information

813.944.3464  
jmcroy@arehna.com  
5012 W. Lemon  
Street Tampa, Florida  
33609

## Licenses

Professional Engineer  
Florida Registration No. 68440,  
2008 LEED Accredited Professional

## Experience

18 years total  
14 years at AREHNA

## Education

Master of Science, Civil Engineering,  
Geotechnical Concentration  
University of South Florida, 2004

Bachelor of Science, Civil  
Engineering University of South  
Florida, 2003

## Career Summary

Ms. McRory has managed the geotechnical aspects of testing, design and construction for over a thousand engineering projects over the last 18 years. Her involvement has included analysis and evaluation of soil conditions pertaining to new construction design, as well as ongoing construction projects. Project experience has ranged from task order contracts to large FDOT projects. Other responsibilities have included coordinating geotechnical field and laboratory testing, as well as construction materials testing services. Evaluations have included soil and groundwater conditions, determining soil bearing capacity and consolidation characteristics and analyzing the performance of various types of foundation systems. Ms. McRory has provided recommendations for shallow foundations, various ground improvement techniques and deep foundation systems including driven piles, drilled shafts and augercast piles.

## Project Experience

**SR 710/ Beeline Highway from Northlake Blvd. to Blue Heron Blvd, District Four and Turnpike - Palm Beach County, Florida** Ms. McRory is serving as a Geotechnical Engineer for approximately 5 miles of roadway widening, bridge replacement at the Turnpike and associated retaining walls. The project includes intersection improvements at Northlake Blvd, drainage ponds, and miscellaneous signal and overhead sign structures.

**SR-5/ US-1 Over Loxahatchee River (Jupiter Federal) Bridge Replacement, Palm Beach County, Florida** | Ms. McRory is serving as a Senior Geotechnical Engineer for this project which includes a bascule bridge replacement and new retaining walls. Evaluation includes reduction of the impacts of temporary vibrations imparted by construction to adjacent historical properties, bridge foundation analyses and recommendations, and roadway improvements.

**SR-729/ State Market Rd. from SR-15 to US-441/ E Main St., District Four, Palm Beach County, Florida** Ms. McRory serves as the Project Manager for this RRR project which includes widening of existing shoulders, sidewalk and shared use path improvements, and milling and resurfacing. Challenges include thick organic (muck) layers

**I-95/ SR-9 at Indiantown Rd. District Four, Palm Beach County, Florida** Ms. McRory is serving as Senior Geotechnical Engineer for the widening of Indiantown Rd. to accommodate new thru and turn lanes. Improvements include bridge widening, re-alignment of I-95 NB off-ramp, new mast arms, drainage improvements, and milling and resurfacing. All tasks have been completed on schedule.

**Pine Island Rd from Orange Dr. to Nova Dr, Broward County, Town of Davie, Florida** Ms. McRory serves as Project Manager for this widening project, which includes approximately 1.9 miles of two new lanes, bridge widening, new bulkhead wall, and miscellaneous structures.

**SW 58th Street from SW 106th Avenue to 10850 SW 58th Street, Town of Davie, Florida** AREHNA is providing geotechnical services for this roadway improvements project, which consists of milling and resurfacing and pavement reconstruction of the existing roadway. Scope included pavement coring, soil classification, laboratory testing, quality control, analysis, recommendations and reporting. Ms. McRory serves as the Contract Manager for this project.

**County-Wide Continuing Engineering Services for Traffic, Roadway, and Civil Projects Broward County, Florida** Ms. McRory supports this contract on an as-needed basis to provide geotechnical engineering services on this county wide task order contract. Project tasks to include design, engineering, study, analysis and evaluation, implementation, construction and construction management of various projects.

## **Jessica A. McRory, PE, LEED AP**

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**District-Wide Minor Design Contract, District Four, Florida** Ms. McRory serves as a Senior Geotechnical Engineer and Contract Manager for this task-order contract. Projects have included roadway, sidewalks, drainage and lighting improvement projects.

**District-Wide Geotechnical and Materials Testing, District Seven Florida** Ms. McRory serves as Senior Geotechnical Engineer and Contract Manager for this task-order contract. Tasks have included pavement coring, geotechnical engineering and laboratory verification testing.

**Consulting Services for Lighting and Sidewalk Improvements, Broward County, Florida** Ms. McRory supports this contract on an as-needed basis geotechnical engineering services on this project which consist of sidewalk additions with ADA improvements, improvements to existing lighting system, milling and resurfacing, signing and marking, and landscaping.

**Goodwin Street Pedestrian & Drainage Improvements, Bonita Springs, Florida** Ms. McRory is providing geotechnical services for this project consisting of approximately 2,600-foot-long corridor from Old 41 Road to Matheson Street. Reclamation of the existing roadway, road realignment, construction of new sidewalks, landscaping, irrigation improvements, and drainage improvements.

**Drainage Improvements for SR-5/US-1 from Edwards Road to SR-70/Virginia Avenue and Outfall for SR-70/Virginia Avenue, District Four, St. Lucie County, Florida** Ms. McRory is serving as the Senior Geotechnical Engineer for the replacement of the existing drainage system by adding new inlets, structures and pipes. Construction of Type F curb and gutter, addition of 5-foot concrete sidewalk, replace two existing signal mast arms, replace existing post mounted signs, and roadway milling and resurfacing.

**Stormwater – Professional Engineering Services, Pinellas County, Florida** AREHNA is available on an as needed basis to provide support for multiple consultants for stormwater improvement projects. Ms. McRory serves as the Contract Manager.

**Miscellaneous Professional Services for Engineering Services, Transportation Development and Design, Hillsborough County, Florida** Ms. McRory serves as the geotechnical Contract Manager on this Hillsborough County contract that supports multiple consultants for transportation improvement projects.

**City of Largo Sidewalk Drainage Improvements, Largo, Florida** The Improvements under this Contract consisted of sidewalk construction, turnouts, drainage improvements, water and sewer modifications and pavement markings on Adrian Avenue from Indian Rocks Road to Trotter Road and Gladys Street from Hillsdale Avenue to Dryer Avenue in the City of Largo, Pinellas County. Ms. McRory oversaw construction material testing including field density testing using Density Logbook, proctor testing as part of the Contractors Quality Control (CQC) requirement.

**City of Dunedin, General Engineering Contract, Dunedin, Florida** Ms. McRory served as the Project Manager for geotechnical services and performed explorations on several projects for drainage improvement and new utility placement. Tasks have included drilling, sampling and evaluation for several ditch improvement and stabilization projects including Jessica Court Ditch and Briar St. Ditch Improvements.

**Lower Peninsula Stormwater Improvements Project (City of Tampa) Southeast Region Design-Build, Tampa, Florida** This project consists of the utility construction and/or relocation of over 10,000 linear feet of box culvert, pipes, laterals, inlets, interconnections through a stormwater pond and outfall to Hillsborough Bay. Ms. McRory's responsibilities include geotechnical scope development and cost estimation, boring layout and utility coordination, geotechnical analysis, and reporting.

**Miscellaneous Professional Services for Stormwater Management, Transportation & Bridge Improvement Services, City of St. Petersburg, Florida** Ms. McRory served as the Project Manager for geotechnical engineering services on multiple transportation and bridge replacement projects under this task order contract. Services included drilling and laboratory testing, engineering analysis and reporting.

**Hillsborough County Stormwater Continuing Services Contract, Hillsborough County, Florida** Ms. McRory serves as the geotechnical Project Manager on this Hillsborough County contract that supports drainage and stormwater improvement projects. Multiple stormwater tasks have been completed Countywide for this contract. We have closely coordinated with the design team to ensure that deadlines are met.

**Pinellas County Transportation Engineering Contract Pinellas County, Florida** Ms. McRory oversees the geotechnical engineering effort on this project. This is an as-needed contract to support the County's Transportation projects. Scopes have included pavement, roadway, intersection and drainage improvement projects, as well as new utility placement.

**City of Tampa AE Work Order Contract – Stormwater, Tampa, Florida** Ms. McRory's responsibilities included geotechnical scope development and cost estimation, boring layout and utility coordination, soil classification, geotechnical analysis, and preparation of recommendations for pavements, drainage and site preparation for multiple City of Tampa Public Works projects.

### Contact Information

813.944.3464  
keastman@arehna.com  
5012 W. Lemon Street  
Tampa, Florida 33609

### Licenses

Professional Engineer  
Florida Registration No. 50733

### Experience

28 years total  
4 years at AREHNA

### Education

Master of Science, Civil Engineering,  
Structures & Foundations Engineering)  
University of Central Florida, 1992  
  
Bachelor of Science,  
Aeronautical Engineering, Embry-  
Riddle Aeronautical University, 1989

### Career Summary

Mr. Eastman has 28 years of experience in the field of geotechnical engineering. He has managed multiple FDOT District Wide Contracts for Districts 1 and 7 over a 26-year period. He has also served as project manager for multiple major projects. His experience includes roadway, bridge, pond and retaining wall projects where he has performed shallow and deep foundation analyses including driven piles, settlement and slope stability analyses. He has also worked on vibration monitoring projects and performed numerous ground subsidence studies.

### Project Experience

**Homewood Blvd. from Old Germantown Road to Lawson Blvd. District Four, Palm Beach County, Florida** AREHNA currently provides geotechnical engineering services for this project which consist of roadway widening, drainage improvements, addition of designated bike lanes and sidewalks, milling and resurfacing, concrete box culvert extensions, retaining walls, and new mast arms structures along Homewood Blvd. in Palm Beach County, Florida. Mr. Eastman served as the Project Manager providing oversight, coordination, and quality control.

**George Bush Blvd from NE 2nd Ave. to SR-A1A, Palm Beach County, Florida** Roadway widening and drainage improvement project with the addition of bike lanes, sidewalks, pedestrian crosswalks, milling and resurfacing, lighting and signage along George Bush Blvd (from NE 2nd Ave to SR-A1A, Delray Beach approximately 0.89 miles.

**SR 710/ Beeline Highway from Northlake Blvd. to Blue Heron Blvd, District Four and Turnpike, Palm Beach County, Florida** Mr. Eastman is serving as Senior Geotechnical Engineer for approximately 5 miles of roadway widening, bridge replacement at the Turnpike and associated retaining walls. The project includes intersection improvements at Northlake Blvd, drainage ponds, and miscellaneous signal and overhead sign structures.

**SR-9/ I-95 Lantana Road, PD&E Study, District Four, Palm Beach, Florida** Mr. Eastman served as Project Manager for this PD&E Study, which evaluated interchange improvements, including bridge replacement, several bridge widenings and new retaining walls. The evaluation included mitigation of construction imparted vibrations.

**SR-5/ US-1 Over Loxahatchee River (Jupiter Federal) Bridge Replacement, District Four, Palm Beach County, Florida** Mr. Eastman served as Senior Geotechnical

Engineer QA/QC Manager overseeing quality control for this widening project, which includes a bascule bridge replacement and new retaining walls. Evaluation included reduction of the impacts of temporary vibrations imparted by construction to adjacent historical properties.

**SR-656/ 17th Street Over Indian River, East End of Bridge No. 880077, District Four, Palm Beach County, Florida** Mr. Eastman is serving as the Senior Geotechnical Engineer for this bridge rehabilitation project, which includes milling and resurfacing and replacement of 8 bridge spans on SR-656 from Span No.: 57 through 64. Total project length is 1.164 miles.

**Professional Services Continuing Services for Design Projects, District Four, Florida** AREHNA has performed geotechnical explorations for a series of roadway improvements and pavement projects under this contract. Scope includes lane widening, intersection improvements, mast arm, drainage improvements, and milling/resurfacing throughout the district. Mr. Eastman oversees field and drilling services, laboratory testing, engineering analysis and reporting, utility coordination, permitting and (MOT) maintenance of traffic.

**Continuing Services for Design Projects, Broward County, Florida** Mr. Eastman serves as a Senior Geotechnical Engineer for this task-order contract relating to numerous transportation projects. Projects include roadway widening, intersection improvements, design of structure foundations, soil surveys, pedestrian and safety improvements. Mr. Eastman's responsibilities include project oversight, field and laboratory coordination and quality control.



## **Kirk M. Eastman, P.E.**

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**SR-5/ US-1 Drainage Improvements from Edwards Rd to SR-70/ Virginia Avenue, St. Lucie, Florida** Mr. Eastman serves as a Senior geotechnical engineer providing project oversight and quality control for this 1.2-mile project which includes new 72-inch diameter outfall, pipe, new inlets, structures, canal dredging, new sidewalk, and milling and resurfacing.

**District-Wide Design Minor Projects/Production Support, District Four, Florida** Mr. Eastman serves as the Senior Geotechnical Engineer/QA/QC on this task work orders contract which includes roadway improvements that include traffic safety lighting structures, overhead sign structures, mast arm structures, and drainage structures.

**City of West Park SW 25 Street Complete Streetscape, Broward County, Florida** This project consisted of widening the existing lanes to provide more parking and drainage swales and milling and resurfacing the existing roadway lanes. The proposed project limits extend along SW 25th Street from SR 7 to SW 40th Avenue within the City of West Park in Broward County. The proposed roadway improvements are within commercial and residential areas and are approximately 1.5 miles in length. Mr. Eastman served as the Project Manager providing oversight, coordination, and quality control.

**Miscellaneous Professional Services for Stormwater Management, Transportation & Bridge Improvement Services (CIP) | Pinellas County, Florida** AREHNA provides geotechnical engineering services on this task order contract consisting of roadways, sidewalks and drainage improvement project to include 62nd Ave. Improvement, 42nd Ave. Sidewalk/Drainage Improvements, Philippe Park Pedestrian Bridge and Sand Key Park Pavement Improvements.

**Goodwin Street Pedestrian & Drainage Improvements, Bonita Springs, Florida** AREHNA is providing geotechnical services for this project consisting of approximately 2,600-foot-long corridor from Old 41 Road to Matheson Street. Reclamation of the existing roadway, road realignment, construction of new sidewalks, landscaping, irrigation improvements, and drainage improvements. Mr. Eastman served as the Project Manager providing oversight, coordination, and quality control.

**District-Wide Geotechnical Services, District One, Sarasota County, Florida** Contract Manager for geotechnical services relating to numerous transportation projects. Projects included design of structure foundations, soil surveys, intersection improvements, Oversight testing and inspection during construction, as well as sinkhole investigations including geophysical testing such as GPR.

**Access Management Safety Studies Continuing Contract, District Seven, Florida** AREHNA serves as the geotechnical consultant for this this task work order contract on an as-needed basis. Project tasks include roadway and intersection design, engineering, and studies, ITS and traffic signal improvements, analysis and evaluations, and pedestrian safety improvements. Mr. Eastman serves as a Senior Geotechnical Engineer on this contract.

**CR-510/ 85th St. from 82nd Avenue to 58th Avenue, District Four, Indian River, Florida** Mr. Eastman is serving as the Senior Geotechnical Engineer for this widening project, which consists of pavement widening for additional lanes in each direction, bicycle lanes, and 3 bridge replacements to approximately 3.5 miles of CR-510.

