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Qualifications to Provide

Charlotte County

**DESIGN - BAYSHORE LIVE OAK SHORELINE
RFP No. 20250710 | October 29, 2025**

Cover Letter

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October 29, 2025

Alisa True, Senior Contract Specialist
Charlotte County
18500 Murdock Circle, Suite 344
Port Charlotte, FL 33948

Re: Design - Bayshore Live Oak Shoreline, RFP No. 20250710

Dear Selection Advisory Committee Members:

The Weiler Engineering Corporation (WEC) is pleased to submit our proposal in response to RFP No. 20250710 for the design of **Bayshore Live Oak Shoreline**. As a locally based firm with a long-standing commitment to coastal development, we are uniquely positioned to deliver high-quality, resilient, and cost-effective solutions for this important Charlotte County project.

Our team has proudly served Charlotte County since 1993, with a dedicated focus on in-water and coastal engineering. In 2024, WEC, alongside Johnson Engineering were acquired by Apex Companies, LLC, further expanding our capabilities and resources. This strategic partnership strengthens our ability to provide integrated services, combining local expertise with national reach.

We bring direct, project-specific experience to this effort. We are intimately familiar with Bayshore Live Oak Park as we have recently completed the design and permitting of the seawall replacement including the adjacent retaining walls, walk and stormwater system for the area behind the restroom building near the playground. Our previous work has also included post-storm assessments following Hurricanes Ian, Milton, and Helene.

WEC successfully secured multiple key permits for Phase 1, including:

- ◊ **U.S. Army Corps of Engineers Nationwide Permit 13** - Obtained in 57 calendar days
- ◊ **SWFWMD Environmental Resource Permit Minor Modification** - Obtained in 64 calendar days

With our aggressive strategy for obtaining permits which we will discuss herein, we were able to complete the design and permitting process approximately 4.5 months faster than anticipated at the time of contracting. This is a testament to our dedication to focusing our efforts on our projects throughout the design process. We anticipate similar same permits will need to be needed to complete the remainder of the seawall and retaining wall repair/replacement, the pier replacement, shoreline armoring, adjacent amenities and uplands walkways and our team is ready to expedite the process again, using proven strategies from our recent success.

Why Choose WEC for Live Oak Point Park Phase 2?

- **Local, Project-Specific Design & Permitting Expertise**

WEC has completed dozens of coastal infrastructure projects throughout South Florida, including FEMA-funded boardwalk and pier repairs for Lee County, FDEP, and projects within the cities of Punta Gorda, Islamorada, Marathon, and Key West. The team proposed for this project has a successful track record working together and is based right here in Charlotte County.

- **Specialized Expertise in Seawall & Marine Engineering**

We have extensive experience delivering engineering design, permitting, and construction-phase services for marine projects across Charlotte Harbor. Notably, we recently completed the **Bayshore Live Oak Park Seawall Replacement at the Restroom near the Playground** and **Live Oak Phase 1 Project**, both for Charlotte County.

- **Unmatched Experience with FEMA-Funded Projects**

WEC leads the region in FEMA disaster recovery engineering. From pre-disaster mitigation to damage assessments, funding acquisition, design, and reimbursement assistance, we offer comprehensive expertise across the full FEMA project lifecycle.

- **Resilient Design, Not Just Replacement**

Our approach goes beyond restoring existing conditions - we aim to **build back stronger**. We design with future storm events in mind, leveraging available mitigation funding and our deep understanding of FEMA's resiliency guidelines to enhance long-term performance.

- **Full In-House Capabilities & Immediate Availability**

With in-house survey, structural and marine engineering, landscape architecture, environmental permitting, and electrical design, our team is ready to **start immediately**. The recent completion of several large marine projects in addition to the recent completion of the Design for Bayshore Live Oak Park Seawall at the Restroom near the Playground project allows us to focus fully on this project.

- **Proven Permit Expediting Success**

Our success in obtaining a Nationwide 13 Permit in just **7 days** for Live Oak Phase 1 speaks to our deep understanding of regulatory requirements and agency processes. For the Bayshore Live Oak Seawall project we just completed, we obtained both the Army Corps and SWFWMD permits in approximately 2 months. We bring the same urgency and efficiency to this project.

WEC has conducted multiple site visits since recent storm events and has a detailed understanding of the shoreline stabilization, pier replacement, pedestrian bridge, and upland restoration required. I will personally serve as **Principal-in-Charge and Senior Project Manager**, bringing direct experience from Phase 1 and other marine projects in Charlotte County.

Supporting me is **Ashlie Maberino, PE**, who will continue as **Deputy Project Manager**, as she was on Phase 1. Ashlie played a critical role in permitting and timely project delivery. Our team also includes:

- ◇ **Robin Palmer, PE** - Environmental Engineering and Permitting
- ◇ **Max Morgan, PE** - Structural Engineering
- ◇ **Brian Corso** - Structural Department Manager
- ◇ **Laura Herrero** - Ecology/Environmental
- ◇ **Wayne Wright, PE** - Electrical Engineering

Each of these key staff members are in-house and has worked on many of projects referenced throughout our proposal and will bring that direct experience to this project.

Finally, most of our proposed team works out of our **Punta Gorda corporate office**, providing proximity and responsiveness unmatched by out-of-area firms. At WEC, we believe in a **"boots on the ground"** approach to engineering—design starts in the field, not behind a desk. Our local presence ensures real-time support during design, permitting, and construction.

Thank you for the opportunity to submit our proposal. We are proud of our proven performance on similar projects and confident in our ability to help Charlotte County deliver a successful and resilient Bayshore Live Oak Park.

Sincerely,
THE WEILER ENGINEERING CORPORATION



Michael Giardullo, PE | Principal-in-Charge
The Weiler Engineering Corporation, An Apex Company
201 W. Marion Ave., Punta Gorda, FL 33950
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_____ I. Team Proposed for this Project

A. Background of the Personnel

WEC takes pride in the accuracy of our proposal. The team listed below will help develop the Scope of Work and see the project through from start to finish. The majority of the team presented here is located in Charlotte County and has worked collectively to achieve the success of the projects demonstrated throughout this proposal. No staff will be changed without express permission from Charlotte County and this proposal is made without collusion with any other person or entity submitting a proposal pursuant to this RFP.

1. Project Manager

Michael Giardullo, PE - Senior Project Manager / Principal-In-Charge

Mike, director of Civil Engineering, has been with Weiler Engineering for 20 years. During that time, he has focused on a variety of parks and marine engineering projects throughout South Florida. Specifically in Charlotte County, he has been responsible for the seawall replacement, the day dock replacement and the boat ramp replacement at Harbor Heights Park, Live Oak Point Seawall Repairs, Kiwanis Park Boardwalks, William R. Gaines Park Boardwalks, Port Charlotte Beach Park Repairs, and many other coastal projects for Charlotte County. He has extensive local experience including several projects including pier and boardwalk projects for the City of Punta Gorda. He has also worked on numerous boat ramps and seawall projects for DeSoto County and many other pier and marine projects for municipalities and private developments throughout the Florida Keys. Since 2011, Mike provided part time engineering support to DeSoto County as the County engineer and in that time, he assisted DeSoto County with obtaining FEMA funding and ensuring reimbursement. He has developed an expertise in working with FEMA on similar projects that many consultants do not have the opportunity to develop.

2. Subconsultants and Other Key Personnel

Ashlie Maberino, PE - Deputy Project Manager

Ashlie has seven years of experience with The Weiler Engineering Corporation. In her time with the company, she has worked closely with regulatory agencies, and municipal agencies on permitting. She recently completed the design and permitting of the Live Oak Phase 1 project, William R. Gaines Veterans Memorial Park project and the Bayshore Seawall replacement project for Charlotte County as well as Ponce De Leon Boardwalk and Park Redesign project for the City of Punta Gorda including the pier repairs. Her expertise with ACOE, FDEP, FDOT, and SWFWMD permitting will allow the project to go through the permitting process smoothly and efficiently as she has recently demonstrated on the Live Oak Phase 1 and Bayshore seawall projects.

Brian Corso - Structural Engineering

Brian has been with Weiler Engineering for over 11 years and has experience in several varying aspects of marine structural design, permitting, and construction oversight, specifically structural design for seawall, boardwalk, pier, park, and marina projects. He has worked closely with many types of clients including state and local governmental agencies and municipalities on concept development, design strategy, cost engineering, and submittal review. His most recent similar project for Charlotte County was the Ponce De Leon Boardwalk and Park Redesign for the City of Punta Gorda where he conducted an assessment of the fishing piers, worked with the structural engineer to develop plans for spalling repairs and ADA upgrades, and will manage the construction oversight of its replacement. He is overseeing the construction inspections for the FEMA funded Punta Gorda Seawall Replacement project. Brian is involved in the design and oversight of boardwalk, seawall, pier, structural, and park projects.

Max Morgan, PE - Structural Engineering

Max has been with Weiler Engineering for over seven years. He has worked on numerous in-water structures including inspections and assessments, as well as full design and replacement of the structures. He has worked as an inspector, a design engineer, and the project manager on many structural projects. He is proficient in the permitting processes and the requirements for the regulatory agencies as well as performing flood, wind, and other dynamic load analyses. Recently, Max has completed the design, construction, and oversight for the Ponce De Leon Boardwalk and Park Redesign and the inspection and assessment of multiple piers for Charlotte County including El Jobean Fishing Pier.

Robin Palmer, PE - Environmental Engineering

Robin is a Professional Engineer with over 11 years of experience in environmental and civil engineering. She has managed and permitted a multitude of projects across 15 counties. She has served as the design engineer, permitting specialist, and project manager throughout her time at WEC on projects that include seawall, boardwalk, and pier repair/replacement, new floating dock design, mangrove trimming/alteration permitting, UMAMs, CCCL permitting, and low-impact development. She has worked extensively with the FDEP on State Park projects on design and permitting seawalls, boardwalks, piers, and restrooms all along Florida's coastlines. To date, Mrs. Palmer has been the design engineer on over 50 different projects at Florida state parks for the Florida Department of Environmental Protection. Robin is currently working on the design for Darst Park in-water Structures Replacement for Charlotte County.

Davis Johanson - CEI

Davis has five years of experience with The Weiler Engineering Corporation. In his time with the company, he has worked closely with regulatory agencies, and municipal agencies on design engineering, construction engineering and permit compliance. He recently completed the design and inspections for Burnt Store Isles Lock Canal Widening, Westshore Yacht Club Marina Dock Fire Line Replacement. Also Mr. Johanson performed as the Construction Phase Manager for Liverpool Boat Ramp Replacement, Document Control Specialist for City of Punta Gorda Seawall Replacement, and Lead Inspector for DeSoto Veterans Memorial Park Boat Ramp. His expertise with ACOE, FDEP, FDOT, and SWFWMD permit compliance will ensure the project substantial completion is a smooth process and final close out is timely.

Laura Herrero - Environmental - Johnson Engineering, LLC

Laura is the director of Johnson Engineering's environmental and water resources group. She brings both private and public sector experience in the environmental field. Her environmental consulting experience includes wetland delineation; protected species surveys; habitat and species management plans; biological monitoring; coordination and permitting with the FWC Commission and U.S. Fish and Wildlife Service; Fish and Wildlife Service biological assessments; mitigation proposals; environmental impact statements, environmental resource permit and federal dredge and fill permit applications with follow-through to permit issuance and post-permit compliance.

Kevin RisCassi, PSM - Survey & Mapping - Johnson Engineering, LLC

Kevin joined Johnson Engineering in 2001 and is the firm's Director of Survey and Mapping services. He is responsible for the continued development of the field personnel, ensuring that fundamental knowledge and the latest technology is available and understood by his team. Kevin has more than 30 years of experience successfully providing both residential and commercial clients with control, boundary, topographic, route, and hydrographic surveys, as well as right of way mapping on transmission lines, and construction staking. He was instrumental in helping introduce and development of our current hydrographic and GPS capabilities and has performed numerous hydrographic surveys on local waterways.

Wayne Wright, PE - Electrical Engineer- Johnson Engineering, LLC

Wayne has over 40 years of experience working as a Power & Control Systems engineer. His experience includes design and implementation of power, instrumentation, process control, industrial control, systems integration and commissioning, site and process evaluations, SCADA architecture, networking, telemetry, and PLC/HMI/OIT programming. Wayne has provided control panel electrical designs for motor control, instrumentation, low voltage power distribution, lighting, and lightning protection. Wayne has worked on projects with multiple disciplines in project management and project engineering roles managing project scope, schedule, and budget from conceptual design through detailed design and construction completion and has provided engineer-of-record and construction observation services.

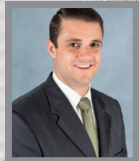
Tom Musgrave, PE - Geotechnical - Tierra, Inc.

Tierra, Inc. is a full service consulting geotechnical and construction materials testing engineering firm with capabilities to provide test borings, install piezometers and monitoring wells, engineering analyses and reports, AutoCAD and Microstation plan sheets, laboratory soils testing, and construction materials testing. Tierra was formed as a geotechnical and materials engineering firm with the intent of building upon the many years of combined experience of our founding principals. Our organization is committed to providing quality, responsive service establishing a reputation for sound approaches and professional competence in a wide range of technically demanding areas. Tierra is a Florida Statewide certified Minority Business Enterprise (MBE) and is also certified under the Florida Unified Certification Program (UCP) as a Disadvantaged Business Enterprise (DBE) through the Florida Department of Transportation (FDOT).



MICHAEL GIARDULLO, P.E.

DIRECTOR OF CIVIL ENGINEERING

**ROLE**

PROJECT MANAGER

EDUCATIONBACHELOR OF SCIENCE
CIVIL ENGINEERING

LOYOLA MARYMOUNT UNIVERSITY

MASTER OF SCIENCE

CIVIL ENGINEERING

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OF TRAFFIC QUALIFICATION

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RELEVANT EXPERIENCE

Mr. Giardullo has been with Weiler Engineering (WEC) for over 19 years and currently serves as the Director of Civil Engineering. Under his responsible charge, Weiler Engineering has designed, permitted, and supervised construction for numerous projects in South and Southwest Florida. Mr. Giardullo is experienced in permitting projects in environmentally sensitive areas through FDOT, FDEP, and the SFWMD and he is an expert in obtaining funding and managing grants from a multitude of state and federal sources for transportation improvement projects.

REPRESENTATIVE PROJECTS**Harbour Heights Park Improvements, Punta Gorda, FL**

Mr. Giardullo served the County as the Engineering of Record for this park upgrade project which was completed in numerous phases. Phases included the initial park and parking area improvements including: the replacement of the double wide boat ramp with ADA complaint access and docking. WEC completed the design and permitting of the replacement of the 2 day dock piers and construction is anticipated to be complete in February of 2019. Mr. Giardullo was the EOR for this project. Additionally, Mr. Giardullo recently completed the Harbor Heights Seawall Replacement.

City of Punta Gorda Seawall Replacement, Punta Gorda, FL

The Weiler Engineering Corporation was contracted by the City of Punta Gorda to perform CEI services for 7.25 miles of seawall damaged by Hurricane Ian. Mr. Giardullo is currently the project manager for this project. He is responsible for reviewing pay applications from the Contractors, addressing design changes in the field, and ensuring the contractors are installing the seawall panels and caps per the specifications.

HARBORWALK AND SEAWALLS, PUNTA GORDA, FL

Mr. Giardullo served as project manager for this waterfront infrastructure and linear park project. The Harborwalk involves 3.3 miles of prime harbor frontage owned by the City of Punta Gorda. In addition to the design and permitting of a multi-use recreational trail which ranges in width from 10-ft to 30-ft, he was

responsible for numerous park improvements including, restroom facilities, gazebos, picnic pavilions, a play ground, bocce courts, beach clean up, a small sailboat launching facility, seawall replacement parking areas, 8 separate stormwater management systems using retention treatment, roadway improvements, and pedestrian bridges. **5 Phases of this project involved the analysis of different types of seawalls and the engineering of repairs and replacement.** Mike was responsible for the permitting of these improvements through the FDOT, the SWFWMD, the ACOE, the Charlotte Harbor Aquatic Preserve and FWC. In addition to providing regular updates to the Punta Gorda City Council, Mr. Giardullo also hosted public forum meetings to gain input from the general public.

Ponce De Leon Seawall and Boardwalk Structural Assessment and Construction Documents, City of Punta Gorda

Weiler Engineering completed a full assessment of the existing seawall and provided a detailed report of the existing seawall conditions with recommendations for repairing, determining replacement of one segment, and extending the seawall length, based on the final assessment. The report included preliminary cost estimates for any proposed repairs and for full replacement. The report also included seawall / cap repair/replacement details, site plan showing limits of seawall and location of fishing pier, connection details of the fishing pier to the new and repaired seawall caps, and ADA compliant upgrades of the fishing pier at the transition from land. The deliverable included Engineer's Cost Estimate & Technical Specifications. Final design was included as part of additional phases. WEC delivered 100% Construction Plans and Final Construction Documents in June 2020. Currently, WEC is engaged in the construction oversight of the seawall including RFI, submittals, pay-app approvals, consulting to the City, and site visit inspections.

MICHAEL GIARDULLO, P.E.

LEAD CIVIL ENGINEER

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Weiler Engineering completed a full assessment of the existing boardwalks and fishing piers. A detailed report of the existing boardwalks and fishing piers conditions with recommendations for repairing, including options for replacement within the existing footprint, were included with the final assessment. The report also included preliminary cost estimate for proposed repairs or full replacement.

LETTUCE LAKE BOAT RAMP, DeSOTO COUNTY, FL

Mr. Giardullo served as the engineer of record and project manager for the design and permitting of this boat ramp park. The design involved a double wide boat ramp, a picnic area, accommodations for a future playground, a restroom facility and parking area. The design also included a complete stormwater system involving catch basins, a dry retention area and side drains for this site along the Peace River. Timing of the permitting through the SWFWMD and ACOE was crucial due to deadlines of grant funding through the Florida Fish and Wildlife Conservation Commission.

MORGAN PARK SEWALL PROJECT, DeSOTO COUNTY, FL

Mr. Giardullo served as the engineer of record and project manager for the design and permitting this restoration project. Mr. Giardullo assessed the various options for riverbank stabilization and selected the design that would provide the most

protection yet still remain cost effective. Mr. Giardullo worked closely with Desoto County and National Resource Conservation Service and streamlined this project the Notice to Proceed was issued in June 2018 and construction began in October 2018 and was completed in 2019. Throughout construction, Mr. Giardullo oversaw WEC inspectors and provided construction administration and engineering services. Mr. Giardullo also assisted DeSoto County with seeking reimbursement through NRCS.

LIVE OAK POINT PARK IMPROVEMENTS, PUNTA GORDA, FL

WEC was originally contracted by the County to complete an in-depth assessment of three areas of the existing Live Oak Point Park. The assessment look at multiple alternatives to address the settlement and erosion issues that are occurring at the park. WEC was later contracted to design, permit, and provide construction services for these improvements. We are currently near the end of the design phase for this project. Permitting efforts included coordination with FPL, FDOT, SWFWMD, and ACOE. Mr. Giardullo is the Engineer of Record for this project. He was responsible for the design and permitting oversight, bidding assistance, and construction services oversight.

Anne's Beach Boardwalk Replacement, Islamorada, FL

Mr. Giardullo served as the engineer of record for the civil site design portion of this project which was reimbursable by FEMA following Hurricane Irma. This included the replacement of over 1,000 linear feet of boardwalk through environmentally sensitive areas, two parking lots, site grading, and shoreline protection. This project was a key project for the Village of Islamorada because of the popularity of the park. Following construction was complete in 2019, Mr. Giardullo and the Weiler Team also assisted the Village in obtaining reimbursement through FEMA.

ASHLIE MABERINO, P.E.CIVIL DESIGN
ENGINEER**ROLE**
DESIGN ENGINEER**EDUCATION**BACHELOR OF SCIENCE
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Mrs. Mabertino is a graduate from Florida Gulf Coast University with a Bachelor of Science in Civil Engineering. Mrs. Mabertino is the current Vice President of Peace River Engineering Society (PRES). Mrs. Mabertino has over 7 years of engineering experience. Mrs. Mabertino's experience is in permitting, utility studies, utility management, and stormwater design. Through her role as a Design Engineer, Mrs. Mabertino has worked with local governmental agencies and municipalities for stormwater and utility design. Mrs. Mabertino has worked with SWFWMD, FDOT, FDEP, and other permitting agencies on many projects.

REPRESENTATIVE PROJECTS**HARBOR HEIGHTS SEAWALL REPLACEMENT, PUNTA GORDA, FL**

Mrs. Mabertino was responsible for the design and permitting of the Harbor Heights Seawall Replacement project. This project entailed 174 linear feet for seawall replacement, an upland retaining wall, and the replacement of the existing walk way. The design of the seawall repair took into consideration the previously completed piers and the design was tailored to not impact them. Mrs. Mabertino was responsible for the ACOE permitting and the SWFWMD permitting. This project design is complete and is awaiting the bidding process.

Live Oak Point Park Improvements, Punta Gorda, FL

WEC was originally contracted by the County to complete an in-depth assessment of three areas of the existing Live Oak Point Park. The assessment look at multiple alternatives to address the settlement and erosion issues that are occurring at the park. WEC was later contracted to design, permit, and provide construction services for these improvements. We are currently near the end of the design phase for this project. Permitting efforts included coordination with FPL, FDOT, SWFWMD, and ACOE. Mrs. Mabertino has been responsible for the design and permitting of this project. This project is currently in the final stages of permitting and 100% plans are ready pending the permit approvals.

William R. Gaines Jr. Veterans Memorial Park Boardwalks, Charlotte County, FL

Mrs. Mabertino was responsible for the design, permitting, and construction engineering and inspection services for this project. The project was design in 2 phases and Phase 1 is complete. This project entails boardwalks through wetlands, mulch trails, educational kiosks, and exercise stations. Permits from SWFMD and ACOE were obtained. Mrs. Mabertino worked with the reviewers from both regulatory agencies and addressed any questions they had throughout the permitting process.

JOSHUA J. JENNINGS, P.E.
CIVIL ENGINEER**ROLE**
CIVIL ENGINEER**EDUCATION**
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941-505-1700**RELEVANT EXPERIENCE**

Mr. Jennings has been with Weiler Engineering (WEC) for over 8 years and serves as a Project Manager and Engineer of Record on various projects. Under his responsible charge, Weiler Engineering has designed, permitted, and provided construction engineering services for projects in Southwest Florida and the Florida Keys focusing on land development in coastal communities. Mr. Jennings is experienced in permitting projects through FDOT, FDEP, SFWMD, and various municipalities throughout Southwest Florida and the Florida Key.

REPRESENTATIVE PROJECTS**Desoto Veteran's Park Boat Ramp**

This project entailed the design of a boat ramp with a floating dock, a parking lot, bank stabilization, and an above ground stormwater retention system. The project was permitted through the Southwest Florida Water Management District and the U.S. Army Corps of Engineers. The project included the acquisition of a submerged land lease. Mr. Jennings served as the design engineer for the project and handled the regulatory applications.

Pickle Plex-Puna Gorda, FL

Mr. Jennings was the Engineer of Record for this project overseeing the design and permitting process. This project required the design of 8 additional pickle ball courts and the redesign of the existing stormwater system working within the project limitations to ensure a seamless design. Mr. Jennings

obtained permitted through South West Florida Water Management District ensuring a smooth permitting process.


Linger Lodge RV Resort – Bradenton, FL

Mr. Jennings served as the Design Engineer for the redevelopment of a 17-acre RV resort in Bradenton, FL. The project included 143 RV campsites, a club house, check-in office, and bathhouse. Mr. Jennings was responsible for the stormwater design, stormwater calculations and ensuring a seamless permitting process through the Southwest Florida Water Management District. This project required careful design due to the proximity to the Braden River floodway and multiple easements through the property.

Key Tree Cactus Preserve–Islamorada, FL

The project entailed park improvements at the Key Tree Cactus Preserve including a floating kayak landing, a raised boardwalk, parking lot improvements, and an above ground retention system that discharges to a stormwater gravity injection well. Mr. Jennings's role in this project included the civil design and permitting through the South Florida Water Management District, the Florida Department of Environmental Protection, and U.S. Army Corps of Engineers. Mr. Jennings served as the design engineer for the project and handled the regulatory applications. This project had multiple permits through the South Florida Water Management District, including the acquisition of a General Permit to Governmental Entities for Certain Public Use Facilities at Public Natural Areas. This project was unique due to the environmental sensitivity of the area including mangrove areas, hardwood hammock, and the presence of the endangered Key Tree-cactus. Mr. Jennings worked very closely with a biologist, the U.S. Army Corps of Engineers, and the U.S. Fish and Wildlife Service to ensure that environmentally sensitive areas were preserved and protected. This project was funded by a grant through FDEP.

BRIAN CORSO
STRUCTURAL ENGINEERING
MANAGER



ROLE
STRUCTURAL DEPARTMENT
MANAGER

EDUCATION
BACHELOR OF DESIGN, UNIVERSITY OF
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RELEVANT EXPERIENCE

Mr. Corso has been with the Weiler Engineering Corporation for over 11 years and has experience in several varying aspects of structural assessment and repair/rehabilitation. He has worked closely with many types of clients including local governmental agencies and municipalities on concept development, design strategy, cost engineering, and submittal review. Mr. Corso's most recent similar projects for Charlotte County were the Ponce De Leon Boardwalk and Park Redesign and pier repairs for the City of Punta Gorda where he conducted inspections and contractor oversight of the boardwalk installation as well as a full assessment of the piers spalling repair and ADA upgrades for the piers. Brian also worked with the structural engineer to develop plans.

REPRESENTATIVE PROJECTS

Harbor Heights Park Boat Ramp, Harbor Heights, FL

Mr. Corso served as the Construction Project Manager for the new Harbor Heights Boat Ramp project. Mr. Corso responded to RFIs and submittals for the contractor throughout the project, and completed routine inspections to ensure the project was constructed according to plans and regulations. The project included new sidewalks, concrete boat ramp, (2) fixed dock, and shoreline stabilization.

Harbor Heights Park Pier Replacement, Harbor Heights, FL

Mr. Corso served as the Project Manager for the pier replacement project at Harbor Heights Park. Each of the (2) T-shaped piers were approximately

74LF and replaced the previously existing piers with a new wooden pier on 10" diameter piles. Mr. Corso lead the structural team to design a product that met all state and local codes. Mr. Corso also led the permitting team, inspection team, and oversaw the contractor in this design-build project.

Veterans Park Boat Ramp, Arcadia, FL

Mr. Corso served as the Lead Designer / Structural Project Manager on the new boat ramp facility at Veterans Park in Arcadia, FL. The project area for this project was 3.2+/- acres and included a new parking lot, sidewalk, shoreline stabilization, dual boat ramps, and a floating dock. Mr. Corso lead the structural team on the design and construction inspection services for the pile supported concrete boat ramp.


Ponce de Leon Seawall, Piers, and Boardwalk assessments and Repair Plan, Punta Gorda, FL

Mr. Corso served as the Project Manager for the new coastal boardwalk within Ponce de Leon Park. This boardwalk replacement project was constructed in a loop for a **scenic walk through the mangrove swamp**. The project required 155 new 8" piles to be placed for the new boardwalk. Mr. Corso used his knowledge to design a boardwalk that was easily constructable in a constrained site. Additionally, Mr. Corso inspected both fishing piers, designed spalling repair details and ADA upgrades.

Lignumvitae Service Dock Replacement, Lignumvitae Key, FL

Mr. Corso oversaw the design of the new fixed dock within Lignumvitae Key Botanical State Park. The existing dock was damaged in Hurricane Irma and would frequently be overtopped in king tide events. Mr. Corso and his structural team designed a the fixed dock as well as a concrete slab on piles to support the loading and unloading of vehicles. This project required permitting from the South Florida Water Management District and U.S. Army Corps of Engineers.

MAX MORGAN, P.E.
STRUCTURAL ENGINEER



ROLE
STRUCTURAL ENGINEER

EDUCATION
BACHELOR OF SCIENCE
CIVIL ENGINEERING
FLORIDA GULF COAST
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RELEVANT EXPERIENCE

Mr. Morgan is a graduate from Florida Gulf Coast University with a Bachelor of Science in Civil Engineering. Mr. Morgan's experience is in permitting, waterfront structures, and material selection expertise. Through his role as a Design Engineer, Mr. Morgan has worked with local governmental agencies and municipalities for structural design to ensure design is uniform and flows with the intended vision of the client. Mr. Morgan has worked with SWFWMD, ACOE, FDOT, FDEP, and other permitting agencies on many projects.

REPRESENTATIVE PROJECTS

DESOTO COUNTY VETERANS PARK EXPANSION AND REHABILITATION

Funded in part by a grant from FWC, this project consisted of a new boat ramp and parking area. Mr. Morgan was a member of the structural design team, where he assisted with the structural calculations for the boat ramp foundation and served as the primary draftsman. For the construction phase of the project, he served as the project manager and primary point of contact for the client and contractor. As part of his duties, he reviewed documents from the contractor, including applications for payment and submittals. Additionally, he performed field inspections when required and advised site personnel where any conflicts arose.

Harbor Heights Pier Replacement, Punta Gorda, FL

A project to replace two fixed docks at Harbor Heights Park in Charlotte County. Mr. Morgan was responsible for performing daily construction progress inspections and answering contractor questions. Additionally, he was tasked with performing the closeout walkthrough with the client.

Lignumvitae Key Botanical State Park Service Dock Replacement, Islamorada, FL

The existing service dock was located on Lignumvitae Key, an island accessible only by boat. Due to the uniquely isolated location of this state park, special considerations were required in the design. Mr. Morgan was responsible for assisting in the design of a dock and vehicle-rated loading ramp. Additionally, he was the lead structural draftsman for this project. The design he helped created considered the cost of mobilizing heavy equipment on the island and the low elevation of the existing topography.

DeSoto County Regional Wastewater Treatment Plant Rehabilitation (DCR WWTP Rehab CEI), DeSoto County, FL

The existing WWTP in Arcadia was in severe disrepair and underutilized, with only one half of the plant in operation at the beginning of the project. Mr. Morgan has been involved with this project since the project began in 2020 and continues to oversee progress. Under the oversight of the engineer of record, he designed the new concrete headworks platform for the static screen system and was the primary draftsman during the entire design phase. For the continuing construction phase of the project, he has performed multiple and varied inspections, as well as project management duties. Besides typical construction progress inspections, he performed specialized coating inspections for the new protective system on the rehabilitated steel tanks. He is also responsible for review and approving contractor submittals, attending regular progress meetings, reviewing inspection reports, and facilitating communication between the engineer of record and the client.



ROBIN PALMER, P.E.
ENVIRONMENTAL
ENGINEER

ROLE
ENVIRONMENTAL
ENGINEER

EDUCATION
BACHELOR OF SCIENCE
ENVIRONMENTAL ENGINEERING
FLORIDA GULF COAST UNIVERSITY

LICENSURE
FLORIDA LICENSED
PROFESSIONAL ENGINEER
#90050

CONTACT INFORMATION
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PUNTA GORDA, FL 33950
(941) 505-1700
RPALMER@WEILERENGINEERING.ORG

RELEVANT EXPERIENCE

Ms. Palmer is a Professional Engineer. She is an active member in the Peace River Engineering Society and Past President. Ms. Palmer also served for 4 years on the conference planning committee for the annual Southwest Florida Water Resource Conference held in Ft. Myers. In 2015, Ms. Palmer was recognized by the Governor for her first place award in technical writing at the ASCE Florida Section Annual Conference. She has served as the project manager for over 60 projects for the FDEP since 2016.

REPRESENTATIVE PROJECTS

GASPARILLA BOARDWALK REPLACEMENT, BOCA GRANDE, FL

Design Engineer: WEC was contracted by the FDEP to design a new boardwalk for Gasparilla Island State Park adjacent to the historic Boca Grande Lighthouse. The previous boardwalk was no longer accessible due to severe beach erosion. Ms. Palmer took the lead on the site design and permitting through the FDEP (Coastal Construction Control Line permit) and Lee County. This project involved creating a design that would not impact the sensitive environmental area with gopher tortoise burrows and beach dunes. The new boardwalk was strategically located to provide access to an area of the beach protected by a rock jetty, which thereby minimized the likelihood of beach erosion near the boardwalk. WEC also completed CEI services for the project.

Lignumvitae Key Spalling and Dock Repair, Islamorada, FL

Design Engineer / Project Manager: Ms. Palmer worked on this project for the FDEP Bureau of Design and Construction. Ms. Palmer led the WEC team in facilitating the best strategy for the dock repairs needed after Hurricane Irma. The project included rebuilding a new wooden dock, spalling repair on the existing concrete dock, and CEI services. Ms. Palmer also handled the permitting for this project through SFWMD and ACOE.

Collier-Seminole State Park Boat Basin Improvements, Naples, FL

Design Engineer: The project entailed park improvements for the boat basin at Collier-Seminole State Park including an assessment on the existing seawall, design of a new floating dock, floating kayak launch, fishing platform, and parking lot improvements. Ms. Palmer's role in this project included permitting through Collier County, South Florida Water Management District, and U.S. Army Corps of Engineers. As the Design Engineer, Ms. Palmer was tasked with adding the new park amenities that would replace the old dock, meet ADA compliance, and would not have a negative environmental impact.

Fiesta Key Marina, Layton, FL

Ms. Palmer served as the Design Engineer for the improvements at Fiesta Key Marina. This project had 27 existing finger docks with 55 boat slips. The Project included replacing the slips in the marina with new, safer slips as well as marina basin improvements with a combination of rip rap and seawall. In some areas of the marina, a new steel sheet pile seawall was designed in front of the existing seawall as a repair method. Under the proposed improvements, the marina will have the same 27 boat finger docks with 55 boat slips. 1,075 LF of existing seawall will be replaced with new steel sheet piles. This project required permitting through the Florida Department of Environmental Protection and U.S. Army Corp of Engineers.

LOURDES “LULI” RAMALLE

Professional Engineer

ROLE

ENVIRONMENTAL ENGINEER

EDUCATION

Bachelor of Science
Civil Engineering
Florida Gulf Coast
University

LICSNECES

Florida Licensed
Professional Engineer
#102452

**CONTACT
INFORMATION**

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(941) 505-1700
lramalle@weilerengineering.org

RELEVANT EXPERIENCE

Ms. Ramalle is a graduate from Florida Gulf Coast University with a Bachelor of Science in Civil Engineering. Mr. Morgan has been with Weiler Engineering for 4 years. Ms. Ramalle's expertise lies in residential, commercial, and public projects. Ms. Ramalle has worked with SWFWMD, ACOE, FDOT, FDEP, and other permitting agencies on many projects.

REPRESENTATIVE PROJECTS**Don Pedro Docks – Placida, FL**

WEC worked in the redesign and permitting of two existing docks for the Florida Department of Environmental Protection at Don Pedro State Park. Ms. Ramalle participated in kick-off and follow-up meetings with the engineer of record and client. Ms. Ramalle worked closely with staff to ensure the design of the new docks followed local, state and federal guidelines. Ms. Ramalle prepared permit applications and obtained all the required engineering permits for this project, including USACE, WMD, and local permits.

Koreshan State Park Campground–Estero, FL

Ms. Ramalle served as a Design Engineer on the campground modifications at Koreshan State Park. This project entailed remodeling the existing campsites to be more consistent in size and shape and conform with the FDEP's standards for State Park campgrounds. Ms. Ramalle is currently spearheading the permitting process for the project.

Cayo Costa State Park Hurricane Repairs – Lee County, FL

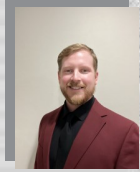
WEC was tasked with the design and permitting of structures damaged during Hurricane Ian as well as the design for the dredging at two locations within Cayo Costa State Park. Ms. Ramalle visited the site to evaluate existing conditions. She worked on the design for the dredging activities including location, cross-sections, allowable depth, spoil transportation logistics and total volume calculations for the two sites. Ms. Ramalle worked closely with structural staff to ensure the proposed structures comply with State and County standards for more resilient structures. Ms. Ramalle worked on over 20 permit applications to obtain the approval of all agencies.

John Pennekamp Boardwalk – Key Largo, FL

WEC was tasked with creating the for removal and replacement design of 1,500 foot long wood boardwalk located at John Pennekamp State Park. Ms. Ramalle worked closely with staff in the design and prepared all necessary permit applications needed for the project to run smoothly. She worked closely with USACE, SWFMD, DOH, and the county agencies to help expedite the permitting process, with note to the SWFMD permit being granted in less than a month.

Briggs Boardwalk– Naples, FL

Ms. Ramalle served as the Design Engineer on the replacement of the 1/2 mile boardwalk. The Rookery Bay Reserve recently received grant funding for the replacement of the aged structure. Ms. Ramalle completed the design and permitting process through the SFWMD and USACE on this project, which is located in mangrove wetlands. In addition to the boardwalk, additional improvements were added such as a privacy fence along FWC storage yard, landscaping, and parking lot improvements.

DAVIS L. JOHANSON

ROLE
CONSTRUCTION
PHASE MANAGER

EDUCATION
BACHELOR OF
SCIENCE ENVIRONMENTAL
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RELEVANT EXPERIENCE

Mr. Johanson is a graduate from Florida Gulf Coast University with a Bachelor of Science in Environmental Engineering. Mr. Johanson's experience is in permitting, utility management, and construction engineering. Mr. Johanson has worked with local governmental agencies and municipalities for engineering design to ensure the design is uniform and flows with the intended vision of the client. Mr. Johanson has worked with SWFWMD, ACOE, FDOT, FDEP, and other permitting agencies on many projects.

REPRESENTATIVE PROJECTS**CITY OF PUNTA GORDA SEAWALL REPLACEMENT—PUNTA GORDA, FL**

The Weiler Engineering Corporation was contracted by the City of Punta Gorda to perform CEI services for 7.25 miles of seawall damaged by Hurricane Ian. Mr. Johanson is currently the Construction and Document Compliance Specialist, GIS Specialist, and a Seawall Inspector for this job. He is responsible for monitoring construction activities, reporting on compliance status, identifying compliance risks, documenting as-built information into ArcGIS Pro software, and overseeing seawall construction ensuring the contractors are installing the seawall panels and components per the specifications.

LIVERPOOL BOAT RAMP REPLACEMENT—ARCADIA, FLORIDA

Mr. Johanson served as the Construction Phase Manager for the construction of the new single lane boat ramp, new dock, and seawall at

Liverpool Park. Mr. Johanson also coordinated permitting with the FDEP and ACOE. The project was funded through the Florida Fish and Wildlife Conservation Commission Florida Boating Improvement Program. The total construction cost was approximately \$850,000.

DESOTO VETERANS MEMORIAL PARK BOAT RAMP—ARCADIA, FL

Mr. Johanson served as the Lead Construction Inspector on the new boat ramp facility at Veterans Park in Arcadia, FL. The project area for this project was 3.2+/- acres and included a new parking lot, sidewalk, shoreline stabilization, dual boat ramps, and a floating concrete dock. Mr. Johanson oversaw construction ensuring plan compliance and managed onsite construction progress meeting.

WESTSHORE YACHT CLUB MARINA DOCK FIRE LINE REPLACEMENT—TAMPA, FL

Mr. Johanson served as the Design Engineer and Inspector for the fire line replacement on the 175 slip dock. Tasks included inspecting the condition of the existing fire line utilities and generating plans for the complete, in-kind replacement of the existing fire protection system on the dock from the waterward side of the seawall.

BURNT STORE ISLES LOCK CANAL WIDENING—PUNTA GORDA, FL

Mr. Johanson served as the Construction Phase Manager for the Burnt Store Isles lock canal widening. Tasks included reviewing pay applications, construction materials, managing the permit processes through the FDEP and ACOE, and ensuring adherence to construction plans and all applicable regulations.

LAURA BRADY HERRERO**Environmental
Permitting**

lherrero@johnsoneng.com
239.461.2457

Years Experience

31 years

Education/Training

B.S. Ecology (1993),
University of Illinois

Master's Work in Env. Sciences
University of Alaska Anchorage
(1997-1999)

Certified Ecologist, ESA

FAA Qualified Wildlife Biologist

Authorized Gopher Tortoise
Agent with the FWC (GTA-13-
00022)

Professional Affiliations

Ecological Society of America

Florida Association of
Environmental Professionals (Past
Chapter President)

Florida Airports Council
Environmental Advisory
Committee Member

Laura joined the firm in 2000 and serves as director of the firm's environmental consulting team, whose ecologists have more than 100 years of combined experience. As a certified ecologist, her duties include State and Federal wetland jurisdictional determinations, protected species surveys, habitat and species management plans, coordination and permitting with the Florida Fish and Wildlife Conservation Commission (FWC) and U.S. Fish and Wildlife Service (FWS), FWS Biological Assessments and Biological Opinions, wetland/listed species mitigation proposals and mitigation monitoring, Environmental Resource Permit and Federal Dredge and Fill applications, as well as follow-through to permit issuance and post-permit compliance. She is also an FWC Authorized Gopher Tortoise Agent, Federal Aviation Administration Qualified Wildlife Biologist, and FWS qualified caracara observer with over 1,600 hours of caracara survey experience and 40 nests found to date. Laura has served as the Project Manager and/or environmental lead for the permitting of many private and public sector projects and has provided expert witness testimony regarding ecological issues related to Lee and Collier County zoning cases.

Relevant Experience

- **Town of Ft. Myers Beach** - Lead ecologist on the Phase 1A watermain and drainage improvement project (sub-consultant to Mitchell & Stark) performing jurisdictional determinations, eagle monitoring, Coastal Construction Control Line (CCCL) permitting with the DEP, and assisting in evaluation of design changes to avoid impacts to mangroves and Estero bay.
- **Joel Boulevard Park, Lee County** - Johnson Engineering laid the ground work with a wetland determination, complete survey and site analysis services necessary before beginning the park concept plan. The Park Concept plan has been designed to include the elements the County envisioned for this passive park which include: a signed entry, parking lot facility and parking for school buses, picnic areas, tot lot and playground, a restroom, an outdoor environmental classroom, acres of agricultural operations for both uplands and marsh crops, acres of created wet marsh for wildlife habitat and environmental education, an area of existing Gopher Tortoise preserve, and miles of accessible trail throughout all areas of the park.
- **SFWMD Crested Caracara Monitoring** - Served as lead field ecologist working on the Kissimmee River Post-Restoration Monitoring of the Crested Caracara along the Kissimmee River Restoration Corridor; trained by Joan Morrison, Ph. D., and permitted by FWS under Dr. Morrison's permit, to capture and fit sub-adult caracaras with a radio transmitter (2000-2003); C-43 West Storage Reservoir caracara nest location surveys and productivity monitoring; assistance with trapping and banding and post-tagging monitoring (2015 – current); C-139 Annex Restoration nest location surveys and productivity monitoring (Phase I and portions of Phase 2, January 2018-current nesting seasons)
- **Lee County DOT** - Wetland delineations, wetland functional assessments, mitigation proposals, listed species surveys, and State and federal permitting for Alico Road Corridor Study, Alico Road Widening, Gladiolus Drive Widening, Six-Mile Cypress Parkway Widening, A&W Bulb Road Safety Improvements, and Fiddlesticks Bike Path.
- **Lee County Public Works** - Permitted and oversaw construction and monitoring of the Section 33 Regional Mitigation Site; designed and permitted the Wild Turkey Strand Site 9.0 Mitigation Area just north of Alico Road; both of these projects included coordination with U.S. Fish and Wildlife Service for determination of available panther and wood stork mitigation.
- **Lee County Port Authority** - Provided environmental analysis to assist with the RSW Comprehensive Plan Amendment to support permitting of 200 acres of non-aviation development; State and Federal environmental permitting for Skyplex Boulevard and Phases I and II of the RSW Remediation of Hazardous Wildlife Areas; assisted with the permitting of the Midfield Terminal Expansion and Mitigation Park, the RSW and FMY Wildlife Hazard Assessments; and the implementation of the associated Wildlife Hazard Management Plans.
- **Babcock Ranch Community** - Conducted wetland delineations and functional assessments of both wetland impacts and mitigation areas on approximately 17,800 acres; freshwater biomonitoring utilizing fish and macroinvertebrates; wildlife surveys; Environmental Resource Permitting; preparation of the mitigation plan which includes 6,800 acres of onsite mitigation and 5,900 acres of mitigation on the State owned portion of the Babcock Ranch Preserve.



GARY NYCHYK**Ecologist**

agn@johnsoneng.com
(239) 461-2454

Years Experience

23 years

Education/Training

B.S. Marine Biology, (1998)
University of West Florida

Authorized Gopher Tortoise
Agent, FWC (GTA-18-00060)

Florida Bonneted Bat Qualified
Acoustic/Roost Surveyor, USFWS

Qualified Crested Caracara
Observer, USFWS

FWC Registered Agent for
Burrowing Owls (RAG 19-00023)

Certified Safe Miner, MSHA

Certified UST
Class A/B Operator, USEPA

Professional Affiliations

Florida Association of
Environmental Professionals
(Past Chapter President)

Florida Bonneted Bat Working
Group

Estero Bay Agency on Bay
Management

Gary worked with Johnson Engineering from 2004 through 2006 as an ecologist. He rejoined the Johnson Engineering team in 2015. His duties include vegetation mapping, benthic surveys, wildlife surveys, track surveys, protected species management plans, wetland jurisdictional delineations, and wetland preserve mitigation monitoring. Gary works closely with the Florida Department of Environmental Protection (FDEP), the South Florida Water Management District (SFWMD), Florida Fish and Wildlife Conservation Commission (FWC), U.S. Fish and Wildlife Service (USFWS), Lee County Port Authority, as well as local city and county government agencies. Prior to recent employment with Johnson Engineering, Gary was the Interim Director for the Wasco County Planning Department in The Dalles, Oregon. He managed staff, prepared and presented annual budget proposals while assigning and reviewing Land Use applications in Wasco County. He also developed and presented updates for the Land Use and Development Ordinance before the Wasco County Planning Commission and Board of County Commissioners. Gary was also a Senior Environmental Planner with the Lee County Department of Community Development. Gary coordinated Vegetation Removal Permitting and reviewed local development orders for compliance with the Land Development Code. He presented planned development rezoning cases before the Lee County Board of County Commissioners and the Bonita Springs City Council. Gary also reviewed protected species surveys and management plans and performed monitoring surveys for American bald eagle nest locations throughout Lee County.

Relevant Experience

- **Lee County** - Conducted protected species surveys, wetland delineation, Florida bonneted bat acoustic and roost surveys at the Lehigh Acres Park Expansion and Alico Connector projects.
- **Lee County Port Authority** - Perform annual Storm Water Pollution Prevent Plan and Spill Prevention, Control and Countermeasures Plan site compliance evaluation and conduct annual SWPPP and SPCC training for Page Field and Southwest Florida International Airports staff and tenants.
- **Collier County Utilities** - Performed wetland delineation, protected species surveys, and permitting for utility line expansions in Collier County.
- **Habitat for Humanity of Collier County** - Conducted species surveys, wetland delineations Florida bonneted bat acoustic and roost surveys and permitting for Kaicasa and Regal II developments.
- **Helms Road Extension, Hendry County** - Assisted with gopher tortoise surveys, permitting and relocation for over 50 burrows. Conducted surveys and monitoring of 17 Big Cypress fox squirrel nests within the project corridor.
- **Florida Gulf Coast University, Alumni Center and South Entrance Road** - State and Federal environmental resource permitting, pre-construction surveys, listed species surveys, gopher tortoise relocations, and Florida bonneted bat surveys.
- **Babcock Ranch** - Conduct protected species surveys, caracara surveys, and gopher tortoise burrow surveys and relocations.
- **Four Mile Cove Ecological Preserve Land Management Plan, City of Cape Coral** - Updated the Land Management Plan for Four-Mile Cove through FDEP Division of State Lands.
- **City of Cape Coral Southwest 6&7 Utilities Expansion Project, Cape Coral** - Performed threatened/endangered species surveys and gopher tortoise relocation activities for the Southwest 6&7 Utilities Extension Project.
- **FWC Special Use Permit** - Conducted acoustic surveys in collaboration with FWC for Florida bonneted bat at two artificial roost sites on the Babcock – Webb Wildlife Management Area to assist develop a data library for identifying natural roosts.
- **Mediterra** - Analyzed potential fire hazards within preserve areas of the community and prepared a Fire Management Plan for SFWMD.

JOHNSON
ENGINEERING
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KEVIN RISCASSI, PSM
Director of Surveying & Mapping



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 239.461.2410

Years Experience
 33 years

Licensing & Registration
 Florida Professional Surveyor &
 Mapper, License No. LS6433
 License Acquired: 7/28/03

MOT Certification

Education/Training
 B.A. Economics (1992),
 Trinity College

Professional Affiliations
 Florida Surveying and
 Mapping Society

Kevin joined Johnson Engineering in 2001 and has 33 years of surveying experience, including control, boundary, topographic, route, hydrographic, construction, GPS, elevation certificates and mortgage surveys. He has six years of field experience as a survey crew chief, three years as a survey technician and has been licensed as a professional surveyor since 2003. Kevin serves as project manager on hydrographic, boundary, design and construction projects.

Relevant Experience

- **Kitson & Partners, Babcock Ranch Community Phase IA, Town Square, and Phase IBI Surveys** – Kevin led the surveying services to complete the platting of Babcock Ranch Community Phase IA & Town Square in 2012 and is currently in the process of platting Babcock Ranch Community Phase IBI. He has performed hydrographic surveys on several of the lakes, prepared topographic surveys for design and quantity analysis, construction staking on the Earthsource Relocation Site and prepared tree surveys for permitting applications.
- **Clam Pass, Collier County, FL** - Kevin was responsible for control survey, beach cross sections, profile data and hydrographic mapping on four cuts flowing to the pass.
- **Gasparilla Island Bride Authority Toll Bridge, Gasparilla Island, FL** - Kevin was responsible for control and mapping hydrographic data necessary in dredging and design analysis for the construction of new bridges.
- **Ding Darling, Sanibel, FL** - Kevin was responsible for vertical control, obtaining cross sections on drainage creeks and topographic data collection on approximately 230 acres mangrove vegetated land for runoff and restoration studies.
- **South Fork East CDD Amenity Center Expansion, Riverview, FL** - Kevin was responsible for the topographic and boundary survey data necessary to prepare concept alternatives and site design for a community activity area and building expansion at this public facility within the South Fork East Community Development District.
- **U.S. Navy Turning Basin at Key West Bight, Key West, FL** - Kevin played an instrumental role in the hydrographic survey of an existing basin for design.
- **United States Sugar Corporation, Hendry, Glades & Palm Beach County, FL** - Kevin was one of five professional Johnson Engineering employees in charge of control, title review and boundary work associated with 80,000 acres of USSC property.
- **Windham/Magnolia Landing, Lee County FL** - Kevin was responsible for producing a 983-acre boundary survey. Kevin is currently working on boundaries associated with future planned development within existing boundary.
- **Magnolia Landing Unit One, Lee County, FL** - Kevin is the surveyor of record for the plat.
- **Florida Power & Light, Alico/Orange River #3, Lee & Collier County, FL** - Kevin was responsible for the aerial control, record drawings for design, right of way survey, construction staking of new transmission line and as-builts on new improvements.



RICK DANIELS, PSM
Professional Surveyor & Mapper



rdaniels@johnsoneng.com
 239.461.2465

Years Experience
 34 years

Licensing & Registration
 Florida Professional Surveyor & Mapper, License No. LS7229

Education/Training
 B.A. Geography
 University of South Florida

A.A. Edison State College

U.S. Army Engineer School
 Construction Survey Course

Autocad Civil 3D

NSPS/ACSM Sponsored Certified
 Survey Technician,
 Levels II, III

Rick joined Johnson Engineering as a survey technician in 2013 after 18 years of surveying in the public and private sector, working in the field and office. He started in the U.S. Army as a construction surveyor. He is currently a certified survey technician, Level III and proficient in AutoCad. He has earned a General A.A. degree from Edison State College, a B.A. degree in Geography from the University of South Florida, and recently became a licensed Professional Surveyor and Mapper. During his time with Johnson Engineering, Rick has performed many services for our clients including: ALTA/ACSM surveys, subsurface utility engineering surveys, right-of-way mapping, topographic surveys, preparation of easement and parcel descriptions, digital terrain modeling, preparation of subdivision plats, and preparation of construction calculations.

Relevant Experience

- **Florida Power & Light Company Right-of-Way Acquisition, Charlotte & Lee County** - Rick was responsible for preparing right-of-way parcel maps of 70+ miles of transmission lines for acquisition by the client.
- **Southwest Florida International Airport, Lee County** - