

PROFESSIONAL DESIGN SERVICES FOR THE PLACIDA FISHING PIER AND APPROACH



Submitted to:

**Charlotte County
Purchasing Division**

18500 Murdock Circle, Suite 344
Port Charlotte, FL 33948-1094

Submitted by:

Giffels-Webster Engineers, Inc

900 Pine Street, Suite 225
Englewood, FL 34223

Ph. (941) 475-7981

Contact: Dennis J. Croyle, P.E.

Email: dcroyle@gwefl.com

June 16, 2025

GWE: 2025.30

CHARLOTTE COUNTY - RFP NO. 20250470
DESIGN PLACIDA FISHING PIER AND APPROACH

TABLE OF CONTENTS

EVALUATION CRITERIA SECTIONS	PAGES
SECTION I: TEAM PROPOSED FOR THIS PROJECT • RESUMES	2
SECTION II: PROPOSED MANAGEMENT PLAN	2
SECTION III: PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR THIS PROJECT	5
SECTION IV: PROJECT CONTROL	4
SECTION V: PRESENT PROPOSED DESIGN APPROACH FOR THIS PROJECT	6
SECTION VI: PRESENT EXAMPLES OF RECENTLY ACCOMPLISHED SIMILAR PROJECTS	4
SECTION VII: DESCRIBE YOUR EXPERIENCE AND CAPABILITIES IN THE FOLLOWING AREAS	3
SECTIONS VIII - XI: • VIII - VOLUME OF WORK • IX - LOCATION • X - LITIGATION • XI - MINORITY BUSINESS	1
SECTION XII: REQUIRED COUNTY FORMS	N/A
TOTAL PAGES	27

June 16, 2025

REF: 2025.30

Rhiannon Mills, Senior Contract Specialist – Purchasing
Charlotte County Administration Center
18500 Murdock Circle, Suite 344
Port Charlotte, FL 33948-1094

RE: RFP# 20250470, DESIGN PLACIDA FISHING PIER AND APPROACH

Giffels-Webster Engineers, Inc. (GWE) is pleased to submit our proposal for professional engineering services, including design, permitting, and construction oversight for the demolition and complete replacement of the Placida Fishing Pier, bulkhead, and approach.

GWE is well qualified for this project, having extensive experience delivering marine and coastal infrastructure projects throughout Charlotte County and Southwest Florida. While we have not previously designed the Placida Fishing Pier, our team is highly familiar with regional site conditions, permitting agencies, and construction standards that apply to projects of this nature.

Our team is committed to delivering a resilient, constructible design that meets Federal, State, and Local requirements while enhancing the long-term functionality and appearance of the pier.

We understand the importance of the **Placida Fishing Pier** as a community landmark and recreational amenity. Our approach will prioritize safety, usability, and environmental stewardship, while minimizing disruptions and providing exceptional long-term value for Charlotte County residents and visitors.

As called for in the RFP, I certify that this proposal has been prepared without collusion with any other person or entity submitting a proposal pursuant to this RFP. I further confirm that I, **Dennis Croyle, P.E.**, as Vice President and authorized officer of Giffels-Webster Engineers, Inc., am empowered to make representations on behalf of the firm.

In accordance with the RFP requirements, our proposal has been submitted electronically via the designated portal.

We appreciate the opportunity to continue our partnership with Charlotte County on this important project. It would be a privilege to apply our knowledge and experience to exceed your expectations once again.

Sincerely,
Giffels-Webster Engineers, Inc.

A handwritten signature in blue ink, appearing to read 'D Croyle', is positioned above the printed name of the signatory.

Dennis Croyle, P.E., Vice President

SECTION I:
TEAM PROPOSED FOR THIS PROJECT

DESIGN PLACIDA FISHING PIER AND APPROACH

SECTION I: PROPOSED TEAM

A. Background of the personnel

The proposed team includes **GWE** for all design, permitting, and construction-phase services, supported by subconsultants for surveying and environmental tasks as needed. We understand project constraints, public concerns, and are familiar with County personnel. Pursuant to **RP-25C**, **Mr. Dennis Croyle** (Project Manager and Lead Designer) will not be substituted without County approval.

1. Project Management

Jonathan H. Cole, P.E., Principal-in-Charge

Mr. Cole has over 40 years of municipal engineering experience, including service as Charlotte County Engineer, and will serve as Principal-in-Charge for this project. He is a licensed Professional Engineer in five states and holds a B.S. in Civil Engineering from the University of Connecticut.

- 25+ years as Principal-in-Charge for large-scale infrastructure projects
- Extensive experience in master planning, design, and contract administration
- Serve as an expert witness for civil and utility projects

His longstanding leadership and local knowledge make him uniquely qualified to oversee this project.

Dennis J. Croyle, P.E., Principal, Project Manager / Lead Designer

Mr. Croyle is a licensed Professional Engineer with over 10 years of experience in civil design and construction oversight. As Vice President of GWE, he will serve as the Project Manager and Engineer of Record (Lead Designer) for this project.

He has led the design of numerous seawalls, docks, walkways, and coastal structures throughout Florida, including key Charlotte County projects such as the El Jobean Pier, Lister Park Seawall Replacement, Port Charlotte Beach Boarding Piers, and T-Dock Replacement. His experience also includes work for Hillsborough County, Martin County, Sarasota County, Englewood Water District, and others.

Mr. Croyle's strong command of federal, state, and local permitting, combined with his practical construction knowledge, ensures designs are both compliant and constructible. His leadership has consistently resulted in projects delivered on time, within budget, and with minimal environmental impact. He is known for his clear communication, attention to detail, and commitment to quality—qualities that make him a trusted partner on high-visibility public projects.

Pursuant to RP-25D, a reference list for Mr. Croyle, the lead designer, follows:

Eco Marine Solutions (Marine Contractor)	Mitch Smith	941-661-1028	Miscellaneous Seawall Projects
Creative Marine Construction (Marine Contractor)	Brice Flower	941-468-7115	Miscellaneous Seawall & Dock Projects
Char. Co. Community Services	Lacey Solomon; Note Jennifer Henderson was the Former PM	941-613-3238	Lister Park Seawall Replacement
Char. Co. Community Services	Lonne Moore	941-613-3237	Port Charlotte Beach T-Dock Replacement

2. Other Key Personnel

Mr. Cole and Mr. Croyle will be supported by the following staff with all design work at our Englewood office:

Kendra Kotlarski, PE, Designer

Mrs. Kendra Kotlarski holds a Bachelor of Science in Civil and Environmental Engineering from Florida Gulf Coast University and recently earned her Professional Engineer (P.E.) license. Kendra has developed strong expertise in regulatory permitting, particularly with agencies such as SWFWMD, FDEP, and USACE. Her experience includes navigating the environmental permitting processes, ensuring compliance with Federal, State, and Local regulations.

Kevin E. Furniss, Senior Designer

Mr. Furniss has been with Giffels-Webster Engineers, Inc. (GWE) for 34 years. Kevin is responsible for plan production, complex design, conflict detailing, and drafting, and has decades of experience in design projects. Kevin's attention to detail, coupled with his vast experience with design, is a real asset to both GWE and our clients.

Thomas L. Shaw, Structural Designer

Mr. Shaw has over 35 years of experience in designing and building residential and light commercial projects in Southwest Florida. As a licensed contractor, he is experienced in all phases of building design and construction. Mr. Shaw will assist with the development of structural plans and provide QA/QC to ensure that the design meets all applicable requirements and building codes.

Field Inspection Team

- Jeff Cornish, Charlie Whippo, and Al Kuni will oversee construction compliance and coordinate closely with County staff and contractors to ensure timely, within-specification delivery. Their diligence is essential to construction-phase success.

3. Consultants (If needed)

SURVEY – Meridian Group of South Florida, Inc.

Joseph E. Trott, P.S.M., Project Manager/Principal

Mr. Trott is a Florida licensed surveyor with over 45 years of experience. His firm offers boundary, topographic, right-of-way, mean high water, and hydrographic surveys, as well as construction stakeout and as-builts.

ENVIRONMENTAL – Suncoast Eco Services

Jennifer Krajcir, Project Manager/Principal

Ms. Krajcir is an environmental specialist focused on upland and coastal habitats in Southwest Florida. She provides protected species assessments, permit support, and mitigation planning for state and federal approvals.

B. Resumes

The resumes of key team members can be found on the following pages.

RESUMES

Jonathan H. Cole, P.E.



POSITION:

President/Principal-In-Charge

EDUCATION:

University of Connecticut
Storrs, CT

B.S., Civil Engineering (1979)

YEARS OF EXPERIENCE: 40

LICENSURE/CERTIFICATIONS:

- ♦ P.E. #36384, Florida
- ♦ P.E. #0013198, Connecticut
- ♦ P.E. #06872, New Hampshire
- ♦ P.E. #E-17024, Nebraska
- ♦ P.E. #27320, Kansas
- ♦ FL Advanced Traffic Control
- ♦ FDEP Stormwater Erosion and Sediment Inspector

GWE
Giffels-Webster
Engineers, Inc.

900 Pine Street, Suite 225
Englewood, FL 34223
Phone: 941-475-7981
Email: jcole@gwefl.com

Mr. Cole is a licensed Professional Engineer with over 36 years of experience in civil engineering, including site development, coastal infrastructure, and public parks projects. He is President of Giffels-Webster Engineers, Inc., and formerly served as County Engineer for Charlotte County, Florida.

His extensive background includes work on public access facilities, marine structures, storm-damaged infrastructure, and federally-funded recovery projects. Mr. Cole provides strategic oversight and technical leadership across all phases of design and construction, with emphasis on:

- Boardwalks, piers, and shoreline improvements
- Public park and access amenity design
- Construction oversight and contract administration
- Coastal permitting and agency coordination (FDEP, USACE)
- FEMA disaster recovery documentation and compliance
- Environmental impact mitigation and resilient design Integration

Mr. Cole has managed projects involving causeways, waterfront structures, and ADA-compliant pathways. He excels at guiding teams through regulatory approvals, public agency collaboration, and successful delivery of durable, community-facing infrastructure.

Representative Project Experience:

Mr. Cole has served as Engineer-of-Record or Principal-in-Charge on numerous public infrastructure projects involving coastal access, marine structures, and recreational park improvements, including:

- Ponce de Leon Fishing Pier and Boardwalk – City of Punta Gorda
- Charlotte Harbor Fishing Pier – Engineer of Record while with another firm
- Coral Creek Bridge Emergency Sidewalk Repair – Charlotte County
- Hathaway Park Dock and Boat Launch – Charlotte County
- Laishley Park Marina Finger Piers – City of Punta Gorda
- Ainger Creek Boat Ramp and Parking Expansion – Charlotte County
- El Jobean Boat Ramp and Parking Improvements – Charlotte County
- South Gulf Cove Boat Ramp Park Expansion – Charlotte County

These projects reflect Mr. Cole's deep experience with waterfront construction, resilient public access features, and compliance with local, state, and federal permitting requirements.

Dennis J. Croyle, P.E.



POSITION:

Project Engineer

EDUCATION:

University of Florida

Gainesville, FL

B.S., Civil Engineering (2011)

YEARS OF EXPERIENCE: 13

LICENSURE/CERTIFICATIONS:

- ♦ P.E. #82287, Florida
- ♦ FL Advanced Traffic Control
- ♦ FDEP Stormwater Erosion and Sediment Inspector

GWE
Giffels-Webster
Engineers, Inc.

900 Pine Street, Suite 225
Englewood, FL 34223
Phone: 941-475-7981
Email: dcroyle@gwefl.com

Mr. Croyle is a licensed Professional Engineer with over 10 years of experience in civil engineering and construction management. With a background in both design and field construction, he provides practical, buildable solutions for coastal infrastructure, public parks, and storm-resilient access facilities.

He earned his Bachelor of Science in Civil Engineering from the University of Florida in 2011 and has served as Project Manager and Engineer-of-Record on a wide range of public sector projects throughout Florida. Mr. Croyle leads the design, permitting, and construction coordination for projects involving:

- Boardwalks, docks, and boat ramps
- Seawalls, revetments, and shoreline stabilization
- Pedestrian and ADA-access improvements in parks and rights-of-way
- Storm-damaged infrastructure repair

He works closely with local governments and regulatory agencies to deliver code-compliant, community-oriented solutions that balance resilience, cost-efficiency, and aesthetics.

Representative Project Experience:

- Port Charlotte Beach Park Boarding Dock Replacement – Charlotte County
- Lister Park Seawall Replacement – Charlotte County
- Spring Lake Boardwalks and Drainage Improvements – Charlotte County
- Sidewalk and Pedestrian Projects – Charlotte County Public Works
- Various Sewer Expansion Projects – Charlotte County Utilities

Mr. Croyle will serve as Engineer of Record for design, permitting, and construction support—bringing a history of on-time, on-budget delivery of coastal and public access improvements for Charlotte County.

Kendra Kotlarski, P.E.



POSITION:

Designer

EDUCATION:

Florida Gulf Coast University
Fort Myers, FL
B.S., Civil and Environmental
Engineering (2020)

YEARS OF EXPERIENCE: 4

LICENSURE/CERTIFICATIONS:

- ◆ P.E. #101039
- ◆ Sunshine 811 Ticket Trained

GWE
Giffels-Webster
Engineers, Inc.

900 Pine Street, Suite 225
Englewood, FL 34223
Phone: 941-475-7981
Email: kkotlarski@gwefl.com

Ms. Kendra Kotlarski holds a Bachelor of Science in Civil and Environmental Engineering from Florida Gulf Coast University and is a licensed Professional Engineer in the State of Florida.

She has developed strong expertise in regulatory permitting, particularly with agencies such as SWFWMD, FDEP, and USACE. Her experience includes coordinating environmental and utility permitting processes, preparing supporting documentation, and ensuring full compliance with Federal, State, and Local regulations throughout the design and construction phases of public infrastructure projects.

At Giffels-Webster Engineers, she is involved in site design, permitting, specification development, plan preparation, and construction-phase services. She is proficient in AutoCAD, permit package assembly, and technical coordination with reviewing agencies. Her background also includes field review support, shop drawing review, and quantity takeoff development.

Representative Permitting & Utility Project Experience:

- Ackerman–Countryman Phase 2, Charlotte County Utilities
- Port Salerno / New Monrovia Vacuum Sewer Design, Martin County Utilities
- Ruskin and Wimauma Septic-to-Sewer Program, Hillsborough County
- Charlotte Park Septic-to-Sewer Project, City of Punta Gorda
- Bay Indies Utility Relocations (Phases 1 and 2), City of Venice
- Multiple ERP and FDEP Permits – Including wastewater collection/transmission and stormwater management systems

Kevin E. Furniss



POSITION:

Senior Designer

YEARS OF EXPERIENCE: 36

LICENSURE/CERTIFICATIONS:

- ◆ Certified Technician Level III

GWE
Giffels-Webster
Engineers, Inc.

900 Pine Street, Suite 225
Englewood, FL 34223
Phone: 941-475-7981
Email: kfurniss@gwefl.com

Mr. Kevin Furniss has been with Giffels-Webster Engineers, Inc. (GWE) since 1989 and serves as the firm's lead civil designer for infrastructure, park, and coastal improvement projects. A 1986 graduate of Lemon Bay High School in Englewood, he has completed extensive coursework in drafting, computer-aided design, blueprint reading, and architectural graphics through State College of Florida and Charlotte Technical College.

Mr. Furniss brings over 35 years of experience in civil design, plan preparation, and construction documentation. His responsibilities include:

- Leading the layout and drafting of site, roadway, drainage, and utility plans
- Preparing construction and permitting drawing sets
- Developing record drawings
- Supporting construction through field verification and coordination
- Ensuring code compliance and clarity in all design deliverables

He is proficient in AutoCAD Civil 3D and is known for producing consistent, high-quality plans for public sector projects throughout Southwest Florida.

Representative Project Experience – Charlotte County:

- Port Charlotte Beach Park Boarding Docks
- Lister Park Seawall Replacement
- Sheehan Boulevard Sidewalk Improvements
- Midway Boulevard Phase II – Roadway, drainage, and utility improvements
- Placida Road Improvements – Civil plan production and utility coordination
- Burnt Store Road Improvements – Including ACOE permitting support
- East/West Spring Lake Wastewater Expansion – Utility layout and site design
- Various County Sidewalk and ADA Projects – Grading, drainage, and public access enhancements

Thomas L. Shaw



POSITION:

Senior Structural Designer

YEARS OF EXPERIENCE: 46

LICENSURE/CERTIFICATIONS:

- ◆ Certified Plans Examiner
- ◆ Certified Inspector
- ◆ Certified Building Contractor

GWE
Giffels-Webster
Engineers, Inc.

900 Pine Street, Suite 225
Englewood, FL 34223
Phone: 941-475-7981
Email: tshaw@gwefl.com

Mr. Thomas Shaw brings over 33 years of experience in residential, commercial, and public infrastructure design and construction in Southwest Florida. A licensed contractor with certifications as a Building Inspector, Coastal Construction Inspector, Plans Examiner, and One- and Two-Family Dwelling Inspector, he offers a comprehensive understanding of building systems and construction code compliance.

Prior to joining Giffels-Webster Engineers, Inc. in 2000, Mr. Shaw worked for Charlotte and Sarasota Counties as a Certified Plans Examiner, where he gained extensive knowledge of permitting processes and Florida Building Code enforcement. His experience reviewing construction documents and coordinating with agency staff enhances the firm's ability to deliver code-compliant, permit-ready designs.

At GWE, Mr. Shaw serves as a project manager and senior designer, responsible for:

- Code analysis and Florida Building Code compliance
- Client coordination and construction administration
- Design of coastal, utility, and municipal infrastructure
- Plan development for permitting and construction
- Oversight of structural and architectural detailing in support of community facilities

He maintains multiple certifications and regularly completes CEUs and specialized technical coursework to stay current with building code updates, high-wind construction standards, and emerging design practices.

Relevant Project Experience:

- Ponce de Leon Fishing Pier and Boardwalk, City of Punta Gorda
- Coral Creek Bridge Emergency Sidewalk Repair, Charlotte County
- Hathaway Park Dock and Boat Launch, Charlotte County
- Laishley Park Marina Finger Piers, City of Punta Gorda
- Ainger Creek Boat Ramp and Parking Expansion, Charlotte County
- El Jobean Boat Ramp and Parking Improvements, Charlotte County
- South Gulf Cove Boat Ramp Park Expansion, Charlotte County
- Lister Park Seawall Replacement, Charlotte County
- Port Charlotte Beach Park Boarding Docks, Charlotte County

SECTION II:
PROPOSED MANAGEMENT PLAN

DESIGN PLACIDA FISHING PIER AND APPROACH

SECTION II: PROPOSED MANAGEMENT PLAN

A. Team Organization

GWE has developed a structured, collaborative management approach to guide this project through all phases—from initial site investigation to final construction observation. Our team is comprised of experienced engineers, inspectors, and specialists familiar with Charlotte County procedures, standards, and personnel.



1. Site Analysis/Permitting Phase

Led by **Dennis Croyle, P.E.** and **Kendra Kotlarski, P.E.**, this phase includes:

- Reviewing existing site conditions, available surveys, GIS, and utility data
- Conducting topographic and environmental data collection (via subconsultants)
- Assessing jurisdictional requirements, including ERP exemption eligibility, SPGP coverage, and DRC review (if applicable)

Ms. Kotlarski will lead the permitting efforts, coordinating with FDEP, USACE, and County DRC staff to ensure timely submittals and regulatory compliance.

2. Schematic Design Phase

Led by **Dennis Croyle, P.E.**, with design support from **Kevin E. Furniss** (site layout) and **Thomas L. Shaw** (structural design), this phase includes:

- Developing conceptual layouts and structural alternatives
- Reviewing accessibility, user needs, and long-term maintenance goals
- Coordinating internal reviews and early agency input
- Vetting all concepts with County staff prior to advancing to design development

3. Design Development Phase

Led by **Dennis Croyle, P.E.**, with support from **Kendra Kotlarski, P.E.**, and contributions from **Kevin E. Furniss** (site layout) and **Thomas L. Shaw** (structural design), this phase includes:

- Finalizing layout, materials, structural framing, and ADA features
- Coordinating closely with permitting agencies
- Developing early cost estimates and addressing constructability constraints
- Conducting formal design reviews at the 60%, 90%, and 100% milestones

4. Construction Document Phase

Led by **Dennis Croyle, P.E.**, with support from **Kendra Kotlarski, P.E.**, **Kevin E. Furniss**, and **Thomas L. Shaw**, this phase includes:

- Completing final detailing of all structural and shoreline elements
- Developing specifications and incorporating permitting conditions
- Delivering AutoCAD files and digital plans
- Conducting internal QA/QC reviews across all disciplines
- Submitting a final Engineer's Opinion of Probable Construction Cost

5. Construction Observation Phase

Construction-phase services will be overseen by **Dennis Croyle, P.E.** and **GWE's field inspection team**. Responsibilities include:

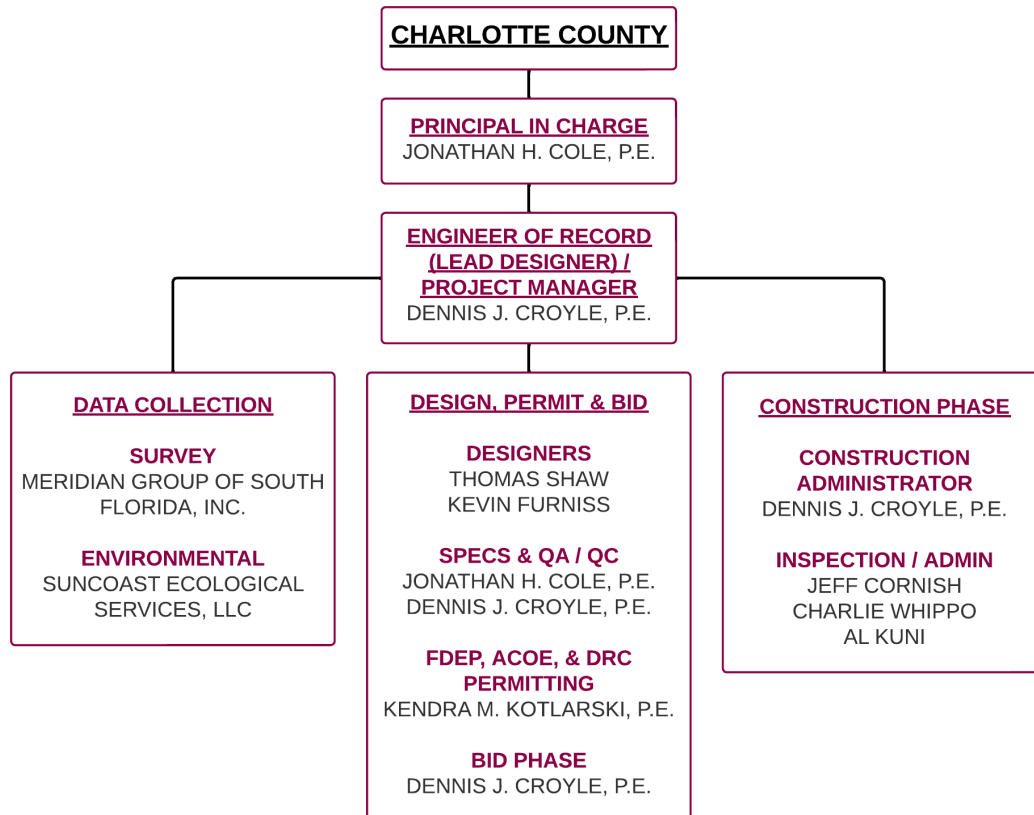
- Reviewing submittals and shop drawings
- Responding to RFIs and attending construction meetings
- Conducting site visits and preparing field reports
- Coordinating final walkthroughs, punch lists, and certification
- FEMA funding oversight, GWE will assist with documentation, reporting, and compliance verification throughout construction.

GWE's inspection staff will work closely with County personnel and the contractor to ensure compliance with the approved plans and timely resolution of field issues.

B. Roles and Responsibilities of Participants

The GWE team is led by veteran principals who will oversee and actively monitor both the design and construction phases, ensuring continuity, accountability, and the expertise necessary for successful project delivery. **Jonathan H. Cole, P.E.**, serving as Principal in Charge, and **Dennis J. Croyle, P.E.**, as Lead Designer and Project Manager, will remain dedicated to this project for its duration and will not be substituted without the express permission of Charlotte County.

Our team consists of local, highly skilled professionals with deep experience in managing all phases of marine and coastal infrastructure projects. The organizational chart below outlines the leadership structure and management approach that GWE will implement to guide Charlotte County through each phase of the **Placida Fishing Pier and Approach** project.



SECTION III:
PREVIOUS EXPERIENCE OF TEAM PROPOSED
FOR THIS PROJECT

SECTION III: PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR THIS PROJECT

A. Relevant work history with public/government facilities and CM method.

Public/Government Facilities Projects

Our team has extensive experience with public/government facilities. Throughout our careers, we have successfully completed several projects for multiple public/government facilities providing us with a deep understanding of the unique challenges that come with public projects.

Examples of recent facilities projects we have worked on include:

1. Charlotte County, Florida Work Order #314, File #2024000330 Ollie's Pond Observation Pier Design
 - a. Professional Fees: ~\$30,000 (March 2024)
2. Charlotte County, Florida Work Order 308, File #2024000253 Design Walking Paths – South Gulf Cove Park & Carmalita Park
 - a. Professional Fees: ~\$75,000 (January 2024)
3. Charlotte County, Florida Work Order #161, Port Charlotte Beach Inspection
 - a. Professional Fees: \$67,000 (May 2021)
4. Charlotte County, Florida Work Order #181, Lister Park Seawall Replacement
 - a. Professional Fees: \$38,000 (August 2021)
5. Charlotte County, Florida Work Order #171, CEI Services – Baffle Remediation Inspection
 - a. Professional Fees: \$89,779 (April 2023)

CM Method Experience

We are actively coordinating with and assisting one of our clients in utilizing this growingly popular approach, the Construction Manager (CM) method. We are currently using the CM at risk or CMAR delivery method on two large projects for Hillsborough County, the Ruskin and Wimauma Septic to Sewer and Low-Pressure Sewer Conversion project and a smaller project for the Englewood Water District, the V1 pump station rehabilitation project in Englewood.

1. Hillsborough County Septic to Sewer Projects

Giffels-Webster Engineers (GWE) is actively supporting clients in leveraging the increasingly popular Construction Manager (CM) method to enhance project delivery. We are currently utilizing the Construction Manager at Risk (CMAR) approach on two major projects for Hillsborough County, the Ruskin and Wimauma Septic-to-Sewer and Low-Pressure Sewer Conversion Project—as well as on the V1 Pump Station Rehabilitation Project for the Englewood Water District.

This large-scale initiative involves the design and construction of two vacuum sewer collection areas. To optimize the CMAR process, GWE developed detailed **phasing plans** for each collection area, breaking the project into manageable **work packages**. Each package includes technical specifications, special conditions, quantity take-offs, and corresponding plan sets.

Our team continuously coordinates with the Construction Manager to develop subsequent phases, allowing construction activities to commence while design efforts are still underway. This phased delivery strategy streamlines workflow, reduces delays, and accelerates schedule, all project schedule—maximizing efficiency and providing substantial time savings for the County.

2. Englewood Water District: Pump Station Rehab Project

This project involved the design and construction of a pump station rehabilitation at one of Sarasota County's first vacuum station pump buildings. Leveraging the Construction Manager at Risk (CMAR) delivery method, we worked in close collaboration with the contractor throughout both the design and construction phases. To optimize the CMAR process, GWE developed detailed phasing plans for each component of the building, including individual work packages covering structural, mechanical, and electrical systems. These packages incorporated comprehensive technical specifications, special conditions, material quantities, and construction plans.

This phased approach facilitated early contractor involvement, integrating their expertise to enhance efficiency and proactively address potential challenges—minimizing delays and streamlining execution. The cost-plus structure provided additional advantages, such as transparent cost accounting, flexibility to accommodate design modifications and unforeseen conditions, assurance of high-quality materials and workmanship, and effective risk management through real-time cost adjustments.

Through strong collaboration and meticulous planning, the project achieved a successful and efficient rehabilitation of this critical infrastructure asset.

B. Relevant work history with Marine/Seawall/Civil, Coastal, Engineering and Structural projects.

The GWE team brings decades of experience delivering marine, coastal, structural, and civil infrastructure projects across Southwest Florida. Our personnel specialize in the design, rehabilitation, and construction support of piers, seawalls, docks, revetments, boardwalks, and shoreline stabilization structures for public sector clients—particularly Charlotte County.

Our project experience spans both saltwater and freshwater environments and includes work on:

- **Fishing piers**
- **Boat ramps and docks**
- **Concrete and vinyl seawalls**
- **Boardwalks and park access**
- **Shoreline erosion protection**
- **ADA-compliant waterfront infrastructure**

Representative Charlotte County Projects:

- El Jobean Fishing Pier Rehabilitation
- Port Charlotte Beach Boarding Pier and T-Dock Replacement
- Lister Park Seawall
- Spring Lake Boardwalks and Park Improvements
- El Jobean Boat Ramp and Parking Improvements
- Hathaway Park Dock and Boat Launch
- South Gulf Cove Boat Ramp Park Expansion
- Ainger Creek Boat Ramp Parking Expansion

Beyond Charlotte County, GWE has designed over **150 marine docks and seawall systems** like those at **Wannabe Inn (formerly Weston's Resort)** and **Gasparilla Marina**.

Our success lies in our ability to integrate **structural design** and **regulatory permitting** into cohesive, buildable solutions—ensuring safe, sustainable, and maintainable marine infrastructure.

The following pages feature photos and highlights from relevant pier and marine projects completed for Charlotte County and other clients.



PC Beach Boarding Piers



Spring Lake Park Improvements



Ainaer Creek Expansion



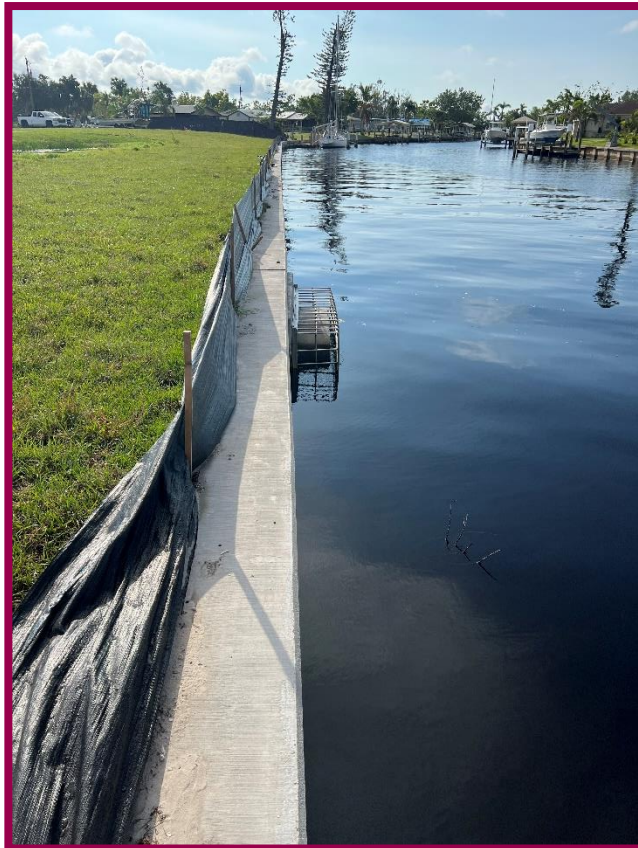
Spring Lake Park Improvements



El Jobean Boat Ramp



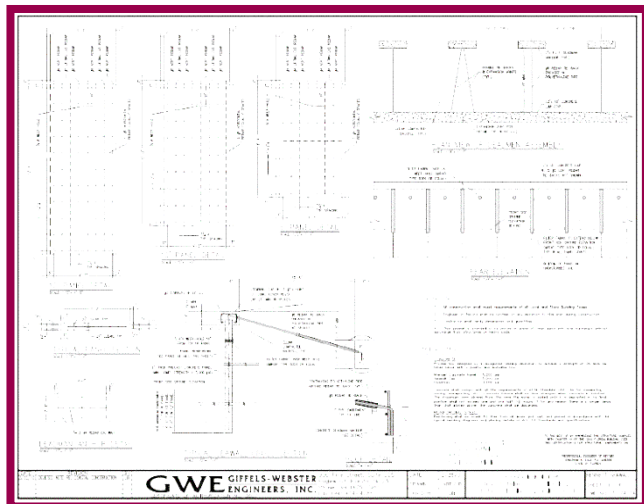
El Jobean Fishing Pier



Lister Park Seawall



PC Beach Boarding Pier



Private Seawall Design & Construction



C. Permitting experience with coastal regulatory agencies.

Our firm has extensive experience in navigating the regulatory requirements set by coastal regulatory agencies, including the FDEP and the US Army Corps of Engineers. We are well-positioned to deliver successful coastal development projects that balance environmental conservation with our client's needs. Our expertise and established relationships with key agency personnel ensure compliance with environmental/biological impact assessments, mitigation measures, and state and federal laws, resulting in timely and compliant projects. Recent projects include:

1. Charlotte County Community Development – Lister Park Seawall Replacement (May 2023) and Port Charlotte Beach Boarding Pier replacement (2020)
2. Charlotte County Utilities
 - a. Cape Haze Force Main Coral Creek Crossing (December 2017)
 - b. Countryman Waterway Crossing (December 2022)
 - c. Melbourne Waterway Crossing (April 2023)
3. Englewood Water District - Kettle Harbor Waterway Crossing (March 2021)

D. Design within a fixed project budget.

Our team has a proven ability to design within fixed project budgets, meeting project requirements while staying within budget constraints.

1. Charlotte County, City of Punta Gorda, Tee & Green Water Main Improvements
 - a. Professional Fees: \$44,000 (June 2020)
2. Charlotte County, Willmington Sidewalk Design
 - a. Professional Fees: \$73,000 (April 2023)
3. Charlotte County, Englewood Water District Beach Road Force Main
 - a. Professional Fees: \$99,400 (September 2021)
4. Sarasota County Midnight Pass 10" and 16" Water Main
 - a. Professional Fees: \$150,000 (June 2020)
5. Martin County, Port Salerno New Monrovia Vacuum Sewer Design
 - a. Professional Fees: \$1,089,555 (December 2022)
6. Martin County, Golden Gate Construction, Engineering, and Inspection (CEI)
 - a. Professional Fees: \$778,980.00 (March 2023)

SECTION IV:
PROJECT CONTROL

SECTION IV: PROJECT CONTROL

A. Schedule

1. What techniques are planned to assure that schedule will be met?

GWE recognizes that delays in project schedules can cause significant impacts to Charlotte County and its residents, particularly when critical community assets like the **Placida Fishing Pier** are involved. Timely completion is essential to restoring public access, minimizing disruptions, and meeting FEMA disaster recovery objectives. To ensure adherence to the project schedule, GWE will implement the following techniques:

- **Development of a Detailed Schedule:**
In compliance with RP-21, GWE will develop, maintain, and update a CPM schedule throughout the design phase. This detailed schedule will outline all tasks, dependencies, and milestones necessary to achieve **100% construction document issuance within 120 calendar days** from contract execution.
- **Utilization of Project Management Software:**
We will leverage tools such as **Microsoft Project** (if necessary) to monitor progress in real time, manage task sequencing, and forecast potential delays. This allows for proactive adjustments before issues impact critical deadlines.
- **Regular Coordination and Progress Reporting:**
Consistent communication with Charlotte County will be maintained through scheduled coordination meetings and formal progress updates. This ensures transparency, quick decision-making, and alignment with project goals.
- **Clear Roles and Accountability:**
All team members will have clearly defined responsibilities tied directly to schedule milestones, ensuring focused execution and efficient task management.
- **Regulatory Permitting Strategy:**
We understand that agency review timelines can impact schedules, particularly during the **Site Analysis/Permitting Phase**. GWE's permitting specialists will engage early with regulatory agencies (e.g., FDEP, USACE, SWFWMD) to anticipate review durations and streamline submittals, minimizing potential delays. Given that this project involves the **replacement only**, GWE anticipates a more streamlined permitting process. Specifically, we will pursue verification under the **FDEP exemption** provisions applicable to the repair or replacement of existing structures, in accordance with Chapter 62-330, F.A.C. This approach minimizes regulatory hurdles by confirming that the work qualifies as exempt from Environmental Resource Permitting (ERP) requirements.
For federal authorization, we will seek coverage under the **U.S. Army Corps of Engineers (USACE) State Programmatic General Permit (SPGP)**, which is designed to expedite permitting for activities like this within Florida when they meet specific conditions. Based on our familiarity with similar projects and previous coordination with both FDEP and USACE, we expect this process to focus on verification rather than full permit applications, significantly reducing review times.
Our team's experience with marine infrastructure replacements—combined with established relationships with regulatory agencies—positions us to efficiently navigate this process. Early engagement and precise documentation will ensure timely receipt of exemption verifications and SPGP coverage, keeping the project aligned with the proposed schedule.

- **Contingency Planning:**

Recognizing the potential for unforeseen challenges, GWE will integrate contingency measures within the schedule to mitigate risks and maintain momentum.

The subsequent **construction phase** will be supported through active coordination with the County and contractors to ensure completion within the specified **270 calendar days** from the notice to proceed. Our experience with similar marine projects equips us to manage both design and construction timelines effectively.

By applying these techniques, GWE is confident in delivering this project within the defined schedule, while maintaining high standards of quality and compliance.

2. Proposed Design Schedule

Task Name	Duration	Start	Finish
Contract Execution & Kickoff	5 days	08/01/2025	08/07/2025
Site Analysis & Data Collection	15 days	08/08/2025	08/22/2025
Schematic Design	20 days	08/23/2025	09/20/2025
Design Development	25 days	09/21/2025	10/14/2025
Permitting Submittals	10 days	10/15/2025	10/28/2025
Regulatory Review Period	30 days	10/28/2025	11/1/2025
Construction Documents	20 days	11/29/2025	12/25/2025
Final Review & QA/QC	10 days	12/26/2025	01/05/2026
100% CD Submission	5 days	01/6/2026	01/11/2026

3. Post-Design Support

Task Name	Duration	Start	Finish
Bid Phase Support	30	02/01/2026	03/01/2026
Construction Observation	270 days	06/01/2026	03/01/2027

4. 2. Who will be responsible to ensure that schedule will be met?

The responsibility for ensuring that the schedule is met lies with the project manager, Mr. Dennis Croyle, as the project manager. Dennis is responsible for overseeing the project and ensuring that it is completed on time and to the required quality standards.

To ensure that the schedule is met, Dennis will work closely with the project team to develop a detailed project plan, set deadlines for each task, and monitor progress against the plan. He will also be responsible for identifying potential issues or delays and taking corrective action as necessary to keep the project on track.

B. Cost

1. What control techniques are planned?

GWE employs a structured and proven approach to cost control, using a combination of planning tools, contractual clarity, and real-time tracking to ensure projects remain within budget.

Design Budget Control:

- **Lump Sum with Defined Scope:**

We recommend a lump sum contract with a clearly defined scope of services. This structure ensures mutual understanding from the start and protects the County by controlling engineering costs tied to in-scope deliverables.

- **Contingency Planning:**

We account for potential scope growth (e.g., drainage or ADA enhancements) by assigning costs to optional tasks in advance. This avoids contract amendments and preserves flexibility without financial surprises.

- **Clear Roles and Accountability:**

Defined roles within our team ensure every member is responsible for their part of the cost structure, minimizing delays and miscommunication that lead to overruns.

Construction Cost Control:

- **Accurate Cost Estimating:**

GWE regularly monitors bid trends from similar projects and adjusts estimates to reflect current market conditions—factoring in material availability, fuel costs, and labor conditions.

- **Detailed, Accurate Plans:**

Our bid documents eliminate ambiguity. We prepare clear construction drawings and precise quantity takeoffs to reduce contractor uncertainty, limit pricing spread, and avoid future change orders.

- **Bid Package Coordination:**

We collaborate with County staff to ensure bid and contract documents are coordinated and complete. This improves contractor confidence, encourages responsible bidding, and reduces potential disputes.

2. Demonstrate ability to meet project cost control.

GWE has a proven track record of delivering marine projects on time and within budget, including multiple projects for Charlotte County under constrained funding. Our cost control success is driven by a combination of structured internal procedures and field-tested strategies, as demonstrated below:

Recent Demonstrated Experience:

- 1. El Jobean Fishing Pier Rehabilitation (Prior Phase):**

GWE previously completed design services for the rehabilitation of this same pier under a strict budget. We delivered complete construction documents and bid support services without the need for contract amendments or budget increases—despite unforeseen field conditions and historical documentation gaps. Cost control was achieved through clear scope definition, timely decisions, and flexible field coordination.

- 2. Lister Park Seawall Replacement:**

GWE successfully completed the design and permitting of this project under budget. Our early coordination with FDEP helped the County avoid unnecessary costs by confirming eligibility boundaries and minimizing rework during construction.

How We Control Costs:

- **Lump Sum Structure + Defined Scope:**

Our scopes are detailed, and our budgets are tied directly to deliverables. When budget is limited, we design accordingly, always distinguishing between base scope and optional items.

- **Real-Time Cost Tracking:**

Internally, we use task-level cost monitoring software to ensure no phase overruns. Project managers meet weekly to review labor use vs. budget and reallocate resources proactively.

- **Permitting Strategy to Avoid Scope Creep:**
For this pier replacement, we anticipate exemption verification from FDEP and SPGP coverage from USACE. These lower-cost regulatory pathways will preserve the budget for design and construction documents.
- **Bid-Ready Documents = Fewer Change Orders:**
Our projects historically receive competitive bids that align with estimates. This is due to detailed construction plans, thorough quantity takeoffs, and pre-bid contractor briefings, which reduce ambiguity and contractor risk pricing.

GWE doesn't just plan for cost control—we deliver it. We bring a history of budget adherence, particularly on Charlotte County's marine infrastructure projects, and we'll bring that same discipline to the Placida Fishing Pier and Approach.

3. Who will be responsible for cost control?

Dennis J. Croyle, P.E., Project Manager, will be directly responsible for cost control. He will oversee the budget, monitor task-level spending, manage subconsultants, and ensure all work stays within the agreed scope. His successful delivery of prior Charlotte County marine projects—on time and within budget—demonstrates his capability in this role.

C. Recent, Current and Projected Workload

GWE's staff have remained consistent for many years, providing the County with a stable, experienced team. With minimal private-sector workload and a manageable municipal workload, we are well-positioned to meet the schedule demands of the Placida Fishing Pier and Approach project.

Key Personnel Availability

Team Member	Current Commitment	Available Capacity
Jonathan H. Cole, P.E.	50%	50%
Dennis J. Croyle, P.E.	60%	40%
Kendra Kotlarski, P.E.	75%	25%
Tom Shaw	50%	50%
Tim Morrow	50%	50%
Kevin Furniss	80%	20%
Inspection Staff	30%	70%

Our team's flexibility and capacity allow us to support the County's 120-day design timeline and follow through with construction oversight as needed. GWE is ready to deliver.

SECTION V:
PRESENT PROPOSED DESIGN APPROACH
FOR THIS PROJECT

SECTION V: PRESENT PROPOSED DESIGN APPROACH FOR THIS PROJECT

A. Describe proposed design methodology, including phased approach.

Design Methodology

The **Placida Fishing Pier Replacement** is a critical public infrastructure project with strong recreational, environmental, and historical significance. This site is a prominent fixture in the community and serves as a destination for residents, anglers, and tourists alike. As such, the design must deliver both structural resilience and an inviting public experience.

As with all GWE projects, we will collaborate closely with **Charlotte County Community Services**, the anticipated facility operator and stakeholder. Our team will engage with County staff to ensure that the pier's reconstruction meets long-term operational goals while enhancing public enjoyment. We will evaluate maintenance requirements, constructability, and user accessibility. Our team is also committed to integrating storm resiliency and ADA compliance throughout the design, ensuring the new structure is durable, accessible, and aligned with community values.

Our objective is to support Charlotte County in delivering a pier that exceeds expectations—providing an improved recreational space that honors the legacy of the original structure.

Proposed Work Plan

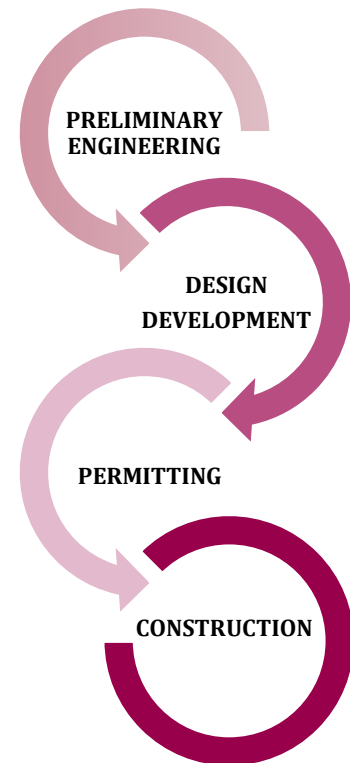
Our approach emphasizes **team coordination**, flexibility, and responsiveness. Conditions discovered during design can change assumptions—our team is prepared to adapt and integrate new findings into the design without delay or compromise. Our methodology is closely tied to the work plan and schedule, as outlined below:

Data Collection & Site Analysis

GWE will begin by reviewing all available background materials, including existing design files previously prepared for the pier, historical surveys, utility data, and environmental reports. Any missing or outdated data will be addressed early by releasing subconsultants for new field work. Early site reconnaissance minimizes unforeseen conflicts and supports accurate preliminary design.

Survey

Surveying will begin immediately. This task is critical to pier alignment, foundation design, and integration with the existing approach. Any horizontal or vertical controls used previously will be tied in, ensuring continuity with historical conditions.



Geotechnical

NRCS data indicates the site is located in urban land with low relief, which we anticipate will pose no extraordinary geotechnical challenges.

Environmental

Environmental fieldwork will include evaluations for protected species, aquatic habitat, and shoreline stability. Given the marine setting, attention will be given to the potential presence of **smalltooth sawfish**, submerged aquatic vegetation, and essential fish habitat. Findings will be integrated early into the design to avoid project delays or redesign.

Cultural/Archaeological

GWE can provide cultural resource assessments, if necessary. A desktop review and consultation with SHPO may be appropriate depending on permitting feedback. Should significant resources be identified, we are equipped to assist with coordination and avoidance strategies.

Zoning DRC (Development Review Committee)

Piers are generally allowed, but most times, especially when located in a commercial area, a review is required. Normally, piers are an appurtenance to a site plan and a specific site plan for just a fishing pier is typically unnecessary, especially for just a replacement of an existing facility. However, if this does need to go through the DRC process, we are very familiar with the process having been through DRCs on numerous projects throughout the decades.

Permitting

Because this project involves replacement of an existing pier, we anticipate the permitting process will be limited to FDEP exemption verification and USACE SPGP coverage. GWE has extensive experience securing such verifications. This process is faster than full ERP or federal permit applications and is suitable given the scope of work and structure replacement in the same footprint. Our early coordination with FDEP and the Corps will help validate this path, saving the County both time and resources.

Structural Design – Pier

The pier will be designed using durable, storm-resilient materials appropriate for saltwater conditions. Wood piles, composite decking, and stainless or hot-dipped galvanized hardware will be considered for longevity and minimal maintenance. Pier width, railing height, and decking configuration will be designed in accordance with ADA requirements and public safety considerations. The adjoining revetment and bulkhead will be evaluated and designed for erosion control and approach stability, especially considering storm surge and tidal action in the Myakka River estuary.

Preliminary Design Plans

Following data collection and site analysis, preliminary plans will be produced, including alignment, profile views, and structural sections. A technical memorandum will summarize findings and provide recommendations on pier dimensions, structural system, and materials. These plans will be used to refine cost estimates and guide the permitting and construction document phases.

Final Design

Final plans will include detailed drawings for pile installation, decking, railings, revetment tie-ins, ADA paths, lighting (if included), and erosion control improvements. A Best Management Practices (BMP) plan will address erosion and turbidity control during construction. All plans will be sealed and ready for bidding and permit compliance.

A detailed engineer's estimate of probable cost and a complete bid package—including technical specifications and quantity takeoffs—will be provided for incorporation into the County's contract documents.

Construction Management

We have a full staff of field inspectors and construction administrators. We also typically review shop drawings and respond to questions during the construction process that come up from time to time.

We normally provide:

- Progress meetings attendance and preparation of condensed minute summaries
- Coordination of, and transmittal of, shop drawings to the Design Engineer for review and approval
- Evaluate the quantity and quality of work as it progresses, and issues relative to contractor claims
- Review and recommend the contractor's monthly applications for payment
- Inspection services to monitor and observe the quantity of material installed
- Provide a Construction Administrator to coordinate the field inspection
- Field Observation Reports
- Record Drawings

FEMA Compliance

As a federally funded disaster recovery project, all design and construction activities will be conducted in compliance with FEMA Public Assistance Program requirements, including Environmental and Historic Preservation (EHP) review protocols and applicable 2 CFR Part 200 provisions.

During the design phase, GWE will:

- Prepare documentation to support FEMA's EHP review, including site plans, material descriptions, and environmental assessments as required.
- Integrate hazard mitigation and resiliency measures into the boardwalk and walkover design, consistent with FEMA funding expectations.
- Ensure design work remains within the approved scope of work and footprint to avoid triggering a revised FEMA review.

During construction, GWE will:

- Monitor field activities for compliance with FEMA-eligible scope and methods.
- Document progress, material changes, and field conditions in a manner consistent with FEMA audit requirements.
- Support the County with any required EHP updates, closeout documentation, or site inspections related to the federal funding source.

Our experience on federally funded projects ensures we will support Charlotte County in maintaining full compliance with all applicable FEMA and federal procurement standards from design through construction closeout.

B. What problems do you anticipate and how do you propose to solve them?

Several challenges are anticipated during the design and construction of the Placida Fishing Pier and Approach project. GWE's proactive approach identifies these issues early and outlines solutions to mitigate risks and maintain project success:

Problem #1 – Permitting and Regulatory Coordination

Although the project qualifies as a replacement of an existing pier, permitting still requires careful navigation. While we anticipate eligibility for **FDEP exemption verification** and **USACE SPGP coverage**, unexpected agency requests or environmental findings could arise.

Solution:

GWE will engage FDEP and USACE early in the design process to confirm the exemption path. Our familiarity with these agencies and their expectations enables us to preemptively address potential concerns, avoiding unnecessary delays.

Problem #2– Maintaining ADA Compliance

The new pier and approach must meet ADA accessibility standards, including ramp slopes, guardrail height, and surface materials.

Solution:

GWE will fully integrate ADA design into all phases, including careful grading of the upland approach, decking selection, handrail design, and clear width requirements. ADA compliance will be reviewed continuously through design and construction phases.

Problem #3 – Construction Access and Material Delivery Challenges

Working over water presents logistical challenges for material staging, access, and removal of the existing damaged structure without impacting adjacent infrastructure or environmental resources.

Solution:

GWE will coordinate closely with contractors during bid document preparation to specify safe staging, demolition, and construction methods. Use of barges or temporary work platforms will be anticipated if necessary, and construction sequencing will be outlined to minimize disruptions.

Problem #4 – Community Expectations

The Placida Fishing Pier is a beloved community asset. It's been closed for nearly a year now. Disruptions to public access or extended construction schedules could create frustration among residents.

Solution:

GWE will work with Charlotte County to develop clear construction phasing and public communication strategies. Advanced notice of closures, posted timelines, and informational signage can help set realistic expectations and maintain public support.

Problem #5 – Unknown Condition of Trestle Substructure

It is currently unclear whether the existing **railroad trestle supports** are structurally viable. While a cursory inspection was performed for FEMA, no formal structural evaluation has been completed.

Solution:

GWE will initiate the project with a comprehensive structural assessment of the trestle to determine reuse potential. Where structurally feasible, we will preserve and reinforce the existing elements using crutch bents or targeted repairs, minimizing cost and construction time while aligning with FEMA's reimbursement framework.

Problem #6 – Lack of Original Design Documents

No original design or load calculations exist for the pier's current structure, limiting baseline engineering data and increasing reliance on field verification.

Solution:

GWE will rely on prior repair plans, available County records, and new field surveys to develop a safe, code-compliant design. We will perform a design-from-scratch approach guided by site conditions and existing construction methods, supported by field measurements and materials sampling.

Problem #7 – Clarifying Scope Across Multiple Components

The RFP includes the pier, bulkhead, approach, asphalt walkway, and revetment, but the extent of repair vs. replacement for each is not clearly defined. There is also uncertainty around inclusion of south pier demolition.

Solution:

At project initiation, GWE will work with the County to confirm the limits and nature of work for each element—pier, bulkhead, revetment, and approach. We will assume complete replacement of the north pier and include optional bid items or alternates for south pier demolition, if directed. This clarity will guide accurate design, permitting, cost estimating, and FEMA alignment from the start.

Problem #8 – FEMA Documentation Requirements

While the County has already submitted an initial FEMA claim, full reimbursement will likely depend on thorough documentation and justification of design decisions.

Solution:

GWE will structure all evaluations, design reports, and construction recommendations to align with FEMA documentation standards. This includes providing the County with sealed structural assessments, damage reports, and cost breakdowns suitable for FEMA Environmental and Historic Preservation (EHP) review and audit processes.

Problem #9 – Structural Integrity of Existing Pier Substructure

The fishing pier is built atop a former railroad trestle, and the structural condition of that substructure is largely undocumented. A FEMA inspection was performed, but no comprehensive structural evaluation exists.

Solution:

GWE will begin with a detailed structural assessment of all substructure elements. Where feasible, structurally sound components may be preserved or reinforced with methods such as crutch bents. If reuse is not viable, full replacement will be recommended, with documentation structured to meet FEMA EHP and reimbursement standards.

Problem #10 – Wave Loading and Storm Resiliency

The pier's exposure to open water leaves it vulnerable to wave action, especially during storm events.

Solution:

We will evaluate site-specific wind and wave forces and integrate resilient design features such as deeper embedment depths, composite decking, stainless steel connections, and breakaway components where applicable. Structural systems will be designed for code-based coastal loads and FEMA mitigation best practices.

Problem #11 – Durability of Superstructure Materials in Marine Environment

Frequent wet-dry cycling, salt spray, and UV exposure degrade conventional materials used in pier decking, framing, and fasteners.

Solution:

GWE will specify proven, durable materials suitable for marine exposure. This may include composite decking, fiberglass-reinforced handrails, and marine-grade stainless or coated hardware. Material selection will balance long-term performance, availability, and FEMA cost reasonableness criteria.

Problem #12 – Pier Geometry and ADA Compliance

Meeting ADA standards on a linear pier with grade changes, transitions to ramps, and handrail height continuity poses challenges.

Solution:

Our design will include consistent slopes, compliant landings, and continuous guardrails and handrails meeting ADA and FBC accessibility codes. Approach transitions will be smoothed and coordinated with upland grading for seamless access.

Problem #13 – Demolition of Damaged Components Without Impacting Trestle or Environment

Selective demolition of the pier must be done with precision to avoid damaging any reusable trestle structure or releasing debris into the aquatic environment.

Solution:

Bid documents will define controlled demolition sequences and specify environmental protection measures. If necessary, work will be staged from barges or temporary platforms to isolate demolition from sensitive areas and to protect the trestle's remaining integrity.

Problem #14 – Aligning FEMA Scope with Pier Replacement Strategy

Pier replacement must align with FEMA’s approved damage scope and mitigation strategies to remain eligible for funding.

Solution:

GWE will structure design decisions, documentation, and cost breakdowns to align with FEMA’s cost reasonableness and environmental review requirements. Options that incorporate hazard mitigation (e.g., stronger framing, better materials) will be clearly justified in alignment with the eligible scope.

Problem #15 – Public Safety and Use During Construction

Community curiosity and access around the pier site may increase safety risks and interference during construction.

Solution:

We will coordinate with the County to include clear signage, secure fencing, and construction zone isolation in the plans. Where needed, temporary observation areas or informational displays may be considered to maintain public engagement without compromising safety.

Problem #16 – Long-Term Maintenance Considerations for the County

Piers require ongoing maintenance; poor design decisions now can create cost burdens later.

Solution:

Our design will incorporate lessons learned from previous County pier projects, including avoiding high-maintenance features and ensuring easy access for inspection and repair. Material selection, structural detailing, and connections will be tailored for lifecycle value and durability.

C. Describe innovative approaches in programming and design.

GWE recognizes that the Placida Fishing Pier is more than just infrastructure—it is a vital recreational and community asset. Our design approach integrates innovation, durability, and user experience to ensure the pier’s long-term success.

1. Resilient Design Above Standards

Given the coastal exposure and risk of severe weather, GWE proposes designing the pier to exceed minimum code requirements for structural loads, wave forces, and storm surge resiliency. Potential measures include:

- Use of corrosion-resistant materials such as composite decking, stainless steel hardware, and high-performance vinyl piling wrapping.
- Oversized structural members where feasible to enhance durability against extreme events.

These enhancements will extend the pier’s service life and reduce long-term maintenance costs.

2. User-Centered Design for Public Enjoyment

Understanding that the pier serves a wide variety of users—fishermen, sightseers, and families—our design will prioritize accessibility, comfort, and experience. Innovative features may include:

- Integrated ADA-accessible fishing guard rails at different elevations.
- Benches, educational signage about the river ecology or history, and improved lighting for extended safe use into the evening.

This approach enhances the pier’s role as a community gathering space, not just a fishing structure.

SECTION VI:
PRESENT EXAMPLES OF RECENTLY
ACCOMPLISHED SIMILAR PROJECTS

SECTION VI: PRESENT EXAMPLES OF RECENTLY ACCOMPLISHED SIMILAR PROJECTS

A. Describe the Projects to Demonstrate

Giffels-Webster Engineers, Inc. (GWE) has completed numerous marine and shoreline infrastructure projects for **Charlotte County**, ranging from piers and docks to seawalls and boardwalks. The following examples highlight our ability to manage public waterfront projects with a strong emphasis on schedule adherence, cost control, constructability, and responsive field coordination. **All projects listed below were completed for Charlotte County.**

1. El Jobean Fishing Pier Rehabilitation (Work Order #111)

Client: Charlotte County

Location: El Jobean

Status: Completed

Scope: Structural evaluation and rehabilitation design for a historic fishing pier over the Myakka River.

a. **Schedule and Cost Control:**

GWE evaluated multiple repair options early, ultimately recommending full replacement of deteriorated piles to minimize construction risks and avoid cost overruns. This proactive strategy helped the County avoid inflated repair costs and potential change orders.

b. **Construction Problems and Solutions:**

On-site adjustments were required to accommodate ADA-compliant fishing guardrail drop-downs and to modify framing to suit as-built conditions. GWE coordinated closely with the contractor to resolve these issues in the field without impacting schedule.

c. **Design-Related Cost Issues:**

None. Adjustments were made during design to reduce long-term maintenance and simplify construction, leading to an efficient and constructible solution.

d. **Seawall Component:**

While not a seawall project, the pier included shoreline tie-in elements and elevation adjustments at the landward approach, ensuring ADA access and structural integration with adjacent revetment.



2. Lister Park Seawall Replacement (Work Order #181)

Client: Charlotte County

Location: 4301 Lister Street, Port Charlotte, FL

Status: Completed

Scope: Design, permitting assistance, surveying, and construction support for the replacement of approximately 125 linear feet of concrete seawall and associated improvements, including outfall realignment.

a. Schedule and Cost Control

GWE delivered the design and permitting support services on time and within budget. A $\pm 10\%$ final engineer's opinion of probable construction cost was developed, and the project proceeded on schedule through bidding and construction.

b. Construction Problems and Solutions

The project required close coordination with an existing lift station and a permitted stormwater facility. To construct the new outfall pipe without disturbing the existing stormwater system, GWE revised alignment and permitting strategies to avoid regulatory complications and minimize utility conflicts.

c. Design Deficiency Impacts

There were no construction change orders due to design deficiencies. Adjustments were made proactively during design and coordination phases to resolve potential field issues before bidding.

d. Seawall Delivery

The project involved complete replacement of the seawall, including new cap, tiebacks, and toe protection. GWE provided survey, structural design, and permitting services, and confirmed the project qualified for FDEP ERP exemption, expediting project delivery.



3. Port Charlotte Beach Boarding Piers (Work Order #161)

Client: Charlotte County

Location: Port Charlotte Beach Park, 4500 Harbor Blvd, Port Charlotte, FL

Status: Completed

Scope: Inspection, design, permitting, and construction oversight for full replacement of three deteriorated boarding piers serving public boat ramps.

a. Schedule and Cost Control

GWE completed the design, permitting, and bid support on time and within budget. A competitive bid was secured, and the County moved forward with construction on schedule.

b. Construction Problems and Solutions

During installation, deeper-than-expected conditions required a construction change order for longer timber piles. GWE coordinated closely with the County and contractor to validate the change and ensure continued progress without design revision.

c. Design Deficiency Impacts

No construction changes were attributed to design deficiencies. The design was complete and code-compliant, with construction changes resulting solely from unforeseen subsurface conditions.

d. Seawall Delivery

Although not a seawall project, the design included tie-ins to the shoreline and ADA-compliant sidewalk access. GWE confirmed ADA compliance for the piers per Chapter 10 of the ADA Standards and addressed accessibility improvements to the connecting path.



Client: Charlotte County

Status: Completed

Scope: Full design, permitting, bid support, and construction-phase services for the replacement of the fixed timber T-shaped fishing and mooring dock on the Myakka River.

GWE delivered the design and bid documents on schedule and in line with the project budget. The bid price closely aligned with the Engineer's Opinion of Probable Construction Cost. Construction proceeded with only minor adjustments.

No issues were encountered during construction. The project proceeded smoothly with no field modifications required, and construction was completed in accordance with the design plans.

There were no change orders due to design deficiencies. All construction adjustments were related to field conditions, not plan errors or omissions.

The project included direct tie-ins to an existing shoreline concrete seawall. ADA access improvements and elevation coordination were included in the design to ensure safe, compliant transitions between the upland walkway and the fixed pier structure.



SECTION VII:

DESCRIBE YOUR EXPERIENCE AND
CAPABILITIES IN THE FOLLOWING AREAS

DESIGN PLADICA FISHING PIER AND APPROACH

SECTION VII: DESCRIBE YOUR EXPERIENCE AND CAPABILITIES IN THE FOLLOWING AREAS:

A. Value Engineering

While our most notable value engineering example is from a utility project, it directly reflects our approach and commitment to saving costs for Charlotte County. During the El Jobean vacuum sewer project, we supported a contractor's proposal to switch from jack-and-bore to directional drilling—saving the County over \$60,000. GWE mitigated risks by recommending upsized pipe and developing performance testing specifications to ensure proper installation.

Though not pier-specific, this example demonstrates our ability to evaluate alternatives, protect the County's interests, and deliver efficient, cost-effective solutions—an approach we bring to every project, including marine and structural work.

B. Cost Analysis and Control

GWE has extensive experience conducting cost-benefit analysis (CBA) and financial modeling for public infrastructure projects across Florida. While not directly related to pier design, these examples reflect our ability to evaluate complex alternatives, quantify costs, and support decision-making with clear, data-driven recommendations. Our team uses tools such as **Net Present Value (NPV)**, **Benefit-Cost Ratio (BCR)**, and **Return on Investment (ROI)** to guide project planning and prioritization.

Relevant examples include:

- **Martin County Emergency Generator Study** – Assessed long-term capital and operational costs for emergency power at a critical utility site.
- **Bocilla/Little Gasparilla Island Sewer Study** – Compared vacuum and low-pressure sewer systems and analyzed expansion scenarios to evaluate cost impacts.
- **Charlotte County Septic-to-Sewer Projects** – Performed lifecycle and phased cost analyses to aid in selecting appropriate technologies and sequencing.
- **El Jobean Vacuum Sewer** – Evaluated directional drilling alternatives with risk-based cost strategies to save construction dollars.

These examples show how GWE applies rigorous financial evaluation across project types—an approach we also bring to marine and civil infrastructure. For pier projects, we use similar methods to assess material alternatives, foundation types, and long-term maintenance trade-offs to ensure durability and cost-effectiveness.

C. Life Cycle Cost Analysis

Life Cycle Cost Analysis (LCCA) evaluates the total cost of ownership for an asset by combining capital, operating, maintenance, and end-of-life costs—adjusted to present value. This method ensures that the selected alternative is not just the lowest in initial cost, but the most cost-effective over its entire service life.

A basic formula for life cycle cost in present-value terms includes:

$$\text{Total LCC} = \text{Initial Cost} + \text{Replacement} + \text{Energy} + \text{O\&M} + \text{Repairs} + \text{Misc.} - \text{Salvage Value}$$

GWE has applied LCCA in numerous utility infrastructure projects for **Hillsborough County, Martin County, the City of Punta Gorda, and Charlotte County Utilities**—comparing technologies and long-term costs to support sound decision-making. While most examples come from sewer system evaluations, the same principles are directly applicable to **marine structures** such as piers, where long-term material durability, maintenance frequency, and replacement timing greatly affect total cost.

LCCA is a standard part of GWE’s preliminary design approach, supporting both responsible budgeting and long-term asset planning.

D. Environmental Assessment

GWE routinely performs **environmental assessments and permitting** for marine infrastructure projects throughout Southwest Florida. Our team has extensive experience supporting pier, seawall, boardwalk, and shoreline improvement projects with the full range of environmental services necessary to secure permits and maintain regulatory compliance.

Our capabilities include:

- Wetland jurisdictional determinations
- Protected species assessments (including smalltooth sawfish and manatee zones)
- Submerged aquatic vegetation (SAV) surveys
- Design of mitigation and monitoring plans
- Vegetation and exotic removal plans
- Wildlife management plans
- Assembly, submittal, and tracking of FDEP, USACE, and Water Management District permits

We provide **field data collection** and monitoring during both the design and construction phases, including:

- Mitigation compliance monitoring
- Water quality sampling
- Staff gauge and seasonal high-water determinations
- Submerged resource surveys and protected species documentation

Our team has completed hundreds of assessments in both upland and wetland coastal environments. A recent example includes a **protected species assessment** for Charlotte County Utilities as part of the **Lake View Midway project**. For the Placida Fishing Pier project, **Jennifer Krajcir** will serve as the environmental project manager and primary liaison with regulatory agencies, ensuring timely submittals, responsive coordination, and full compliance with permitting requirements.

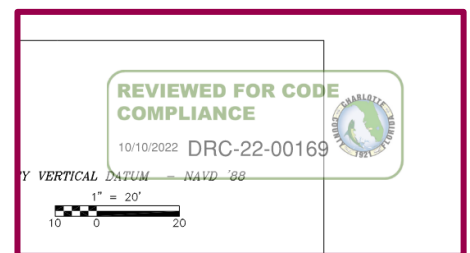
E. Permitting for Charlotte County

GWE has extensive experience serving as a permitting agent for **Charlotte County**, with a strong track record navigating the **Design Review Committee (DRC)** process and obtaining building permits for public infrastructure projects.

A recent example includes the **CCU O’Hara Pump Station**, which was approved through both the **special exception** and **DRC** review. Our familiarity with DRC standards—spanning site layout, accessibility, architectural treatment, and landscaping—allows us to prepare efficient, compliant submittals that meet County expectations.

We also routinely manage **building permit** submittals through the **Charlotte County Building Department**, preparing code-compliant structural plans and working with County staff and contractors to resolve comments quickly and move projects to construction.

For this project, we anticipate that the work will qualify as a **replacement of an existing structure** and may therefore be **exempt from DRC**, significantly streamlining the permitting timeline. GWE will coordinate early with the zoning department to confirm exemptions and ensure all necessary documentation is secured without delay.



Our deep familiarity with local permitting processes ensures a smooth, timely path from design through approval.

F. Specialized Marine/Coastal Experience

At GWE, we specialize in marine engineering services tailored to meet the unique demands of coastal infrastructure. Our team has over **20 years of experience** in marine construction design and inspection, and we've earned a reputation for delivering high-quality, cost-effective solutions, especially throughout **Charlotte County**, where many of our staff reside and maintain long-standing relationships with local officials and stakeholders.

We are intimately familiar with the County's procedures, permitting expectations, and community priorities. This local expertise allows us to navigate projects efficiently, reduce delays, and deliver designs that meet both regulatory and public-use needs.

Our marine engineering experience includes the design and inspection of:

- **Fishing piers**
- **Boat docks**
- **Seawalls**
- **Boardwalks**
- **Shoreline access improvements**
-

We approach every project with a commitment to quality and accountability—consistently completing our work without claims for extras and always striving to exceed client expectations. Our structural engineering team is equipped to evaluate, design, and oversee all components of marine infrastructure with a focus on longevity, safety, and user accessibility.

GWE's trusted track record with Charlotte County is a direct result of our hands-on approach, technical excellence, and dedication to serving the local community.

G. Working on Public and/or Government Facilities and Amenities

GWE has extensive experience working with **government agencies and municipalities across Florida**, including numerous successful projects for **Charlotte County**. Our team understands the unique challenges of delivering public infrastructure—from regulatory coordination and public accountability to budget constraints and schedule sensitivity.

We regularly provide the following services for public facilities and amenities:

- **Engineering Design:**
Design of utilities, parks, public access structures, and civil infrastructure with a focus on functionality, durability, and sustainability.
- **Construction Observation:**
Oversight of construction activities to ensure adherence to design specifications, budget, and schedule—working closely with contractors and County staff throughout the process.
- **Permitting:**
Efficient navigation of local and state permitting processes, ensuring timely approvals for infrastructure, marine, and community projects.
- **Inspection Services:**
On-site inspections and reporting to verify code compliance, safety, and quality throughout construction.

Our long history with public clients—including Charlotte, Hillsborough, and Martin Counties—demonstrates our capability to deliver complex, high-visibility projects with professionalism and efficiency. GWE is committed to maintaining that same level of service for Charlotte County's public infrastructure needs.

SECTIONS VIII - XI:
VOLUME OF WORK, LOCATION,
LITIGATION, MINORITY BUSINESS

SECTION VIII: VOLUME OF WORK

GWE has successfully designed several large and small scale projects for Charlotte County and the total volume of work contracted within the last twenty-four months exceeds \$500,000.00.

SECTION IX: LOCATION

GWE has operated a successful and financially stable engineering business in **Charlotte County, Florida** for over 30 years, providing quality design services throughout the decades to municipalities and private clients.

Our main office has been in Englewood, Florida since 1992, which is less than 10 miles from the project site. This proximity allows us to easily access the project area, meet with stakeholders and government officials, and stay informed about any changes or updates.

Furthermore, our sub-consultants are all local businesses familiar with the site location.

SECTION X: LITIGATION

GWE has not been named as a defendant or co-defendant in any lawsuit in the last five years.

SECTION XI: MINORITY BUSINESS

Giffels-Webster Engineers does not hold a credited MBE/WBE Certification.

REQUIRED FORMS

PART V - SUBMITTAL FORMS
PROPOSAL SUBMITTAL SIGNATURE FORM

1.	Project Team Name and Title	Years experience	City of office individual will work out of for this project	City individual's office is normally located	City of individual's residence
	Jonathan H. Cole, P.E., Principal-in-Charge	40	Englewood	Englewood	Englewood
	Dennis Croyle, P.E., Principal, Project Manager, EOR	13	Englewood	Englewood	Port Charlotte
	Kendra Kotlarski, P.E., Designer	4	Englewood	Englewood	Englewood
	Kevin Furniss, Senior Designer	36	Englewood	Englewood	Englewood
	Thomas Shaw, Structural Designer	46	Englewood	Wisconsin	Wisconsin

2.	Magnitude of Company Operations				
	A) Total professional services fees received within last 24 months:			\$ 5,571,786.00	
	B) Number of similar projects started within last 24 months:			4	
	C) Largest single project to date:			\$ 9.5M	

3.	Magnitude of Charlotte County Projects				
	A) Number of current or scheduled County Projects			8	
	B) Payments received from the County over the past 24 months (based upon executed contracts with the County).			\$ 1,694,460.12	

4.	Sub-Consultant(s) (if applicable)	Location	% of Work to be Provided	Services to be Provided
	Meridan Group of South FL	Port Charlotte	5	Surveying
	Suncoast Eco Services	Port Charlotte	<1	Environmental & Protected Species Assessments

5.	Disclosure of interest or involvement: List below all private sector clients with whom you have an active pending contract and who have an interest within the areas affected by this project. Also, include any properties or interests held by your firm, or officers of your firm, within the areas affected by this project.				
	Firm	Address			
	Phone #	Contact Name			
	Start Date	Ending Date			
	Project Name/Description				

NAME OF FIRM Giffels-Webster Engineers, Inc.

(This form must be completed and returned)

6. Minority Business: The County will consider the firm's status as an MBE or a certified MBE, and also the status of any sub-contractors or sub-consultants proposed to be utilized by the firm, within the evaluation process.	Yes _____ No <u>X</u>
Comments or Additional Information: 	

The undersigned attests to his/her authority to submit this proposal and to bind the firm herein named to perform as per contract, if the firm is awarded the Contract by the County. The undersigned further certifies that he/she has read the Request for Proposal, Terms and Conditions, Insurance Requirements and any other documentation relating to this request and this proposal is submitted with full knowledge and understanding of the requirements and time constraints noted herein.

By signing this form, the proposer hereby declares that this proposal is made without collusion with any other person or entity submitting a proposal pursuant to this RFP.

In accordance with section 287.135, Florida Statutes, the undersigned certifies that the company is not on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and does not have business operations in Cuba or Syria (if applicable) or the Scrutinized Companies that Boycott Israel List, or is not participating in a boycott of Israel.

As Addenda are considered binding as if contained in the original specifications, it is critical that the Consultant acknowledge receipt of same. The submittal may be considered void if receipt of an addendum is not acknowledged.

Addendum No. _____ Dated _____	Addendum No. _____ Dated _____	Addendum No. _____ Dated _____
Addendum No. _____ Dated _____	Addendum No. _____ Dated _____	Addendum No. _____ Dated _____

Type of Organization (please check one):

INDIVIDUAL	☐	PARTNERSHIP	☐
CORPORATION	☒	JOINT VENTURE	☐

<u>Giffels-Webster Engineers, Inc.</u> Firm Name <u>n/a</u> Fictitious or d/b/a Name <u>900 Pine Street, Suite 225</u> Home Office Address <u>Englewood, FL 34223</u> City, State, Zip <u>n/a</u> Address: Office Servicing Charlotte County, other than above <u>Dennis Croyle, P.E., Vice President</u> Name/Title of your Charlotte County Rep. <u>Dennis Croyle, P.E., Vice President</u> Name/Title of Individual Binding Firm (Please Print) Signature of Individual Binding Firm <u>dcroyle@gweffl.com</u> Email Address	<u>941-475-7981</u> Telephone <u>38-2749086</u> Federal Employer Identification Number (FEIN) <u>40</u> Number of Years in Business <u>941-475-7981</u> Telephone <u>6/16/2025</u> Date
---	--

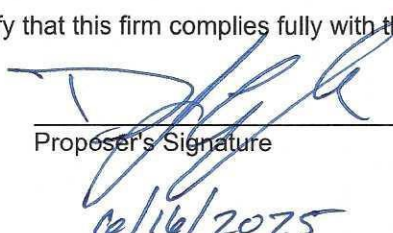
(This form must be completed and returned)

DRUG FREE WORKPLACE FORM

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that Giffels-Webster Engineers, Inc.
does: (name of business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
5. Impose a sanction on or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

As the person authorized to sign the statement, I certify that this firm complies fully with the above requirements.



Proposer's Signature

06/16/2025

Date

NAME OF FIRM Giffels-Webster Engineers, Inc.

(This form must be completed and returned)

HUMAN TRAFFICKING AFFIDAVIT
for Nongovernmental Entities Pursuant To FS. §787.06

Charlotte County Contract #20250470

The undersigned on behalf of the entity listed below, (the "Nongovernmental Entity"), hereby attests under penalty of perjury as follows:

1. I am over the age of 18 and I have personal knowledge of the matters set forth except as otherwise set forth herein.
2. I am an officer or representative of the Nongovernmental Entity and authorized to provide this affidavit on the Company's behalf.
3. Nongovernmental Entity does not use coercion for labor or services as defined in Section 787.06, Florida Statutes.
4. This declaration is made pursuant to Section 92.525, Florida Statutes. I understand that making a false statement in this declaration may subject me to criminal penalties.

Under penalties of perjury, I declare that I have read the foregoing Human Trafficking Affidavit and that the facts stated in it are true.

Further Affiant sayeth naught.



Signature

Dennis Croyle, P.E.

Printed Name

Vice President

Title

n/a
Nongovernmental Entity



Date

END OF PART IV

NAME OF FIRM Giffels-Webster Engineers, Inc.

(This form must be completed and returned)