**District-Wide Geotechnical and Materials Testing, District Seven, Florida** Mr. Eastman serves as a senior geotechnical engineer for this task-order contract. Scope of work has included pavement coring and geotechnical support of in-house design projects.

**Miscellaneous Professional Services for Stormwater Management, Transportation & Bridge Improvement Services, St. Petersburg, Florida** Mr. Eastman serves as the Senior Geotechnical Engineer for geotechnical engineering services on multiple transportation and bridge replacement projects under this task order contract. Services included drilling and laboratory testing, engineering analysis and reporting.

**SW 64th Avenue from SW 35th Street to Pembroke Road, District Four, Broward County, Florida** Mr. Eastman served as the Senior Geotechnical Engineer for this project consisting of approximately 1.1 miles of bike lanes and multi-use pathway, including widening and resurfacing. Responsibilities included project oversight, quality control, analyses and recommendations.

**City of Punta Gorda Cooper Street Multi-Use Trail, Punta Gorda, Florida** AREHNA provided geotechnical engineering services for this project which consisted of constructing a new Multi-Use Recreation Trail approximately 1.71 miles and 10-12 feet wide near the intersection of Airport Road and Cooper Street. Scope includes stormwater drainage improvements, street lighting, sidewalks, and pedestrian safety (ADA). Mr. Eastman provided geotechnical engineering services, recommendations and report preparations.

**A/E Continuing Services Contract City of Tampa, Florida** Work was performed on an as-needed basis to support Public Works Projects. Services included pavement coring, drilling and laboratory testing, engineering analysis and reporting for pavement evaluation, drainage/stormwater and roadway projects. Mr. Eastman oversaw field and laboratory testing tasks and performed engineering analysis and reporting.



### Contact Information

954.417.8412  
aalba@arehna.com  
12296 Wiles Road  
Coral Springs, Florida 33076

### Licenses

Professional Engineer  
Florida Registration No. 58538, 2002

### Experience

24 years total  
8 years at AREHNA

### Education

Master of Science, Civil Engineering  
(Geotechnical)  
Massachusetts Institute of Technology,  
1998  
  
Bachelor of Science, Civil Engineering  
University of Puerto Rico, 1995

### Career Summary

Ms. Alba has provided geotechnical engineering services on numerous geotechnical explorations over the past 24 years, including serving as the Geotechnical Discipline Lead for the I-595 Corridor Improvement project in Broward County, Florida, which is the first Public-Private-Partnership (P3) project ever awarded by FDOT. Ms. Alba has been involved in the planning, analysis, execution, and review of geotechnical projects ranging from roadway and railways to complex roadway bridge and tunnel projects to commercial high-rise buildings, school projects, and other local municipality projects. Ms. Alba has performed evaluations for retaining walls, drainage structures, shallow foundations, driven piles, drilled shafts, augercast piles, micropiles, and pressure injected footings. Ms. Alba's experience has also included finite element analysis, slope stability evaluations, soil nail wall design, and evaluation of geosynthetics applications, and geotechnical ground improvement techniques.

### Project Experience

**Loxahatchee Rd. from Arthur Marshall Loxahatchee Refugee to SR-7/ US-441 Continuing Services, District Four, Florida** Ms. Alba is serving as the Senior Geotechnical Engineer for approximately 6 miles of road widening of Loxahatchee Road from Arthur Marshall Loxahatchee Refuge to SR 7/US 441 to accommodate 11-foot paved lanes (one in each direction), a 12-foot raised median with landscaping, 5-foot bicycle lanes (one in each direction), sidewalks, drainage improvements, widening, and resurfacing.

**SR-5/ US-1 Over Loxahatchee River (Jupiter Federal) Bridge Replacement, District Four, Palm Beach County, Florida** Ms. Alba is served as Senior Geotechnical Engineer for this widening project, which includes a bascule bridge replacement and new retaining walls. Evaluation will include reduction of the impacts of temporary vibrations imparted by construction to adjacent historical properties. Close coordination with Central Office was required due to the sensitive nature of nearby historical structures and challenges with constructability of the proposed bridge foundations. In order to mitigate for vibrations during construction and evaluate constructability issues, during the design phase a load test of a 30-inch pile was performed. Based on the results of the load test, the drilled shafts at the piers were replaced with 30-inch concrete piles, which resulted in significant cost savings for the project and avoiding potential delays associated with drilled shaft constructability issues.

**Continuing Services for Design Projects, District Four, Florida (Contract No.**

**CA982)** Ms. Alba serves as the Senior Geotechnical Engineer for task work orders associated with roadway improvements that include milling and resurfacing traffic safety, lighting structures, overhead sign structures, mast arm structures, and drainage structures.

**Design Corridor Lighting at SR-80 from SR-15 to CR-880, District Four, Palm Beach County, Florida** Ms. Alba is serving as the Senior Geotechnical Engineer for this project, which includes new FP&L lighting structures along 18 miles of SR-80. Challenges include thick organic (Muck) layers.

**SR 710/ Beeline Highway from Northlake Blvd. to Blue Heron Blvd, District Four and Turnpike, Palm Beach County, Florida** Ms. Alba is serving as the Senior Geotechnical Engineer for approximately 5 miles of roadway widening, bridge replacement at the Turnpike and associated retaining walls. The project includes intersection improvements at Northlake Blvd, drainage ponds, and miscellaneous signal and overhead sign structures.

**George Bush Blvd. from NE 2 Ave. to SR-A1A, District Four, Delray Beach, Palm Beach County, Florida** Ms. Alba served as the Senior Geotechnical Engineer for this project, which consisted of constructing sidewalks, pedestrian lighting, improve drainage, enhance crosswalks, and signage.

**Homewood Blvd. from Old Germantown Rd. to Lowson Blvd., District Four, Delray Beach, Palm Beach County, Florida** Ms. Alba served as the Senior Geotechnical Engineer for this project, which consisted of constructing sidewalks, drainage improvements, box culvert replacement, and milling and resurfacing.

## Angela L. Alba, PE

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**SR-729/State Market Rd. from SR-15 to US-441/ E Main St. (FM 446105-1), District Four, Palm Beach, Florida** Ms. Alba is serving as the Senior Geotechnical Engineer for this RRR project, which includes widening of existing shoulders, sidewalk and shared use path improvements, and milling and resurfacing. Challenges include thick organic (Muck) layers.

**I-95 at Indiantown Road/SR-706 Interchange Improvements, District Four, Palm Beach County, Florida** Ms. Alba provides geotechnical engineering for this project which consist of widening of Indiantown Rd. to accommodate new thru and turn lanes. Improvements include bridge widening, re-alignment of I-95 NB off-ramp, new mast arms, drainage improvements, and milling and resurfacing.

**I-95/ SR-9 at Gateway Blvd Interchange Improvements, District Four, Palm Beach County, Florida** Ms. Alba is serving as Senior Geotechnical Engineer for this interchange improvements project, which includes several bridge widenings and new retaining walls and proposed miscellaneous structures (lighting, overhead signs, signals).

**Stormwater Drainage Improvements Master Plan, NW 29th & NW 31st Street, Doral, Florida** Ms. Alba served as the Senior Geotechnical Engineer and performed geotechnical surveys to identify existing ground water fluctuations. Also performed four (4) SFWMD percolation/exfiltration test, and field soil permeabilities using SFWMD Constant Head "Usual Condition".

**District-Wide Design Minor Projects/ production Support (Contract Nos. CA055, C9O11, C9Q84 & C9T43), FDOT District Four, Florida** Ms. Alba served as the Senior Geotechnical Engineer for task work orders associated with roadway improvements that include traffic safety, lighting structures, overhead sign structures, mast arm structures, and drainage structures.

**Pine Island Road from Orange Drive to Nova Drive, Broward County, Town of Davie, Florida** Ms. Alba is serving as Senior Geotechnical Engineer for this widening project, which includes approximately 1.9 miles of two new lanes, bridge widening, new bulkhead wall along CBWCD N-12 Canal, miscellaneous structures, and associated drainage improvements. Close coordination with the design team was required during the field exploration due to archeological concerns within the alignment.

**NE 151st Street / Bay Vista Road Improvements, North Miami, Florida** Ms. Alba served as the Project Manager for roadway improvements, which included roadway widening, drainage improvements, and mast arm structures. The existing four-lane divided Bay Vista Road will be widened to a six-lane divided section. In addition, approximately 1,300 LF of new pipe alignment is proposed. Geotechnical recommendations included delineation of unsuitable soils (plastic and organic soils) and use of geogrid reinforcement.

**SR-5/ US-1 Drainage Improvements from Edwards Rd to SR-70/ Virginia Avenue, St. Lucie, Florida** Ms. Alba serves as the Senior Geotechnical Engineer for this 1.2-mile project, which includes new 72-inch diameter outfall, pipe, new inlets, structures, canal dredging, new sidewalk, and milling and resurfacing.

**West Park Roadway and Drainage Improvements, City of West Park, Broward County, Florida** Ms. Alba served as the Senior Geotechnical Engineer for this project. The project consisted of milling and resurfacing the existing roadway lanes, widening the existing lanes to provide more parking and swales along SW 25th Street from SR 7 to SW 40th Avenue. The site is located within a commercial and residential area and is approximately 1.5 miles long.

**Various Engineering Services for Traffic Engineering and Transportation Planning – Continuing Contracts, Hollywood, Florida** AREHNA is available on an as needed basis to provide geotechnical and materials testing on this newly awarded task order contract. Scope includes roadway improvements, design, drainage, traffic safety, roadway studies and threshold inspections. Ms. Alba serves as the Geotechnical Project Manager.

**Professional Services Continuing Services for Design Projects, Broward County, Florida** AREHNA has performed geotechnical explorations for a series of roadway improvements and pavement projects under this contract. Scope includes lane widening, intersection improvements, mast arm, drainage improvements, and milling/resurfacing throughout the district. Ms. Alba oversees field and drilling services, laboratory testing, engineering analysis and reporting, utility coordination, permitting and (MOT) maintenance of traffic.

**County-Wide Continuing Engineering Services for Traffic, Roadway, and Civil Projects Broward County, Florida** AREHNA is available on an as needed basis to provide geotechnical engineering services on this County-wide task order contract. Project tasks to include design, engineering, study, analysis and evaluation, implementation, construction and construction management of various projects. Ms. Alba serves as Project Manager/Senior Geotechnical Engineer for this contract.

**District-Wide Geotechnical Services Contract, District Four, Florida** Ms. Alba served as the Contract Manager/ Project Manager responsible of communications with FDOT's Project Manager, scope development, proposal preparation, providing technical oversight, and invoicing. Responsible for exploring engineering/ design alternatives that could reduce project costs and schedule timeline.



## City of Indian Rocks Beach- General Engineering Services

**Contact Person:** Dean Scharmen

**Location:** Indian Rocks Beach, FL

**Phone:** 727-595-6889

**Client Name:** City of Indian Rocks Beach

**Consultant Cost:** Over \$2 million total

**Change Orders:** None

**Const. Changes:** Within contingencies

**Email:** dscharmen@irbcity.com

**Start / End Dates:** 1998/Ongoing

### Project Description:

CivilSurv has served as the professional engineering consultant for the City of Indian Rocks Beach since 1998. In this capacity, CivilSurv has been assigned a wide variety of municipal projects, including providing their in-house planning and site plan review services. We routinely confirm site designs and planning projects meet the City's requirements and work as an extension of staff to keep the City compliant with FDEP/SWFWM/ Pinellas County Requirements.

Major projects include:

- 27th Avenue Stormwater Improvements and Habitat Restoration
- 1st Street Roadway Improvements
- Stormwater Master Plan, Modeling and Needs Assessment
- Stormwater GIS Mapping
- Gulf Boulevard Pedestrian Islands
- City-wide Storm Sewer Design Replacement Program with Treatment
- Update Water Supply Work Plan
- Prepare EAR based Comprehensive Plan Amendments
- Update Land Development Regulations
- Planning and Engineering Development Reviews
- Shoreline Stabilization
- SWFWMD Grant Applications and Funding Management





**CR 473 Safe Routes to Schools Sidewalk**

**Contact Person:** Seth Lynch, Development Engineer  
**Location:** Leesburg, FL  
**Phone:** 352-253-9052  
**Client Name:** Lake County Public Works  
**Consultant Cost:** \$145,739

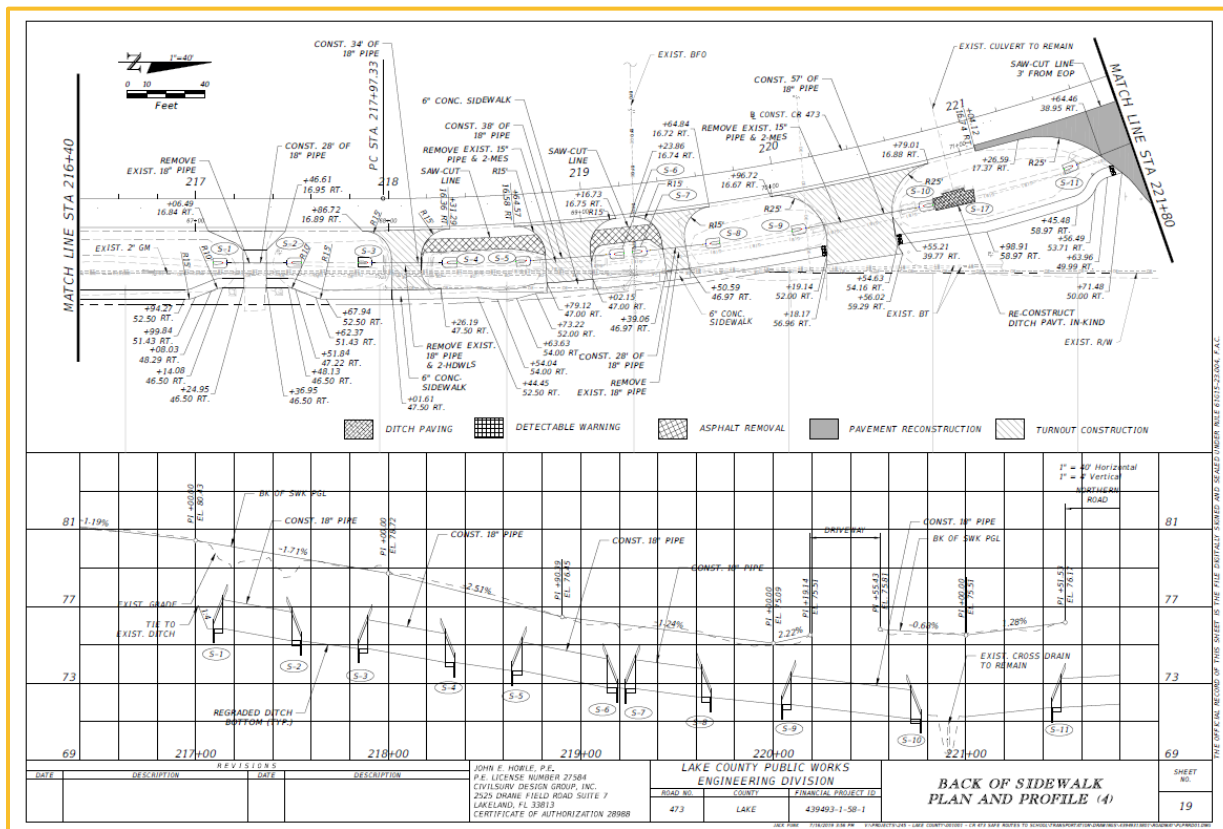
**Change Orders:** None  
**Const. Changes:** None  
**Email:** slynch@lakecountyfl.gov  
**Start / End Dates:** 2018 / 2021

**Project Description:**

CivilSurv Design Group, Inc. has served as the surveyor and design/permitting engineer for an important Lake County Safe Route to Schools project. The project involved approximately 6,500 LF of sidewalk, connecting sidewalks on County Road 473 to Treadway Elementary School. Just before the design began, there was a fatality along the road, hastening the project's design and construction. The project led to the construction and safety improvements along the roadway including:

- A gravity wall along the sidewalk, limiting the potential for vehicles to drive into an existing pond, with approximately 650 feet of pedestrian railing;
- Relocation and updating of speed limits to decrease speeds in proximity to the school;
- Reworking and replacement of significant amount of drainage;
- Replacement of 12 driveway crossings and 5 road crossings, limiting the cross slope and rebuilding to FDOT standards making the area ADA compliant.

Due to the County, FDOT, and CivilSurv's efforts, the project had zero change orders and no notable changes to the construction as planned. Further, both the bid and final construction costs came in \$43,000 below estimates. The County further added site lighting to increase safety in the area.





## Memorial Drive from Pompano to Sebring Parkway Multi-Use Path

**Client Name:** Highlands County BOCC  
**Contact Person:** J.D. Langford, PE  
**Email:** jlangford@highlandsfl.gov  
**Phone:** 863-402-6877  
**Location:** Highlands County, Sebring, Florida

**Start / End Dates:** 2020-present  
**Consultant Cost:** \$149,230  
**Change Orders:** additional design services, \$15,210  
**Const. Changes:** None

### Project Description:

This project involves the design of 1.4-miles of a new 8-foot-wide multi-use trail within the existing Memorial Drive right of way. The multi-use trail connects with an existing multi-use trail at Pompano Drive and existing sidewalk at Sebring Parkway. The drainage system design concept for the project involved the utilization of existing drainage infrastructure, where possible. This innovative approach required the use of multiple typical cross sections throughout the project and resulted in significant reductions to the overall project costs. The project was performed under a Local Agency Program (LAP) project agreement between the Florida Department of Transportation and Highlands County.





## Midway Road at NSLRWCD Canal 92 and Canal 84 Culvert Replacements

**Contact Person:** Michael Harvey, EI  
**Location:** Fort Pierce, FL  
**Phone:** 772-462-1717  
**Client Name:** St. Lucie County Engineering Division  
**Consultant Cost:** \$80,000

**Change Orders:** None  
**Const. Changes:** None  
**Email:** harveyem@stlucieco.org  
**Start / End Dates:** 2018 / 2020

### Project Description:

CivilSurv prepared construction plans for two large culvert connections: a 72-inch replacement culvert connecting a drainage overflow system to a canal system across Midway Road and a 48-inch culvert connecting to a different canal system across Midway Road. The work entailed survey, site review and investigation, hydraulic calculations, and permitting/design services for the new culverts. Due to the proximity to neighboring culverts, additional receiving structures were designed, as were the stabilization for the upstream and downstream canals. The design included Maintenance of Traffic. Safety improvements were added, including shoulders and guardrail. Permitting included the following agencies: South Florida Water Management (SFWMD), North St. Lucie River Water Control District (NSLRWCD), and the United States Army Corps of Engineers (USACE). Construction contractor bids received were within the estimated range of construction costs.





## West Lake Jackson Infrastructure Improvements

**Client Name:** City of Sebring  
**Contact Person:** Scott Noethlich  
**Email:** scottnoethlich@mysebring.com  
**Phone:** 863-471-5100  
**Location:** Sebring, Florida

**Start / End Dates:** 2020 / Ongoing  
**Consultant Cost:** \$218,000  
**Const. Cost:** \$18 million (Estimated)  
**Change Orders:** None  
**Const. Changes:** None

### Project Description:

CivilSurv was selected by the City to perform the infrastructure analysis. The study involved the evaluation of existing conditions and consideration of several alternatives for conceptual improvements. With the support of our teaming partners, CivilSurv assisted the City with funding coordination through the Florida Department of Environmental Protection (FDEP) State Revolving Fund (SRF) loan program. Later phases of the project will involve detailed engineering design, permitting, and construction administration services.

Through the analysis, it was determined the storm sewer system was the critical infrastructure element as nearly all of the storm sewer networks contributing to the 28 individual outfalls were found to be inconsistent with current standards.

This involved undersized storm sewer pipes and culverts and a lack of adequate curb inlet spacing to efficiently remove stormwater runoff from the roadway. Water quality improvements were proposed to improve the water quality of Lake Jackson, utilizing nutrient-separating baffle boxes. The sanitary sewer system was constructed in the 1990s using PVC gravity sewer. Evidence of soil infiltration was observed at manhole locations and rehabilitation was proposed. The manhole rehabilitation alternatives reviewed included re-benching the inverts and lining the structures as compared to manhole replacement. With the improvements to the storm sewer system and sanitary system rehabilitation, the roadway pavement condition can be addressed.





## TAB 4: FIRM & KEY PERSONNEL EXPERIENCE



### Sebring Parkway Phase IIA/B CEI

**Contact Person:** Clinton Howerton, PE  
**Location:** Sebring, FL  
**Phone:** 863-402-6877  
**Client Name:** Highlands County  
**Consultant Cost:** \$501,160

**Change Orders:** None  
**Const. Changes:** None  
**Email:** [chowerton@highlandsfl.com](mailto:chowerton@highlandsfl.com)  
**Start / End Dates:** 2019 / 2022

#### Project Description:

CivilSurv provided full time construction engineering inspection, along with quality control testing, reviewing the construction of approximately 1 mile of 4 lane divided highway. The project included utility relocation, drainage improvements, and offsite/approach roadway improvements. CivilSurv tracks progress, defined issues where noted, and provided quantity guidance for monthly invoices submitted by the contractor. CivilSurv also attends construction progress meetings with the contractor and the utility companies.





## Approach to Roadway/Drainage Projects

Engineering and surveying services for governmental entities and municipalities are the primary focus of our firm. Our personnel are accomplished in a wide variety of public facility improvement projects. We have designed, permitted, and provided oversight for the construction of infrastructure improvements throughout the State of Florida. Our typical governmental client is one that is cost-conscious and cost-conservative in terms of the fees that are paid for design services. Typically, the clients we work with want to see that any investment of their resources achieves the highest rate of return back to the customer base. This is done by ensuring that design fees paid are reasonable but also by ensuring that final construction documents are thorough and comprehensive. Our clientele typically calls on us to confirm that the project concept represents the most effective solution to resolving the infrastructure issue being considered. As part of a general consulting contract, the CivilSurv Team routinely provides services ranging from miscellaneous consultations to studies, design development, and complete construction oversight.

*While we anticipate the above items will provide information in response to the desired details about CivilSurv, we hope we can elaborate and provide additional information within this section – such as how we would respond to each type of project.*

As the Contract Manager, **Craig Fuller** would field the initial request to determine which Key Staff would lead the project. CivilSurv is a full-service Engineering, Planning, and Surveying firm and we are capable of providing most of the services required by the Town with our in-house staff. This ability to provide comprehensive services in-house will provide for better continuity of effort and, based on our experience, represents a more cost-effective means of project delivery. For those services requiring specialized expertise, we team with other professionals who are prominent in their fields of expertise. As a complement to CivilSurv staff, **PGA** will provide their specialized expertise in structural support for larger conveyance projects with CivilSurv's stormwater design group and support roadway design elements where needed. **AHRENA** will provide geotechnical engineering support. The anticipated projects are typically eligible for grants and loans, such as SRF and SFWMD-CFI, allowing for funding support for the regional water quality improvement projects.

We understand the Town's objectives in maintaining and protecting water quality, as well as improving drainage throughout the Town. Our team has performed projects meeting these objectives for other municipalities. Our specific project approach will be tailored to the individual needs of each project. We have outlined an example project approach for a linear drainage project for your reference.

## Review and Determine Proposed Layout and Location

Our approach to initiating a drainage design starts with understanding the issue to be addressed, whether it is flooding/conveyance or water quality related. For example, we want to be able to understand what are the facilities to be connected, what types of constraints exist along the potential routes for drainage, and the elevations for tailwater and other conditions. These factors will be helpful in determining the appropriate elements for the solution. As an example, failing culverts at Canal 92 along Midway Road in St. Lucie County were analyzed and we found that the headwalls were undersized which led to the collapse of the wall in places. Additionally, there were contributing culverts into the canal that were running down steep slopes leading to additional scour and deterioration. The solution resulted in a very nice finished product, with receiving structures to collect drainage, rock to breakup scour, and mitered ends to support the end-product.

## Review Environmental Issues and Impacts to Drainage

The next step in the process is evaluating impacts to the environment, such as wetlands or endangered species. Our partners at PGA have environmental scientists that specialize in this, allowing early identification to be confirmed. The next step is to confirm drainage impacts and implications. We will review the applicable ICPR (or XPSWM/MODRET/HEC-RAS) model(s) and LiDAR data to determine when and how the localized area stages and where the collection system exists. The regional outfalls and tailwater conditions at the time water stages will be confirmed, along with other regional outfalls. CivilSurv has the latest of various modeling packages to confirm if changes or variations can alter the conditions while keeping some of the older versions if the model was created in ICPR Version 3. If there are regional or potential wetland impacts, PGA can confirm possible issues.

Refinement of the modeling can come from local Environmental Resource Permits. The discharges in close proximity can be modified when uses change and the various improvements can/should be considered when looking at the subject



projects. Each project should have tailwater and subsurface water conditions considered. This may quickly lead us to determine a suggestion will not work for this location, such as a discharge point due to tailwater conditions. We have performed similar modeling within Autodesk Storm and Sanitary Analysis (SSA) for several projects.

Finally, available information regarding the drainage complaints of residents should be considered. Complaints typically come with dates, times, and reasons for the backup. The complaints may be frequent to only one location or they may be for only one area. We expect the Town has used this data to prioritize the specific locations and likely has a file on each, allowing us to know the level of rain it takes to flood a specific location.

## Proposed Solution, Survey, and Design

A layout of the drainage solution will be performed, along with a survey of the route to determine cut/fill needed along the way, if there is a need for floodplain compensation, and which specific modifications to the drainage network are necessary. A differing discharge location, larger inlets, larger piping, or detention can be applicable solutions to solve localized flooding. Additionally, while various solutions may solve the issue, they may have vastly different costs. An example of this was within the Midway Road Canal 92/84 project for St. Lucie County; we worked with the North St. Lucie River Water Control District to and also considered how to best keep the final construction area safe, reducing clear zone issues, and increasing the inlets to decrease flooding. The end result was more efficient drainage, safer driving conditions, erosion protection, and reduced risk of flooding. Finally, the treatment for water quality should also be considered. For solutions that discharge to lakes and other water bodies, the nutrient loading and corresponding Chlorophyll-A response. Examples where this was implemented include *12 projects for the City of Indian Rocks Beach*, all including in-line treatment such as Nutrient Baffle Boxes and CDS units to existing storm sewer systems. Assessment and proposed “non-structural” improvements have been implemented for the Highlands County MS4 systems and Polk County’s Lake Thomas Water Quality Master Plan.

On a larger scale project, CivilSurv performed a similar analysis and recommendations for 2.8 miles of Lakeview Drive (West Lake Jackson) in Sebring. The project was believed to have roadway issues, but it was determined that nearly all issues were due to drainage problems causing the roadway to deteriorate. Various solutions were created to solve the issues, including more inlets, larger structures, new berms to divert flow from undersized structures, and treatment of the runoff generated to improve Lake Jackson’s water quality. Conducting a preliminary geotechnical investigation during the analysis phase was helpful in identifying the cause of the roadway issues for this project. CivilSurv was able to provide both funding and grants for the project, leading to decreased project cost for the City. The CivilSurv Team has designed hundreds of projects and, at the core of the Design Team, Mark Frederick, PE, CFM, ENV SP, PMP, has extensive experience in the design of stormwater improvements. Being a Certified Floodplain Manager, he is well-versed in the requirements of Environmental Resource Permitting and Floodplain Compensation. We have a large team of surveyors and mappers with Subsurface Utility Engineering (SUE) and other capabilities to complete the design and sketch/legal descriptions of real property that may be needed for the improvements. Our surveying and mapping team also includes licensed UAS pilots who can deploy drones to efficiently capture existing condition information.

Example projects have included both Army Corps and the new FDEP-permits that have taken precedence, in addition to typical ERP and right-of-way use permitting. Hetty Harmon, AICP has assisted in hundreds of permits and assists during the design phase for utility coordination to confirm where existing utilities are present, may need to move, or may be affected. Recently, the City of Lakeland and CivilSurv teamed to design the Lakeland Park Drive Connector and Trail project, leading to an *ASCE Ridge Branch Project of the Year* award.

## Construction Services

As noted in the project descriptions, CivilSurv regularly provides construction services, including full-time CEI. We are presently assisting the County and City of Lakeland in the CEI of West Pipkin’s Water Mains, just completed a Highlands County CEI project of the Sebring Parkway, and are nearly complete with the City of Lakeland in the construction of US 92 at County Line Road. We also serve as City and County staff when projects arise for Indian Rocks Beach, Redington Beach, Polk City, and Polk County. We have four inspectors on the team; Craig Haas, Garland Walling, and Jacob Breed, led by Mr. Wendell Mock. Each has experience in various types of projects and has CTQP certifications. All have extensive field experience in construction and construction staking.



## Approach to Traffic Projects

While we are currently uncertain of the specific Traffic Engineering projects that we will perform, we have performed similar work for numerous projects, both currently and in the past. A similar approach was considered for Lake Wales Streetscape Improvements project in recent months. The following is an example of a proposed approach for analysis and design of a roadway projects with drainage.

### Review Existing Models / Environmental Resource Permit Files / Complaints

The first step in traffic design is to understand the regional implications. We will review the applicable roadway model(s) to determine traffic movements pass through an area. CivilSurv has the latest various modeling packages such as Synchro to confirm if changes or variations can alter the conditions. Frequently changes in traffic or roadway can trigger impervious area and Environmental Resource Permits. The discharges in close proximity can be modified when uses change and the various improvements can/should be considered when looking at the subject projects. Each project should have tailwater conditions and subsurface water conditions considered. This may quickly lead us to determine a suggestion will not work for this location, such as a discharge point due to tailwater conditions. We have performed similar modeling within AutoCAD's Storm Sewer Analysis (SSA) tool for Sebring's West Lake Jackson in recent months to locally determine the sizes of piping that would be needed for specific locations throughout a 2.8-mile roadway project that was determined to be caused by stormwater issues. Finally, available information regarding the drainage complaints of residents should be considered. Complaints typically come with dates, times, and reasons for the backup. The complaints may be frequent to only one location or they may be for one area. We expect the Town has used this data to prioritize the specific locations and likely has a file on each, allowing us to know the level of rain it takes to flood a specific location. An example solution in Lake Wales actually led to less traffic through an area and the elimination of a lane.

### Proposed Solutions, Report, and Analysis

A differing discharge location, larger inlets, larger piping, or detention can be applicable solutions to solve localized flooding. Additionally, while various solutions may solve the issue, they may have vastly different costs. We would propose to review the data, provide a specific analysis and recommendations for the localized conditions, and present an analysis report. Conducting a preliminary geotechnical investigation during the analysis phase can also be helpful in identifying the cause of the roadway issues for projects.

### Design and Permitting of Solution

The CivilSurv Team has designed hundreds of projects and, at the core of the Design Team, **John E. Howle, PE** is a roadway design engineer and **Mark Frederick, PE, CFM, ENV SP, PMP**, has extensive experience in the design of stormwater improvements. Being a Certified Floodplain Manager, he is well-versed in the requirements of environmental resource permitting and floodplain compensation. We have a large team of surveyors and mappers with subsurface utility engineering and other capabilities to complete the design and sketch/legal descriptions of real property that may be needed for the improvements. Example projects have included both Army Corps and the new FDEP-permits that have taken precedence, in addition to typical ERP and right-of-way use permitting. Hetty Harmon, AICP has assisted in hundreds of permits and assists during the design phase for Utility Coordination to confirm where existing utilities are present, may need to move, or if they may be affected. For Roadway and Traffic Design, the team will be led by John Howle, PE with assistance from PGA's team of roadway design experts. Depending on the solution, PGA has additional staff to support with the structural design of large drainage elements.



## Approach to Surveying Projects

First, we must mention the very purpose of CivilSurv. This firm was created by the assembling of proven industry professionals with a passion for Public Infrastructure. Unlike most Surveying and Mapping firms, we do not come to the table with the conflicts of serving both the Public Sectors and the Private Sectors. We are focused on projects exactly like this Hardee County contract. The CivilSurv Team has served every local, state, and federal agency for similar services and our Team's client list includes the Army Corps of Engineers, Florida Department of Environmental Protection, the Florida Department of Transportation, Florida's Water Management Districts, and numerous City and County Agencies. We have completed thousands of survey assignments in the last 35 years.

CivilSurv is committed to serving in a cost-effective manner. Technology has greatly enhanced our tool-box and we embrace new methods of data capture that increase efficiency, safety, and accuracy. We strive to understand the entire project scope and tailor our services accordingly. Our goal is to be *nimble, responsive, and cost-effective*. Our corporate experience working for various agencies makes us aware of schedule and budgetary constraints. We are committed to establishing appropriate work plans, delivering quality products on time, and within the budget. We provide rapid response to all project concerns in order to minimize client difficulties, which, in turn, maximizes client satisfaction with our services. Since this is a Master Services Contract, a variety of survey tasks may be assigned. The following is a list of survey capabilities including but not limited to the various surveys outlined in the scope of services, along with our data capture and processing procedures:

**Right-of-Way Surveys** - Once the right-of-way requirements are decided, ownership and encumbrance reports are ordered for the affected parcels. Closures are printed for each take and parent tract and then compared against the controlling R/W maps to ensure closure. Real property descriptions are compared to the maps to ensure all dimensions are included. The maps and descriptions go through a thorough review, including our QA/QC checklist, before submittal. Our Quality Assurance Surveyor reviews the entire process to ensure all quality control procedures are being followed.

**Horizontal and Vertical Geodetic Control Surveys** - We utilize Trimble Global Positioning System (GPS) equipment to establish state plane coordinates on Primary Network Control stations. Surveys will implement static GPS methods utilizing first order control points from the National Geodetic Survey database or other existing acceptable control. Trimble Geomatics Office software is used to process the observed baselines and the final network adjustment is completed using VECTOR GPS network adjustment software. A signed and sealed network map that shows the independent vectors, station locations on a location map, and a listing of the final coordinates will be created, along with station location sheets. Secondary Network Control will be established from the established Primary stations using traditional second or third order traverse methods or by GPS, Real Time Kinematic, or Fast Static methods. The County's standards and deliverables are adhered to for these submittals. For Vertical Control work, we use a Topcon 2<sup>nd</sup> Order digital level to complete vertical survey observations and TDS software is used to do the adjustment of the level lines. Once the adjustment is completed, a Benchmark form with location sketch will be completed for each mark.

**Canal, Mining, Solid Waste, and Levee Projects** – As a phosphate mining consultant for over 13 years, we have a superior resume in canals, dams, levees, and other similar earthworks projects. Our Team understands the difference between maintenance surveys, design surveys, and permit compliance work, thus we have NO learning curve in serving Pinellas County. With our vast resume of completed projects and with our comprehensive safety program, we set the standard for the industry.





**Boundary Surveys** - Resolution of complex title issues require an orderly, thorough approach and careful documentation. Any conflicts ultimately end up in Court, and we use a methodical approach that recognizes the importance of both relevant and admissible evidence with sound procedures. As the titles of our Industry-Standard texts prove, the key to Boundary work is EVIDENCE and PROCEDURES. Our professionals understand and distinguish between all forms of evidence to establish lines of title by analysis and comparison of Descriptive Calls, Monumentation, Measurements, and Occupation by use, Occupation by construction, and Lines of Title of Adjoiners.

**Topographic Surveys** – Our field survey data is collected using Trimble/TDS Data collection software and/or FDOT’s Electronic Field Book computer program. The data is collected in segments containing a week of work. Once the segment data is processed, Civil 3D, CAICE, or Geopak software is used to edit the survey line and point data and to create a baseline of survey. We then develop a Digital Terrain Model (DTM) using any one of these software platforms. Hard copy plots of the data are then given to a field crew supervisor to complete a field review and assure data is not missing, along with checking drainage pipe sizes and other critical project details.

**Hydrographic Surveys** – Technology has revolutionized our approach to bathymetric mapping. With 4 different vessels ranging from a simple skiff to an Airboat or an offshore vessel, we have the in-house resources to reach every Town site.

**Construction Layout Surveys** – This is the highest liability area for the Professional Surveyor and our Approach is procedural-based. Our Director of Surveying has a 3-decade career in complex construction surveying ranging from towering beachfront condominiums to detailed dam construction and complex mining applications. Our zeal for correct procedures and documentation assures the Town of the quality of our services.

**Quantity & Solid Waste Working Face Surveys** – The key to providing quantity surveys is safety, as these projects typically occur in an active construction work zone. We have worked major earthworks sites for many years and have a considerable resume of completed projects throughout the State of Florida. With our thorough understanding of Town operations and processes, we have no learning curve. Our comprehensive safety program sets the standard for our industry. Of particular note is our detailed experience working with “working face” mapping in solid waste disposal facilities, which is one of the most difficult quantity surveys to perform. With weekly safety meetings and regular briefings, we endeavor to maintain the safety of our personnel and our work zone. Our survey personnel have FDOT MOT training, Mining MSHA training, CSX Rail Corridor Safety Training, OSHA confined Space Entry and Red Cross First Aid certifications.

**Wetlands Survey** – Technology has revolutionized our approach to data capture, and we have particular expertise in wetlands identification and species mapping. One of the critical components of this type of work is mobility. With four-wheel drive vehicles, ATV’s, a UTV, and 4 different vessels, we have the in-house resources to reach every project site in the most cost-effective manner.

**Tree Survey** – The CivilSurv Team has a superior resume for Tree Surveys. One of our Officers is also an Adjunct Professor in the School of Forest Resources and Conservation at the University of Florida. Our Team understands the difference between inventory/mapping surveys, design surveys, and permit compliance work; thus, we have no learning curve in serving the Town.

**Utility (SUE) Surveys** – The CivilSurv Design Group Team has extensive experience in Surveying and Mapping services for various utilities. Our SUE team uses the latest electro-detection, GPR, and vacuum extraction equipment. We have completed a number of Utility Surveys for Polk County including the new Gibson Oaks Water Treatment Plant where we did the Subsurface Utility Designates and Locates. Recently, we have been working on the SUE locates on the West Pipkin Road Roadway project with our teammate, PGA.

**As-Built Surveys** - As we are also an Engineering and CEI firm, our field personnel are uniquely trained in the importance of mapping completed construction elements for analysis and permit compliance. We strive to meet the needs of project designers and review agencies, avoiding the “it’s just a topo” approach that many surveyors take.

**Professional Surveying and Mapping Review Services** – Under contracts with various local municipalities, we have a proven track record of THOUSANDS of hours of PSM Review. For Polk County, we served for many years as their Development Review Consultant and provided complete planning, engineering, and surveying agency review services on behalf of the



Town. For several small communities and currently with Polk County, we have served as Consultant Surveyors for Plat reviews. For the Florida Department of Transportation, we have provided R/W Mapping Peer Reviews for many transportation R/W mapping projects.

**Aerial Photogrammetry** – CivilSurf’s extensive UAV/Drone knowledge and equipment will provide Photogrammetric services. We can provide LiDAR, Digital Mapping, Digital Orthophotos, Quantities and more as a faster economical solution to traditional plane/helicopter-based photogrammetry.

**CivilSurf Design Group, Inc.** provides a diverse array of services which entail the production of a multitude of products. All work products and processes are to be reviewed under the QA/QC program, including Contract Documents, Technical Specifications, Equipment Calibration, Survey Project Research and Field Reconnaissance, Horizontal and Vertical Control, Control Adjustment and Evaluation, Survey Field Data Collection, Data Processing, Survey Analysis and Resolution, Final Drawings and Reports, Permit Documents, and Project Close-Out.

The Project Management Plan defines the work products requiring QC reviews and the schedule for performing the QC reviews. Generally, QC review should be performed on each work product before it is used for further project development and before a required phase submittal to the client. Procedures outlined herein are purposefully general to afford sufficient flexibility so they can be applied to the wide range of deliverable documents furnished to clients, as well as be tailored to suit the particular needs of various Regulatory Agencies.

## Planning Review

**Hetty C. Harmon, AICP** has been a Planner since 1981 for various communities and private developers in Florida, Colorado, Wisconsin, and Illinois. Since 2000, Ms. Harmon has been a Senior Planner with our firm. Ms. Harmon has worked on land development regulations updates with the City of Indian Rocks Beach, St. Pete Beach, and other communities in Florida. Ms. Harmon worked on the EAR /Comprehensive Plan Updates for the City of Indian Rocks Beach, City of Frostproof and water supply plans for the City of Haines City and Frostproof. Ms. Harmon is currently the consulting City Planner for the City of Indian Rocks Beach, reviews all proposed development. Ms. Harmon has worked on various public Involvement projects over her planning career.

**John E. Howle, PE** is our Transportation Planner and has worked on various transportation projects for government agencies in Florida and was instrumental during the rewrite of Polk County’s Land Development regulations while he served as the County Engineer. Mr. Howle has assisted in development reviews for various communities throughout Florida. Mr. Howle was the adjunct County Engineer and Public Works Director for Okeechobee County and one of his duties includes development review.

## Land-Use Planning, Site Planning and Design Capabilities

Hetty Harmon, AICP has assisted in the design of commercial site plans and subdivisions in Florida, Wisconsin and Illinois. John E. Howle, P.E. has reviewed and designed himself site plans for various commercial and municipal uses such as Wal-Mart, Joker Marchant Stadium, Okeechobee Property Appraisers site and numerous schools throughout Polk, Hardee and Highlands counties.

## Development Application Review

Hetty Harmon, AICP has been reviewing site plans since 1981 for compliance with Land Development Codes for various cities and counties. John E. Howle, P.E. as the County Engineer reviewed site plans for compliance with the engineering regulations and as a consultant reviewed numerous plans for Polk County, City of West Melbourne, Indian Rocks Beach and Okeechobee County.

## Comprehensive Planning

**CivilSurf Design Group, Inc.** completed the EAR update, Comprehensive Plan Update and Land Development revisions for the City of Indian Rocks Beach, assisted the City of Frostproof with their EAR and Land Development Regulations update and prepared the City of Haines City 10 Year Water Supply Plan.



## Transportation Planning

**Hetty Harmon** and **John Howle** have been involved in numerous transportation studies including SR 50 in Groveland, County Line Road in Polk County, South Lake Trail for Lake and Sumter counties and a Sidewalk Master Plan for Okeechobee County.

## Land Development Code and Ordinance Preparation

**Hetty Harmon** has worked on various revisions to land development codes, as well as preparing the ordinances for the revisions for the Town of Breckenridge, City of Wheat Ridge, Colorado., the City of Frostproof, and the City of Indian Rocks Beach. Through this position, she worked to review various proposed improvements to determine their suitability for the area, confirm if a change in use is warranted, and facilitate the applications where that is the case writing a staff report for each situation for staff and Council/Commission consideration.

## Engineering Review

CivilSurv routinely works as an extension of staff, reviewing designs and construction projects for many clients. Current and former clients include: Adjunct City Engineer, City of West Melbourne; Adjunct City Engineer, City of Polk City; Adjunct City Engineer, City of Frostproof; Adjunct City Engineer, City of Indian Rocks Beach; Adjunct County Engineer, Okeechobee County; and Adjunct County Engineer, Polk County. Mr. Fuller, Mr. Frederick, and Mr. Howle have all functioned as the Municipal Engineers in the review of site development application packages submitted by various private developers. Applications reviewed included preliminary plats, construction plans, and final plats for residential subdivisions as well as preliminary site plans, construction plans, and final site plans for commercial developments. The applications were reviewed based on municipal ordinances, construction standards and specifications, and industry standards. Services included review of engineering aspects of various projects, including stormwater management systems and water utilities.

## Scheduling Methodology

**CivilSurv Design Group, Inc. is willing and committed to meet the time and budget requirements of tasks assigned by the Town of Kenneth City.**

**Project Cost Control Measures:** Effective project control is essential to maintaining project budgets and schedules. CivilSurv Design Group recognizes that its strong credentials, resources, and ability to respond quickly and efficiently are not sufficient in and of themselves to guarantee successful performance on this project. The project requires a management plan designed to specifically address the staffing, monitoring, planning, and communications challenges. It also calls for a management plan that deals with the need for well-documented and understandable procedures so that staff can be efficiently managed. Specifically, our management plan will provide:

- An efficient management system with clearly defined roles and responsibilities for scope, schedule, and budget
- A Project Manager as the primary point-of-contact for the County
- Quick-turnaround capability, as well as long-term program continuity
- Compliance with schedules and budgets
- Flexibility to respond to changes in scope and direction
- Quality assurance and quality control of all assignments of the contract

A sound management plan with regular progress updates has been the key to CivilSurv Design Group's success bringing projects in on time and within budget. Project Management is recognized as the most important ingredient in accomplishing the mission, objectives, and goals of each assignment. The essence of project management is the continual search for greater effectiveness through least costly methods. We will direct each assignment under this contract based upon a carefully thought-out work plan and schedule to maximize the cost and schedule effectiveness to the Town. *Our job is to get it correctly the first time and on time.* Our approach has several innovative concepts; however, we also recognize the need for *proven design procedures* applied with a *hard-working commitment of well-trained manpower.*





Our high standards will be maintained through an effective Project Control program that is comprised of the following key elements:

- WORK MANAGEMENT:**
- Planning project phases and scheduling resources
  - Anticipation of potential problem areas
  - Coordination with overall team and weekly progress meetings
  - Efficient supervision and technical direction of work effort
- PERSONNEL:**
- Qualified personnel assigned to appropriate duties
  - In-house technical and safety training programs
  - Technological upgrades balanced by practical applications
  - Regular review of drawings and computations
- SCHEDULES AND BUDGETS:**
- Defined milestones and budgets in advance
  - Established appropriate work plans
  - Computerized job cost accounting with weekly reports

The key to success for any project is readily-available personnel and a rapid response. **CivilSurv Design Group** will draw on its full resources for each project when and where necessary. This team will work together to provide a complete professional product to the Town. Further, we are committed to minimize client difficulties, which will maximize client satisfaction with our services.

## WORKLOAD

The CivilSurv Team has examined the current and projected workloads of our proposed Contract Manager and all proposed team members and has determined that they have no obligations, either present or future, that would prevent them from performing on any task assigned to the Team under this contract. Each person shown on our organizational chart (as shown in Tab 4) will be available for assignment as their particular skills are required. Also, our large pool of other talented resources enables us to increase labor resources on short notice to meet additional demands. In short, we are available to begin work immediately upon receipt of Notice-to-Proceed for each project and to complete all work in a timely, cost-efficient manner.

CivilSurv's Team can handle new projects without compromising our existing commitments. The Team's current and projected backlog office-wide is moderate, and our water resources, permitting, and specialty projects practitioners have ample capacity for the additional work that will be generated by this contract. We would employ the following techniques to simultaneously handle this project and other projects being completed.



## Workload & Schedule Management

At CivilSurv, we manage our long and short-term workload fluctuations through a policy of companywide resource/personnel sharing. CivilSurv is one of the most respected consulting firms in the local area and will commit the necessary resources to successfully complete any tasks assigned to us under this contract. All personnel discussed in the proposal are available for work under this contract. We typically manage dozens of ongoing projects throughout the State. At CivilSurv, we are accustomed to supporting the work environment that this contract demands and have developed several management techniques to ensure staff availability, quality, and timeliness of the work products, particularly as they relate to managing work overloads, in order to prevent delays. These are summarized herein:

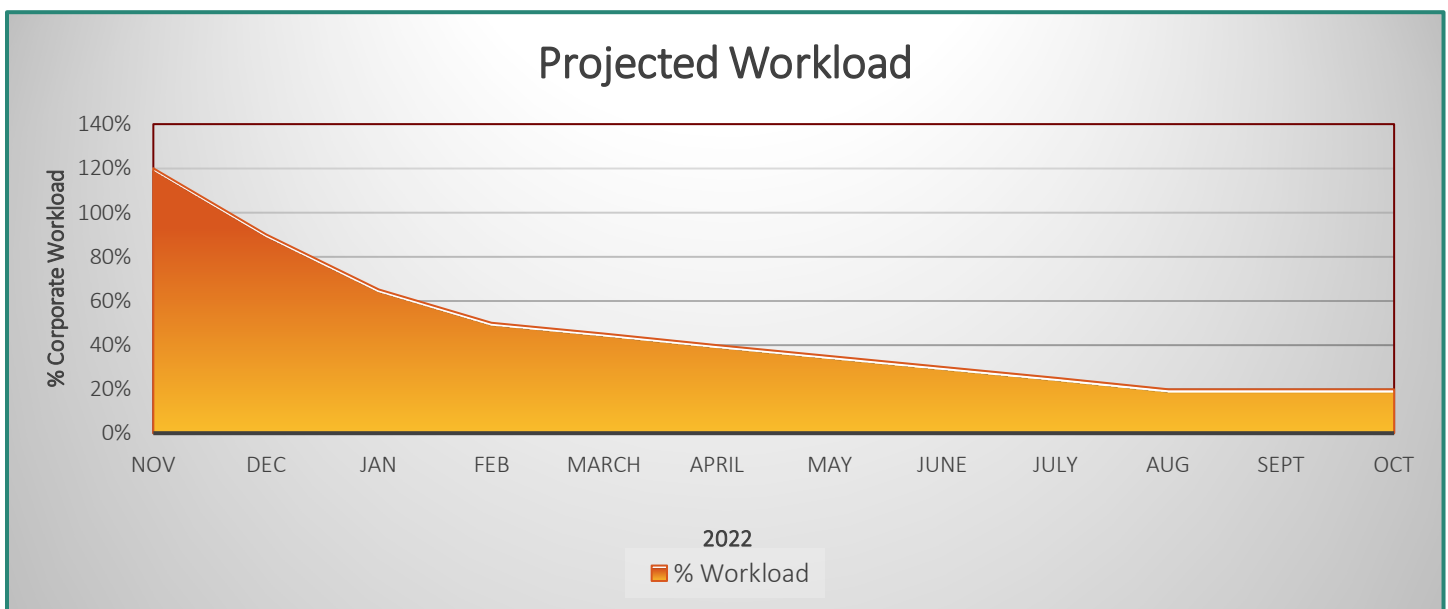
**Project Execution Plan:** for a project to be successful, it must be properly defined, organized, and staffed with qualified personnel. It also must be properly scheduled and budgeted with sufficient hours and time to complete the required tasks, especially QA/QC reviews. CivilSurv prepares a Project Execution Plan to establish and define the scope, production goals, schedule, tasks, budget, project staff, and any task-specific QA/QC or health and safety requirements necessary for project development and execution of the assignment.

**Rapid Project Kick-off:** Upon notice to proceed for a project or a task within a project, the CivilSurv Project Manager immediately assembles the team and develops a critical path schedule. CivilSurv is accustomed to short-duration projects, and our project managers are experienced at rapid project kickoffs. The project manager asks the right questions and acquires the right information on Day 1 so no time is lost at project start-up.

**Depth of Resources:** With nearly 40 employees and our great teammates, CivilSurv has the depth of resources to augment the team as needed to meet project goals.

**Comprehensive Range of Disciplines:** Our Team has all areas of expertise needed for success of this contract. The CivilSurv Team is a “one-stop shop,” offering the entire range of services that may be required.

CivilSurv uses Deltek’s Ajera project management software to detail every project’s personnel needs and also to determine each staff person’s availability. By continuously matching project needs with staff availability, our staffing projection system is a valuable tool for keeping our projects on schedule.



## TAB 6: REFERENCES



### A. J.D. Langford, PE

B. Assistant County Engineer

C. Highlands County

D. 505 S. Commerce Ave., Sebring, FL 33870

E. 863-402-6877

F. jlangford@highlandsfl.gov

G. Contract Date and Value; \$149,230, additional design services- \$15,210

H. This project involves the design of 1.4 miles of a new 8-ft-wide multi-use trail within the existing Memorial Drive right of way. The multi-use trail connects with an existing multi-use trail at Pompano Drive and existing sidewalk at Sebring Parkway. The drainage system design concept for the project involved the utilization of existing drainage infrastructure, where possible. This innovative approach required the use of multiple typical cross sections throughout the project and resulted in significant reductions to the overall project costs. The project was performed under a Local Agency Program (LAP) project agreement between the FDOT & Highlands County.

I. Total cost of the engineering/construction/studies, estimated and actual. Engineering: \$149,230, additional design services: \$15,210, Construction: Est.- \$1,784,400, Actual- \$TBD. Design completed but considering other options for land acquisition to reduce culvert costs.

### A. Dean Scharmen

B. Public Services Director

C. City of Indian Rocks Beach

D. 1507 Bay Palm Blvd., Indian Rocks Beach, FL 33785

E. 727-595-6889

F. dscharmen@irbcity.com

G. Contract Date and Value; 1998-ongoing (present)

H. CivilSurv has served as the professional engineering consultant for the City of Indian Rocks Beach since 1998. In this capacity, CivilSurv has been assigned a wide variety of municipal projects, including providing their in-house planning and site plan review services. We routinely confirm site designs and planning projects meet the City's requirements and work as an extension of staff to keep the City compliant with FDEP/SWFWMD/Pinellas County Requirements. Major projects include: 27th Avenue Stormwater Improvements and Habitat Restoration, 1st Street Roadway Improvements

Lift Station #2 and Force Main Upgrade, Gulf Boulevard Pedestrian Islands, Gulf Boulevard Gravity Sewer Improvements, City-wide Storm Sewer, Replacement Program, Update Water Supply Work Plan, Prepare EAR based Comprehensive Plan Amendments, Update Land Development Regulations, Planning and Engineering development reviews, Shoreline Stabilization, and SWFWMD Grant Application.

I. Total cost of the engineering/construction/studies, estimated and actual. Over \$2 million total in engineering fees, recent projects Harbor Drive and LaHacienda Stormwater Construction: Estimated - \$174,200. Actual - \$167,250.

### A. Scott Noethlich

B. City Administrator

C. City of Sebring

D. 368 S. Commerce Avenue, Sebring, FL 33870

E. 863-471-5100, f. 863-471-5142

F. scottnoethlich@mysebring.com

G. Contract Date and Value; 2020-ongoing (present)

H. CivilSurv was selected by the City to perform the infrastructure analysis. The study involved the evaluation of existing conditions and consideration of several alternatives for conceptual improvements. With the support of our teaming partners, CivilSurv assisted the City with funding coordination through the Florida Department of Environmental Protection (FDEP) State Revolving Fund (SRF) loan program. Later phases of the project will involve detailed engineering design, permitting, and construction administration services.

Through the analysis, it was determined the storm sewer system was the critical infrastructure element as nearly all of the storm sewer networks contributing to the 28 individual outfalls were found to be inconsistent with current standards. This involved undersized storm sewer pipes and culverts and a lack of inlet spacing to efficiently remove stormwater runoff from the roadway. Water quality improvements were proposed to improve the water quality of Lake Jackson, utilizing nutrient-separating baffle boxes. The sanitary sewer system was constructed in the 1990s and rehabilitation alternatives reviewed included re-benching the inverts and lining the structures as compared to manhole replacement.

I. Total cost of the engineering/construction/studies, estimated and actual. Engineering: \$218,000 plan, \$1.45 million design. Construction (estimated): \$18 million.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 11/7/2022

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.

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.

PRODUCER: Heacock Insurance Group, LLC. CONTACT NAME: Tami Troyer. PHONE: 863-683-2228. FAX: 863-683-3309. INSURER(S) AFFORDING COVERAGE: INSURER A: Landmark American Insurance Co, INSURER B: Travelers Property Casualty Co of Florida, INSURER C: Travelers Casualty & Surety, INSURER D, INSURER E, INSURER F.

COVERAGES CERTIFICATE NUMBER: 1323555413 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.

Table with columns: INSR LTR, TYPE OF INSURANCE, ADDL INSD, SUBR WVD, POLICY NUMBER, POLICY EFF (MM/DD/YYYY), POLICY EXP (MM/DD/YYYY), LIMITS. Rows include Commercial General Liability, Automobile Liability, Umbrella Liab, Workers Compensation and Employers' Liability, Professional Liability Crime.

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER: Town of Kenneth City, 6000 54th Ave N, Kenneth City FL 33709. 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: [Signature]

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**TAB 8:  
LITIGATION**



**CivilSurv Design Group, Inc. does not have any ongoing or outstanding litigation, and we have been blessed to never have been involved in any litigation.**

I, Craig R. Fuller, PE, President of CivilSurv Design Group, Inc. hereby certify that we have not been involved in any litigation during the previous three (3) year period.

Craig R. Fuller, PE  
President of CivilSurv Design Group, Inc.

**November 17, 2022**

Date

Sworn to and subscribed before me this 17th day of November, 2022

Notary Signature

Seal:



**Victoria S. Brady  
Comm. # GG366565  
Expires: August 15, 2023  
Bonded Thru Aaron Notary**

FORM 1

PROPOSAL CHECKLIST

- Form 1: Proposal Checklist
- Form 2: Certification
- Form 3: Company Qualifications Questionnaire
- Form 4: Certificate of Authority (Complete the appropriate form)
  - Form 4A: Certificate of Authority (for Corporations or Partnerships)
  - Form 4B: Certificate of Authority (for Individuals)
- Form 5: Acknowledgment of Addenda
- Form 6: Single Execution Affidavit
- Form 7: Certification for Disclosure of Lobbying Activities on Federal Aid Contracts (Compliance with 49 CFR, §20.100(b))
- Form 8: Dispute Disclosure
- Form 9: Key Staff and Proposed Subcontractors
- Form 10: Reference Letters
- Form 11: E-Verify Affidavit
- Form 12: IRS Form W-9
- Form 13: Proof of Required Insurance
- Form 14: Bid Security/Bid Bond (unless waived)
- Form 15: Performance Bond & Payment Bond (unless waived)
- Form 16: Sworn Statement regarding Public Entities Crimes
- Form 17: Americans with Disabilities Act Non-Discrimination Statement,
- Form 18: Certification Regarding Debarment, Suspension, and Other Responsibility Matters Primary Covered Transactions

Firm: CivilSurv Design Group, Inc. Date: 11/17/2022

Authorized Signature: 

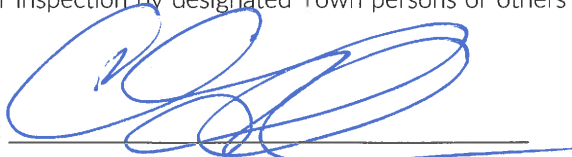
Print or Type Name: Craig Fuller Title: President

FORM 2

**CERTIFICATION**

1. I/We understand, acknowledge, and agree that the Town of Kenneth City shall not be responsible for reimbursement of any costs incurred in the preparation of this proposal.
2. I/We understand, acknowledge, and agree that the Town Council may reject this proposal, in whole or in part, out-of-hand, for no reason, and that any such rejection will result in no obligation whatsoever on the part of the Town of Kenneth City or any of its employees and officials.
3. I/We understand, acknowledge, and agree that the Town Council reserves the right to reject all proposals and to accept any offer received, whether the offer is the lowest price offer received.
4. I/We understand, acknowledge, and agree that any contract awarded herein shall not entitle the successful proposer to perform work for the Town of Kenneth City on an exclusive basis.
5. I/We understand, acknowledge, and agree that the Town Council will require, as a condition of any contract awarded under this RFQ, that the proposer shall provide proof of insurance in amounts acceptable to the Town. If selected for the award of a contract under this RFQ, I/We agree to provide to the Town Council proof of insurance in the form and amounts satisfactory to it.
6. I/We understand, acknowledge, and agree that this RFQ and the selected Firm's proposal may, by reference, become a part of any formal Contract between the candidate chosen and the Town resulting from this solicitation.
7. I/We understand, acknowledge, and agree that the Engineering Professional(s) shall provide professional engineering services in accordance with this RFQ, as they may be amended from time to time.
8. I/We understand, acknowledge, and agree that the Town Manager will be responsible for monitoring the day-to-day services of the Engineering Professional(s). The Engineering Professional(s) shall promptly report any conditions, transactions, occurrences, events, situations, or circumstances encountered who would impede or impair the proper conduct of the services provided.
9. I/We understand, acknowledge, and agree that all proposals submitted shall become public record upon opening the sealed envelope in which the Firm's proposal is submitted.
10. I/We understand, acknowledge, and agree that if selected, the Candidate will be required to keep complete records of its business and operations under and in connection with the contracted services. All such records shall be made available for inspection by designated Town persons or others as the Town might require.

Signature of Authorized Representative: \_\_\_\_\_



**ACKNOWLEDGMENT**

State of Florida  
County of   POLK  

The foregoing instrument was acknowledged before me by means of   x   physical presence or    online notarization, this   17th   day of   November  , 20   22  , by   Craig Fuller

(name of person) as President (type of authority) for CivilSurv Design Group, Inc.  
(name of party on behalf of whom instrument is executed).

*Victoria S. Brady*

Notary Public (Print, Stamp, or Type as Commissioned)

- Personally known to me; or
- Produced identification (Type of Identification: \_\_\_\_\_)
- Did take an oath; or
- Did not take an oath



Victoria S. Brady  
Comm. # GG366565  
Expires: August 15, 2023  
Bonded Thru Aaron Notary



**FORM 3  
COMPANY QUALIFICATIONS QUESTIONNAIRE**

Please complete this Company Qualifications Questionnaire. By completing this form and submitting a response to the solicitation, you certify that any and all information contained in the Response is true, that your response to the RFQ is made without prior understanding, agreement, or connections with any corporation, firm or person submitting a response to the RFQ for the same materials, supplies, equipment, or services, is in all respects fair and without collusion or fraud, that you agree to abide by all terms and conditions of the solicitation, and certify that you are authorized to sign for the Respondent's firm. Some responses may require the inclusion of separate attachments. Separate attachments should be as concise as possible, while including the requested information. In no event should the total page count of all attachments to this Form exceed five (5) pages. Some information may not be applicable; in such instances, please insert "N/A".

CivilSurv Design Group, Inc.  
Firm Name

2525 Drane Field Road, Suite 7 Lakeland, FL 33811  
Principal Business Address

863-646-4771 Telephone Number 863-646-3378 Facsimile Number

cfuller@civilsurv.com  
Email Address

27-1816201 Federal I.D. No. or Social Security Number Lakeland - 1052208 Municipal Business Tax/Occupational License No.

**FIRM HISTORY AND INFORMATION**

How many years has the firm has been in business under its current name and ownership? 12

Please identify the Firm's document number with the Florida Division of Corporations and date the Firm registered/filed to conduct business in the State of Florida:

P10000009487 Document Number 2/1/2010 Date Filed

Please identify the Firm's category with the Florida Department of Business Professional Regulation (DBPR), DBPR license number, and date licensed by DBPR:

Professional Engineering Services Category 28988 License No. 2/16/2010 Date Licensed

Please indicate the type of entity form of the Firm (if other, please describe):  
 Individual  Partnership  Corporation  LLC  LLP  Other \_\_\_\_\_

Please identify the Firm's primary business: Professional Engineering Services/Land Surveying & Mapping Services

Please identify the number of continuous years your Firm has performed its primary business: 12

Please list all professional licenses and certifications held by the Firm, its Qualifier/Principal, and any Key Staff, including any active certifications of small, minority, or disadvantaged business enterprise, and the name of the entity that issued the license or certification:

License/Certification Type	Name of Entity Issuing License or Certification	License No.	License Issuance Date
SBE	City of St. Petersburg	138332	June 1, 2020
SBE	South Florida Water Management District	117512	January 8, 2022
Professional Surveyor/Mapper	FDACS	LB7805	February 28, 2022

Corporate Engineer Board of Professional Engineers 28988 February 16, 2010

Please identify the name, license number, and issuance date of any prior companies that pertain to your Firm:

License/Certification Type	Name of Entity Issuing License or Certification	License No.	License Issuance Date

Please identify all individuals authorized to sign for the entity, their title, and the threshold/level of their signing authority:

Authorized Signor's Name	Title	Signing Authority Threshold (All, Cost up to \$X-Amount, No Cost, Other)
Craig Fuller	President	All
Mark Frederick	VP	All
John Howle	VP	All

Kenneth Glass VP/Secretary All

Please identify the total number of Firm employees, managerial/administrative employees.

Total No. of Employees	38
Total No. of Managerial/Administrative Employees	3

### INSURANCE INFORMATION

Please provide the following information about the Firm's insurance company:

Brown and Brown dba Heacock Insurance Group, LLC Tami Troyer  
Insurance Carrier Name Insurance Carrier Contact Person

100 E. Main Street Lakeland, FL 33801 863-683-2228 ttroyer@heacock.com  
Insurance Carrier Address Telephone No. Email

Has the Firm filed any insurance claims in the last five (5) years?  No  Yes If yes, please identify the type of claim and the amount paid out under the claim: \_\_\_\_\_

**FIRM OWNERSHIP**

Please identify all Firm owners or partners, their title, and percent of ownership:

Owner/Partner Name	Title	Ownership (%)
<b>Craig Fuller</b>	President	25%
<b>Mark Frederick</b>	VP of Civil Engineering	25%
<b>John Howle</b>	VP of Engineering	25%
<b>Kenneth Glass</b>	VP of Surveying & Mapping	25%

Please identify whether any of the owners/partners identified above are owners/partners in another entity:

No  Yes If yes, please identify the name of the owner/partner, the other entity's name, and percent of ownership held by the stated owner/partner:

Owner/Partner Name	Other Entity Name	Ownership (%)

**RECENT CONTRACTS**

Please identify the five (5) most recent contracts in which your Firm has provided services to other public entities:

Public Entity Name	Contact Person	Telephone No.	Email Address	Date Awarded
Fort Pierce Utility Authority	<b>Josh Miller</b>	772-466-1600 x3404	jmiller@fpua.com	9/22/2022
Polk County Utilities	<b>Eric Phillips</b>	863-298-4100	ericphillips@polk-county.net	10/17/2022
Town of Redington Beach	<b>Tim Kornijtschuk</b>	630-675-6111	tkornijtschuk@townofredingtonbeach.com	10/4/2022
Highlands County	<b>Dawn Ritter</b>	863-402-6529	dritter@highlandsfl.gov	10/14/2022
Indian River County	<b>David Schryver</b>	772-226-1386	dschryver@ircgov.com	9/19/2022

By signing below, Respondent certifies that the information contained herein is complete and accurate to the best of Respondent's knowledge.

Firm: CivilSurv Design Group, Inc.

Authorized Signature:  Date: 11/17/2022

Print or Type Name: Craig R. Fuller, PE Title: President

FORM 4A  
CERTIFICATE OF AUTHORITY  
(Corporation/Partnership)

I HEREBY CERTIFY that a meeting of the [circle one] Board of Directors Partners of \_\_\_\_\_  
CivilSurv Design Group, Inc.

\_\_\_\_\_ a business existing under the laws of the State of Florida,  
(the "Entity") held on November 17th, 2022, the following resolution was duly  
passed and adopted:

"RESOLVED, that, Craig R. Fuller, PE, as \_\_\_\_\_  
President of the Entity, be and is hereby authorized to  
execute this Proposal dated November 23rd, 2022, on  
behalf of the Entity and submit this Proposal to the Town of Kenneth  
City, and this Entity and the execution of this Certificate of Authority,  
attested to by the Secretary of the Corporation, and with the Entity's  
Seal affixed, will be the official act and deed of this Entity."

I FURTHER CERTIFY that said resolution is now in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the official seal of the  
Entity this 17th day of November, 2022.

Secretary: 

Print Name: Kenneth T. Glass

President: 

Print Name: Craig R. Fuller

(Seal)



FORM 5  
ACKNOWLEDGEMENT OF ADDENDA

I HEREBY ACKNOWLEDGE that I have received all of the following addenda and am informed of the contents thereof:

Addendum Numbers Received:  
(Check the box next to each addendum received)

<input type="checkbox"/> Addendum 1	<input type="checkbox"/> Addendum 6
<input type="checkbox"/> Addendum 2	<input type="checkbox"/> Addendum 7
<input type="checkbox"/> Addendum 3	<input type="checkbox"/> Addendum 8
<input type="checkbox"/> Addendum 4	<input type="checkbox"/> Addendum 9
<input type="checkbox"/> Addendum 5	<input type="checkbox"/> Addendum 10

Firm: CivilSurv Design Group, Inc.

Authorized Signature:  Date: 11/21/2022

Print or Type Name: Craig R. Fuller, PE Title: President

FORM 6  
SINGLE EXECUTION AFFIDAVITS

THIS FORM COMBINES SEVERAL AFFIDAVIT STATEMENTS TO BE SWORN TO BY THE RESPONDENT OR BIDDER AND NOTARIZED BELOW. IN THE EVENT THE RESPONDENT OR BIDDER CANNOT SWEAR TO ANY OF THESE AFFIDAVIT STATEMENTS, THE RESPONDENT OR BIDDER IS DEEMED TO BE NON-RESPONSIBLE AND IS NOT ELIGIBLE TO SUBMIT A PROPOSAL/BID.

THESE SINGLE EXECUTION AFFIDAVITS ARE STATEMENTS MADE ON BEHALF OF:

CivilSurv Design Group, Inc. By: Craig R. Fuller, PE, President  
NAME OF PROPOSING OR BIDDING ENTITY INDIVIDUAL'S NAME AND TITLE

27-1816201 Date: 11/17/2022  
FEIN OF PROPOSING OR BIDDING ENTITY

**Americans with Disabilities Act Compliance Affidavit**

The above named firm, corporation or organization is in compliance with and agrees to continue to comply with, and assure that any subcontractor, or third party contractor under this project complies with all applicable requirements of the laws listed below including, but not limited to, those provisions pertaining to employment, provision of programs and services, transportation, communications, access to facilities, renovations, and new construction.

- The American with Disabilities Act of 1990 (ADA), Pub. L. 101-336, 104 Stat 327, 42 USC 12101-12213 and 47 USC Sections 225 and 661 including Title I, Employment; Title II, Public Services; Title III, Public Accommodations and Services Operated by Private entities; Title IV, Telecommunications; and Title V, Miscellaneous Provisions.
- The Florida Americans with Disabilities Accessibility Implementation Act of 1993, Section 553.501-553.513, Florida Statutes:
- The Rehabilitation Act of 1973, 29 USC Section 794;
- The Federal Transit Act, as amended 49 USC Section 1612;
- The Fair Housing Act as amended 42 USC Section 3601-3631.

CRF  
Respondent Initials

**Public Entity Crimes Affidavit**

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 misrepresentations.

I understand that “convicted” or “conviction” as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication 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.

I understand that an “affiliate” as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

1. A predecessor or successor of a person convicted of a public entity crime; or
2. 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 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 person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

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 or 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, and partners, shareholders, employees, members, and agents who are active in management of an entity.

Based on information and belief, the statement, which I have marked below, is true in relations 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 ad 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 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 Consultant list (attach a copy of the final order).

I understand that the submission of this form to the contracting officer 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.

CRF  
Respondent Initials

**No Conflict of Interest or Contingent Fee/Anti-Kickback/Code of Ethics Affidavit**

Respondent warrants that neither it nor any principal, employee, agent, representative nor family member has paid, promised to pay, or will pay any fee or consideration that is contingent on the award or execution of a contract arising out of this solicitation. Respondent also warrants that neither it nor any principal, employee, agent, representative nor family member has procured or attempted to procure this contract in violation of any of the provisions of Florida law. Further, Respondent acknowledges that any violation of this warranty will result in the termination of the contract and forfeiture of funds paid or to be paid to the Respondent should the Respondent be selected for the performance of this contract.

CRF  
Respondent Initials

**Business Entity Affidavit**

Respondent hereby recognizes and certifies that no elected official, board member, or employee of the Town of Kenneth City ("Town") shall have a financial interest directly or indirectly in this transaction or any compensation to be paid under or through this transaction, and further, that no Town employee, nor any elected or appointed officer



(including Town board members) of the Town, nor any spouse, parent or child of such employee or elected or appointed officer of the Town, may be a partner, officer, director or proprietor of Respondent or Consultant, and further, that no such Town employee or elected or appointed officer, or the spouse, parent or child of any of them, alone or in combination, may have a material interest in the Consultant or Respondent. Material interest means direct or indirect ownership of more than 5% of the total assets or capital stock of the Respondent. Any exception to these above-described restrictions must be expressly provided by applicable law or ordinance and be confirmed in writing by Town. Further, Respondent recognizes that with respect to this transaction or bid, if any Respondent violates or is a party to a violation the provisions of Chapter 112, part III, Fla. Stat., the Code of Ethics for Public Officers and Employees, such Respondent may be disqualified from furnishing the goods or services for which the bid or proposal is submitted and may be further disqualified from submitting any future bids or proposals for goods or services to the Town.

CRF

Respondent Initials

### Non-Collusion/Anti-Collusion Affidavit

1. Respondent/Bidder has personal knowledge of the matters set forth in its Proposal/Bid and is fully informed respecting the preparation and contents of the attached Proposal/Bid and all pertinent circumstances respecting the Proposal/Bid;
2. The Proposal/Bid is genuine and is not a collusive or sham Proposal/Bid; and
3. Neither the Respondent/Bidder nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including Affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly with any other Respondent/Bidder, firm, or person to submit a collusive or sham Proposal/Bid, or has in any manner, directly or indirectly, sought by agreement or collusion or communication or conference with any other Respondent/Bidder, firm, or person to fix the price or prices in the attached Proposal/Bid or of any other Respondent/Bidder, or to fix any overhead, profit, or cost element of the Proposal/Bid price or the Proposal/Bid price of any other Respondent/Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against Kenneth City or any person interested in the proposed Contract.

CRF

Respondent Initials

### Scrutinized Companies

1. Respondent certifies that it and its subcontractors are not on the Scrutinized Companies that Boycott Israel List. Pursuant to Section 287.135, F.S., the Town may immediately terminate the Agreement that may result from this RFQ at its sole option if the Respondent or its subcontractors are found to have submitted a false certification; or if the Respondent, or its

subcontractors are placed on the Scrutinized Companies that Boycott Israel List or is engaged in the boycott of Israel during the term of the Agreement.

2. If the Agreement that may result from this RFQ is for more than one million dollars, the Respondent certifies that it and its subcontractors are also not on the Scrutinized Companies with Activities in Sudan, Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or engaged with business operations in Cuba or Syria as identified in Section 287.135, F.S. pursuant to Section 287.135, F.S., the Town may immediately terminate the Agreement that may result from this RFQ at its sole option if the Respondent, its affiliates, or its subcontractors are found to have submitted a false certification; or if the Respondent, its affiliates, or its subcontractors are placed on the Scrutinized Companies with Activities in Sudan List, or Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or engaged with business operations in Cuba or Syria during the term of the Agreement.
3. The Respondent agrees to observe the above requirements for applicable subcontracts entered into for the performance of work under the Agreement that may result from this RFQ. As provided in Subsection 287.135(8), F.S., if federal law ceases to authorize the above-stated contracting prohibitions then they shall become inoperative.

#### CRF

Respondent Initials

#### Acknowledgment, Warranty, and Acceptance

1. Consultant warrants that it is willing, able to, and will comply with all applicable federal, state, county, and local laws, rules and regulations.
2. Consultant warrants that it has read, understands, and is willing to and will comply with all of the requirements of the solicitation and any and all addenda issued pursuant thereto.
3. Consultant warrants that it will not delegate or subcontract its responsibilities under an agreement without the prior written permission of the Town Manager.
4. Consultant warrants that all information provided by it in connection with this proposal is true and accurate.
5. I hereby propose to furnish the services specified in the RFQ. I agree that my Proposal will remain firm for a period of 365 days in order to allow the Town adequate time to evaluate the Statements of Qualifications.
6. I certify that all information contained in this Proposal is truthful to the best of my knowledge and belief. I further certify that I am duly authorized to submit this Statement of Qualification on behalf of the firm as its act and deed and that the firm is ready, willing and able to perform if awarded the contract.
7. I understand that a person or affiliate who has been placed on the convicted Consultant list following a conviction for public entity crimes may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to public entity, may not be awarded or perform work as a contractor, supplier, sub-contractor, or consultant under a contract with a public entity , and may not transact business with any public entity in excess of the threshold amount provided in Sec. 287.017, for CATEGORY TWO for a period of 36 months from the date of being placed on the convicted Consultant list.

CRF  
Respondent Initials

Ownership Disclosure Affidavit

1. If the contract or business transaction is with a corporation or company, the full legal name and business address shall be provided for each officer, director, member and manager and each stockholder or member who holds directly or indirectly five percent (5%) or more of the corporation's or company's stock or shares. If the contract or business transaction is with a trust, the full legal name and address shall be provided for each trustee and each beneficiary. All such names and addresses are (Post Office addresses are not acceptable), as follows (attach additional sheet, if necessary):

Name	Address	Ownership (%)
Craig R. Fuller	2525 Drane Field Road, Suite 7 Lakeland, FL 33811	25%
Mark J. Frederick	2525 Drane Field Road, Suite 7 Lakeland, FL 33811	25%
John E. Howle	2525 Drane Field Road, Suite 7 Lakeland, FL 33811	25%
Kenneth T. Glass	2525 Drane Field Road, Suite 7 Lakeland, FL 33811	25%

2. The full legal names and business address of any other individual (other than subcontractors, material men, suppliers, laborers, or lenders) who have, or will have, any interest (legal, equitable, beneficial, or otherwise) in the contract or business transaction with the Town are (Post Office addresses are not acceptable), as follows (attach additional sheet, if necessary):

Name	Address

--	--

CRF  
Respondent Initials

**Truth in Negotiation Certificate**

The Consultant hereby certifies, covenants, and warrants that wage rates and other factual unit costs supporting the compensation for projects and services that may be offered pursuant to this Request for Proposals and the Agreement related thereto will be accurate, complete, and current at the time of contracting. The Consultant further agrees that the price provided under separate, project specific agreements and any additions thereto shall be adjusted to exclude any significant sums by which the Town determines the agreement price was increased due to inaccurate, incomplete, or non-current wage rates and other factual unit costs. All such agreement adjustments shall be made within one (1) year following the end of each corresponding agreement. For purpose of this certificate, the end of the agreement shall be deemed to be the date of the final billing or acceptance of the work by the Town, whichever is later. The undersigned firm is furnishing this Truth in Negotiation Certificate pursuant to Section 287.055(5)(a), Florida Statutes for the undersigned firm to receive an agreement for professional services with Kenneth City, Florida.

CRF  
Respondent Initials

**Prohibition on Contingent Fees**

The Consultant warrants that he or she has not employed or retained any company or person, other than a bona fide employee working solely for the Consultant to solicit or secure this Request for Proposals and the Agreement related thereto and that he or she has not paid or agreed to pay any person, company, corporation, individual, or firm, other than a bona fide employee working solely for the Consultant any fee, commission, percentage, gift, or other consideration contingent upon or resulting from the award or making of this agreement. The undersigned Consultant is furnishing this statement pursuant to Section 287.055(6)(a), Florida Statutes for the undersigned firm to receive an agreement for professional services with Kenneth City, Florida. Consultant understands that for the breach or violation of this provision, the Town shall have the right to terminate the resulting agreement without liability and, at its discretion, to deduct from the contract price, or otherwise recover, the full amount of such fee, commission, percentage, gift, or consideration. The provisions of this statement shall be incorporated in the resulting agreement, if awarded, as though fully stated therein.

CRF  
Respondent Initials

Sworn Signature of Proposing Entity Representative and Notarization  
for all above Affidavits follows on the next page.

In the presence of:

Melisha Harrell

Witness #1 Print Name: Melisha Harrell

Mark Frederick

Witness #2 Print Name: MARK FREDERICK

Signed, sealed and delivered by:

[Signature]

Print Name: Craig R. Fuller

Title: President

Firm: CivilSurv Design Group, Inc.

ACKNOWLEDGMENT

State of Florida

County of POLK

The foregoing instrument was acknowledged before me by means of x physical presence or \_\_\_ online notarization, this 17th day of November, 20 22, by Craig R. Fuller, PE (name of person) as President (type of authority) for CivilSurv Design Group (name of party on behalf of whom instrument is executed).

Victoria S. Brady  
Notary Public (Print, Stamp, or Type as Commissioned)

- x Personally known to me; or
- \_\_\_ Produced identification (Type of Identification: \_\_\_\_\_)
- x Did take an oath; or
- \_\_\_ Did not take an oath



**Victoria S. Brady**  
**Comm. # GG386565**  
**Expires: August 15, 2023**  
**Bonded Thru Aaron Notary**

FORM 7  
CERTIFICATION FOR DISCLOSURE OF LOBBYING ACTIVITIES ON FEDERAL-AID  
CONTRACTS (Compliance with 49 CFR, Section 20.100 (b))

The prospective participant certifies, by signing this certification, that to the best of his or her knowledge and belief:

1. No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
2. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities", in accordance with its instructions.
3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.
4. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.
5. The Contractor described below certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Contractor understands and agrees that the provisions of 31 U.S.C. § 3801 *et seq.*, apply to this certification and disclosure, if any.

Firm: CivilSurv Design Group, Inc.

Authorized Signature:  Date: 11/17/2022

Print or Type Name: Craig R. Fuller, PE Title: President

FORM 8  
DISPUTE DISCLOSURE

Answer the following questions by placing an "X" after "Yes" or "No". If you answer "Yes" to any of the questions, please explain in the space provided, or on a separate sheet attached to this form.

1. Has your firm or any of its officers, received a reprimand of any nature or been suspended by the Department of Professional Regulations or any other regulatory agency or professional associations within the last five (5) years?

YES \_\_\_\_\_ NO   x  

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2. Has your firm, or any member of your firm, been declared in default, terminated or removed from a contract or job related to the services your firm provides in the regular course of business within the last five (5) years?

YES \_\_\_\_\_ NO   x  

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3. Has your firm had against it or filed any requests for equitable adjustment, contract claims, Bid protests, or litigation in the past five (5) years that is related to the services your firm provides in the regular course of business?

YES \_\_\_\_\_ NO   x  

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If yes, state the nature of the request for equitable adjustment, contract claim, protest, litigation, and/or regulatory action, and state a brief description of the case, the outcome or status of the suit, the monetary amounts of extended contract time involved, and the court or agency before which the action was instituted, the applicable case or file number, and the status or disposition for such reported action. Described all litigation (include the court and location) of any kind involving Consultant or any Key Staff members within the last five (5) years.

I hereby certify that all statements made are true and agree and understand that any misstatement or misrepresentation or falsification of facts shall be cause for forfeiture of rights for further consideration of this Proposal for Kenneth City, Florida.

Firm: CivilSurv Design Group, Inc.

Authorized Signature:  Date: 11/17/2022

Print or Type Name: Craig R. Fuller, PE Title: President



FORM 9  
KEY STAFF & PROPOSED SUBCONTRACTORS

KEY STAFF

Please complete the following chart with the Firm's proposed Key Staff. If additional space is required, please copy/duplicate this page and attach to this Form. Additional space:  No  
 Yes

Name	Title	Years of Experience	Years with Firm	Licenses/Certifications
Craig Fuller, PE	Contract Manager	20	4	Professional Engineer #65605
John Howle, PE	Principal-in-Charge	47	23	Professional Engineer #27584
William Smith, PE	QA/QC	46	19	Professional Engineer #56434
Mark Frederick, PE, ENV SP, CFM, PMP	Roadway/Drainage Lead Engineer, Engineering Review	20	2	- Professional Engineer #70671 - CFM #07-03155 - Stormwater Management Inspector #15170
Derick Bryant, PE	Project Engineer	20	< 1	Professional Engineer #67369
Morgan Thomas	Project Engineer	25	5	N/A
Meghan Miller, EI	Project Engineer	1	1	Engineering Intern #1100025880

Please explain the Firm's ability and resources to substitute personnel with equal or higher qualifications than the Key Staff they will substitute for where substitute is required due to attrition, turnover, or a specific request by the Town:

**Additional qualified in-house staff are available to support the project, if needed. As**

**well, our teaming partners have supplementary resources that will be available to the Town. Our team has been assembled to ensure staffing availability to meet needs.**

**With the inclusion of our teaming partners, the skills and expertise of over 75 professionals in Florida are available to Kenneth City.**

FORM 9  
KEY STAFF & PROPOSED SUBCONTRACTORS

KEY STAFF

Please complete the following chart with the Firm's proposed Key Staff. If additional space is required, please copy/duplicate this page and attach to this Form. Additional space:  No  
 Yes

Name	Title	Years of Experience	Years with Firm	Licenses/Certifications
Matthew Harvey, EI	Project Engineer	< 1	< 1	Engineering Intern #1100026033
Kenneth Glass, PSM	Surveying Lead	38	24	Professional Surveyor & Mapper #LS5713
Tim Morris, PSM	Survey & SUE Services/LIDAR	23	5	Professional Surveyor & Mapper #LS7261
Gary Allen, PLS	Project Surveyor	41	21	Professional Surveyor & Mapper #LS4756
Brian Kiernan, PSM	Project Surveyor	40	6	Professional Surveyor & Mapper #LS6101
Scott Worack	Project Survey Director	35	20	N/A
Hetty Harmon, AICP	Senior Planner/ Planning Review	39	21	AICP Certified Planner #019199

Please explain the Firm's ability and resources to substitute personnel with equal or higher qualifications than the Key Staff they will substitute for where substitute is required due to attrition, turnover, or a specific request by the Town:

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FORM 9  
KEY STAFF & PROPOSED SUBCONTRACTORS

KEY STAFF

Please complete the following chart with the Firm's proposed Key Staff. If additional space is required, please copy/duplicate this page and attach to this Form. Additional space:  No  
 Yes

Name	Title	Years of Experience	Years with Firm	Licenses/Certifications
Emilyvette DeGaetano, PLA, ISA	Senior Landscape Architect	18	2	Professional Landscape Architect, #LA6667080
Abdias Dalisma, ISA	Landscape Designer	9	< 1	Certified Arborist/International Society of Arboriculture #9295A
Johnny Fung, PE	Structural Engineer	22	8	Professional Engineer #64669
Joseph Losaria, PE	Structural Engineer	22	8	Professional Engineer #66479
Susan Durrance	Environmental Scientist	20	4	N/A
Terry Cartwright	Environmental Scientist	26	6	N/A
Jessica McRory, PE	Geotechnical Engineer	18	14	Professional Engineer #68440

Please explain the Firm's ability and resources to substitute personnel with equal or higher qualifications than the Key Staff they will substitute for where substitute is required due to attrition, turnover, or a specific request by the Town:

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FORM 9  
KEY STAFF & PROPOSED SUBCONTRACTORS

KEY STAFF

Please complete the following chart with the Firm's proposed Key Staff. If additional space is required, please copy/duplicate this page and attach to this Form. Additional space:  No

Name	Title	Years of Experience	Years with Firm	Licenses/Certifications
Kirk Eastman, PE	Geotechnical Engineer	28	4	Professional Engineer #50733
Angela Alba, PE	Geotechnical Engineer	24	8	Professional Engineer #58538
David Keith, PE	Electrical Engineer	7	7	Professional Engineer #85291

Please explain the Firm's ability and resources to substitute personnel with equal or higher qualifications than the Key Staff they will substitute for where substitute is required due to attrition, turnover, or a specific request by the Town:

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Please identify each Key Staff member's engagement commitments that will exist concurrently with the Town's Services:

Key Staff Name	Area of Responsibility	Client	Commitment (Hours/week)	Period of Engagement
Craig Fuller	Project Manager	Lakeland	10 hrs/week	1.5 years
Mark Frederick	Project Manager	Sebring	15 hrs/week	4 years
John Howle	None -----			
Kenneth Glass	Contract Manager	FDOT D1 & Turnpike	20 hrs/week	3 years

PROPOSED SUBCONTRACTORS

The undersigned Respondent hereby designates, as follows, all major subcontractors whom they propose to utilize for the major areas of work for the services. The bidder is further notified that all subcontractors 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. Failure to furnish this information shall be grounds for rejection of the bidder's proposal. (If no subcontractors are proposed, state "None" on first line below.)

Subcontractor Name & Address	Scope of Work	License Number
Patel, Greene & Associates	- Landscape Architecture - Environmental Support - Structural Engineering	29562
AREHNA Engineering	Geotechnical Engineering	28410
MES Group	Electrical Engineering	8304

Firm: CivilSurv Design Group, Inc.

Authorized Signature:  Date: 11/17/2022

Print or Type Name: Craig R. Fuller, PE Title: President

FORM 10

REFERENCES

REFERENCE #1

Public Entity Name: City of Indian Rocks Beach

Reference Contact Person/Title/Department: Dean Scharmen, Public Services

Director, Public Works Department

Contact Number & Email 727-595-6889

dscharmen@irbcity.com

Public Entity Size/Number of Residents/Square Mileage: \_\_\_\_\_

Number of residents: 4,286 square mileage: 1.89mi

Event(s) Completed (include Name of Project/Event, Date of Event Start/Completion,

Details on Size/Scope of Work/Complexity) CivilSurv has served Indian Rocks Beach for General Engineering Services consistently since 1998. Projects include: 27th Avenue Stormwater Improvements and Habitat Restoration, 1st Street Roadway Improvements, Lift Station #2 and Force Main Upgrade, Gulf Boulevard Pedestrian Islands, Gulf Boulevard Gravity Sewer Improvements, City-wide Storm Sewer Replacement Program, Update Water Supply Work Plan, Prepare EAR based Comprehensive Plan Amendments, Update Land Development Regulations, Planning and Engineering development reviews, Shoreline Stabilization, and their SWFWMD Grant Application. All timelines and deadlines have been met for the City.

Is the Contract still Active? Yes x No \_\_\_\_\_

REFERENCE #2

Public Entity Name: Highlands County

Reference Contact Person/Title/Department: JD Langford, PE, Assistant County Engineer, Engineering Department

Contact Number & Email 863-402-6877  
jlangford@highlandsfl.gov

Public Entity Size/Number of Residents/Square Mileage: \_\_\_\_\_  
Number of residents: 103,296 square mileage: 1,106

Event(s) Completed (include Name of Project/Event, Date of Event Start/Completion,

Details on Size/Scope of Work/Complexity) \_\_\_\_\_

Memorial Drive Multi-Use Path project involves the design of 1.4-miles of a new 8-foot-wide multi-use trail within the existing Memorial Drive right of way. The multi-use trail connects with an existing multi-use trail at Pompano Drive and existing sidewalk at Sebring Parkway. The drainage system design concept for the project involved the utilization of existing drainage infrastructure, where possible. This innovative approach required the use of multiple typical cross sections throughout the project and resulted in significant reductions to the overall project costs. The project was performed under a Local Agency Program (LAP) project agreement between the Florida Department of Transportation and Highlands County. NPDES Phase II MS4 FDEP Permit Compliance Management project consists of CivilSurv preparing a complete National Pollution Discharge Elimination System (NPDES) Phase II Notice of Intent (NOI) filing for Highlands County and the Cities of Sebring and Avon Park. The purpose of the filing was to obtain approval from the Florida Department of Environmental Protection (FDEP) to utilize the Generic Permit for discharges of stormwater from each Municipal Separate Storm Sewer System (MS4). Further, CivilSurv provided Annual Reports for Years 1-5 of Cycle 1, Annual Report for Cycle 2, prepared and attended the audits, and prepared the NOI for Cycles 1 and 2. 2014-2022 (presently) still working on Memorial Drive.

Is the Contract still Active? Yes x No \_\_\_\_\_

2014-2022 (presently)

REFERENCE #3

Public Entity Name: City of Sebring

Reference Contact Person/Title/Department: Scott Noethlich, City Administrator

Administration Department

Contact Number & Email 863-471-5100

scottnoethlich@mysebring.com

Public Entity Size/Number of Residents/Square Mileage: \_\_\_\_\_

Number of residents: 10,777 square mileage: 16.44mi

Event(s) Completed (include Name of Project/Event, Date of Event Start/Completion,

Details on Size/Scope of Work/Complexity) Design of Stormwater, Water, Wastewater, Design of Stormwater, Water, Wastewater, CEI, Roadway, and Surveying. Review of Engineering Designs. Master Utilities Plan, 2.35 MGD Expansion of the Cemetery Road WWTP, 3-mile US 27 Corridor expansion of Water/WW System, Master Lift Station Rehabilitation, WWTP Automated Line Feeder System, Effluent Disposal Ponds Expansion, Dinner Lake Northern Loop Water System, Cemetery Road Water Line, Lift Station Auxiliary Power Disaster System, Acquisition Analysis and Design Service for small private systems take-over by city of Sebring, I & I Studies and Design, Reuse Master Plan, USDA/Rd Grant/ Loan Applications and Management, US 27 Wastewater Force Main Relocation. All timelines have been met for Sebring. 1988-2022 (presently).

Is the Contract still Active? Yes  No



**FORM 11  
E-VERIFY AFFIDAVIT**

In accordance with Section 448.095, Florida Statutes, Kenneth City, Florida requires all contractors doing business with the Town to register with and use the E-Verify system to verify the work authorization status of all newly hired employees. The County will not enter into a contract unless each party to the contract registers with and uses the E-Verify system.

**The respondent Firm must provide of its proof of enrollment in E-Verify.** For instructions on how to provide proof of the Firm's participation/enrollment in E-Verify, please visit: <https://www.e-verify.gov/faq/how-do-i-provide-proof-of-my-participationenrollment-in-e-verify>

By submitting a response to this RFQ and signing below, the respondent Firm acknowledges that it has read Section 448.095, Florida Statutes and will comply with the E-Verify requirements imposed by it, including but not limited to obtaining E-Verify affidavits from subcontractors.

Check here to confirm proof of enrollment in E-Verify has been submitted as part of the response.

Signed, sealed and delivered by:

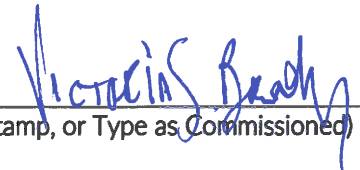
 \_\_\_\_\_ Print Name: Craig R. Fuller, PE

Title: President Firm: CivilSurv Design Group, Inc.

**ACKNOWLEDGMENT**

State of Florida  
County of POLK

The foregoing instrument was acknowledged before me by means of \_\_\_\_\_ physical presence or \_\_\_ online notarization, this 17th day of November, 20 22, by Craig R. Fuller, PE  
(name of person) as President (type of authority) for CivilSurv Design Group (name of party on behalf of whom instrument is executed).

  
\_\_\_\_\_  
Notary Public (Print, Stamp, or Type as Commissioned)

- Personally known to me; or
- \_\_\_\_\_ Produced identification (Type of Identification: \_\_\_\_\_)
- Did take an oath; or
- \_\_\_\_\_ Did not take an oath



**Victoria S. Brady**  
**Comm. # GG366565**  
**Expires: August 15, 2023**  
**Bonded Thru Aaron Notary**

FORM 12  
IRS FORM W-9

Please visit the following link for information about IRS Form W-9:

<https://www.irs.gov/forms-pubs/about-form-w-9>

Please complete and submit with the proposal IRS Form W-9, which may be found online by visiting:

<https://www.irs.gov/pub/irs-pdf/fw9.pdf>

Check here to confirm IRS Form W-9 has been submitted as part of the response.

Firm: CivilSurv Design Group, Inc.

Authorized Signature:  Date: 11/17/2022

Print or Type Name: Craig R. Fuller, PE Title: President



Form <b>W-9</b> (Rev. January 2005) Department of the Treasury Internal Revenue Service	<b>Request for Taxpayer                  Identification Number and Certification</b>	Give form to the requester. Do not send to the IRS.	
Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return) <b>CivilSurv Design Group, Inc.</b>		
	Business name, if different from above		
	Check appropriate box: <input type="checkbox"/> Individual/Sole proprietor <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Other		
	Address (number, street, and apt. or suite no.) <b>2525 Drane Field Road, Suite 7</b>	Requester's name and address (optional)	
	City, state, and ZIP code <b>Lakeland, FL 33811</b>	List account number(s) here (optional)	

**Part I Taxpayer Identification Number (TIN)**

Enter your TIN in the appropriate box. The TIN provided must match the name given on Line 1 to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN* on page 3.

Social security number									
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20px; height: 20px; border: 1px solid black;"></td> <td style="width:20px; height: 20px; border: 1px solid black;"></td> <td style="width:20px; height: 20px; border: 1px solid black;"></td> <td style="width:20px; height: 20px; border: 1px solid black;"></td> <td style="width:20px; height: 20px; border: 1px solid black;"></td> <td style="width:20px; height: 20px; border: 1px solid black;"></td> <td style="width:20px; height: 20px; border: 1px solid black;"></td> <td style="width:20px; height: 20px; border: 1px solid black;"></td> </tr> </table>									
or									
Employer identification number									
<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:20px; height: 20px; border: 1px solid black; text-align: center;">2</td> <td style="width:20px; height: 20px; border: 1px solid black; text-align: center;">7</td> <td style="width:20px; height: 20px; border: 1px solid black; text-align: center;">1</td> <td style="width:20px; height: 20px; border: 1px solid black; text-align: center;">8</td> <td style="width:20px; height: 20px; border: 1px solid black; text-align: center;">1</td> <td style="width:20px; height: 20px; border: 1px solid black; text-align: center;">6</td> <td style="width:20px; height: 20px; border: 1px solid black; text-align: center;">2</td> <td style="width:20px; height: 20px; border: 1px solid black; text-align: center;">0</td> <td style="width:20px; height: 20px; border: 1px solid black; text-align: center;">1</td> </tr> </table>	2	7	1	8	1	6	2	0	1
2	7	1	8	1	6	2	0	1	

**Note.** If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.

**Part II Certification**

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and
3. I am a U.S. person (including a U.S. resident alien).

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the Certification, but you must provide your correct TIN. (See the instructions on page 4.)

Sign Here	Signature of U.S. person	Date <b>11/17/2022</b>
-----------	--------------------------	------------------------

**Purpose of Form**

A person who is required to file an information return with the IRS, must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

**U.S. person.** Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding,
- or
3. Claim exemption from backup withholding if you are a U.S. exempt payee.

**Note.** If a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

For federal tax purposes you are considered a person if you are:

- An individual who is a citizen or resident of the United States,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States, or

• Any estate (other than a foreign estate) or trust. See Regulations sections 301.7701-6(a) and 7(a) for additional information.

**Foreign person.** If you are a foreign person, do not use Form W-9. Instead, use the appropriate Form W-8 (see Publication 515, Withholding of Tax on Nonresident Aliens and Foreign Entities).

**Nonresident alien who becomes a resident alien.**

Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the recipient has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items:

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.



**CERTIFICATE OF LIABILITY INSURANCE**

DATE (MM/DD/YYYY)  
11/7/2022

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).

<b>PRODUCER</b> Heacock Insurance Group, LLC 100 E Main St Lakeland FL 33801		<b>CONTACT NAME:</b> Tami Troyer <b>PHONE (A/C, No, Ext):</b> 863-683-2228 <b>FAX (A/C, No):</b> 863-683-3309 <b>E-MAIL ADDRESS:</b> ttroyer@heacock.com	
		<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A: Landmark American Insurance Co	<b>NAIC #</b> 33138
<b>INSURED</b> CivilSurv Design Group, Inc. 2525 Drane Field Road, Ste 7 Lakeland FL 33811		CIVIDES-01 INSURER B: Travelers Property Casualty Co of Florida INSURER C: Travelers Casualty & Surety	10647 19038
		INSURER D:	
		INSURER E:	
		INSURER F:	

**COVERAGES**      **CERTIFICATE NUMBER:** 1323555413      **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
B	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:	Y	Y	6807H35081A	2/27/2022	2/27/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
B	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y		BA4R383261	2/27/2022	2/27/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 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 \$ 10,000	Y		CUP5F95257A	2/27/2022	2/27/2023	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	UB0K247374	2/27/2022	2/27/2023	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Professional Liability			LHR794768	2/27/2022	2/27/2023	Per Claim/Aggregate
B	Crime			6807H35081A	2/27/2022	2/27/2023	Retention 10,000 Crime 100,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

<b>CERTIFICATE HOLDER</b>  Town of Kenneth City 6000 54th Ave N Kenneth City FL 33709	<b>CANCELLATION</b>  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 
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ACORD 25 (2016/03)

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FORM 16

**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 KENNETH CITY, FLORIDA

by: Craig R. Fuller, PE, President  
*(print individual's name and title)*

for: CivilSurv Design Group, Inc.  
*(print name of entity submitting sworn statement)*

whose business address is: 2525 Drane Feild Road, Suite 7 | Lakeland, FL 33811

and (if applicable) its Federal Employer Identification Number (FEIN) is: 27-1816201  
*(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: \_\_\_\_\_-\_\_\_\_\_-\_\_\_\_\_.)*

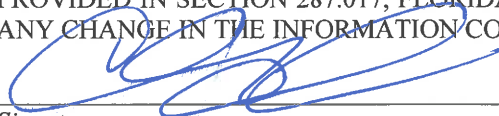
2. I understand that a “public entity crime” as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any 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 misrepresentations.
3. I understand that “convicted” or “conviction” as defined in Paragraph 287.133(1) (b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication 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 predecessor or successor of a person convicted of a public entity crime; or
  - 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 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 person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 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 or 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, and 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 relations 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 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 vendor list (attach a copy of the final order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER 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.

  
\_\_\_\_\_  
Signature

Sworn to and subscribed before me this 17th day November, 2022.

Personally known   
OR  
Produced identification  
\_\_\_\_\_  
Type of identification

Notary Public – State of Florida My  
commission expires: 8/15/2023

  
\_\_\_\_\_  
Printed, typed or stamped commissioned name of notary public



FORM 17

AMERICANS WITH DISABILITIES ACT DISABILITY NONDISCRIMINATION STATEMENT

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS.

This sworn statement is submitted to the TOWN OF KENNETH CITY, FLORIDA

by: Craig R. Fuller, PE, President (print individual's name and title)

for: CivilSurv Design Group, Inc. (print name of entity submitting sworn statement)

whose business address is: 2525 Drane Feild Road, Suite 7 | Lakeland, FL 33811

and (if applicable) its Federal Employer Identification Number (FEIN) is: 27-1816201

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement: )

I, being duly first sworn state:

That the above-named firm, corporation or organization is in compliance with and agreed to continue to comply with, and assure that any subcontractor, or third-party contractor under this project complies with all applicable requirements of the following laws, including, but not limited to, those provisions pertaining to employment, provision of programs and services, transportation, communications, access to facilities, renovations, and new construction:

The American with Disabilities Act of 1990 (ADA), Pub. L. 101-336, 104 Stat 327, 42 USC 1210112213 and 47 USC Sections 225 and 661 including Title I, Employment; Title II, Public Services; Title III, Public Accommodations and Services Operated by Private entities; Title IV, Telecommunications; and Title V, Miscellaneous Provisions; The Florida Americans with Disabilities Accessibility Implementation Act of 1993, Section 553.501-553.513, Florida Statutes; The Rehabilitation Act of 1973, 229 USC Section 794; The Federal Transit Act, as amended 49 USC Section 1612; and The Fair Housing Act as amended 42 USC Section 3601-3631.

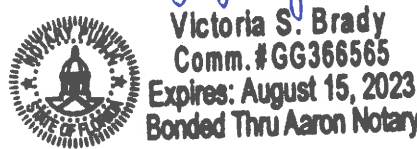
Signature (handwritten signature)

Sworn to and subscribed before me this 17th day November, 2022.

Personally known x OR Produced identification Type of identification

Notary Public - State of Florida My commission expires: 8/15/2023

Printed, typed or stamped commissioned name of notary public (Victoria S. Brady)



FORM 18

**CERTIFICATION REGARDING DEBARMENT, SUSPENSION, AND OTHER  
RESPONSIBILITY MATTERS PRIMARY COVERED TRANSACTIONS**

This certification is required by the regulations implementing Executive Order 12549, Debarment and Suspension, 13 CFR Part 145. The regulations were published as Part VII of the May 26, 1988 *Federal Register* (pages 19160-19211). Copies of the regulations are available from local offices of the U.S. Small Business Administration.

- (1) The prospective primary participant certifies to the best of its knowledge and belief that it and its principals:
  - (a) Are not presently debarred, suspended, proposed for disbarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
  - (b) Have not within a three-year period preceding this application been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
  - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State, or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
  - (d) Have not within a three-year period preceding this application had one or more public transactions (Federal, State, or local) terminated for cause or default.
  
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective primary participant shall attach an explanation to this Statement of Qualifications.

Business Name: CivilSurv Design Group, Inc.

Date: 11/17/2022

By:   
Signature of Authorized Representative

Craig R. Fuller, PE, President  
Name and Title of Authorized Representative





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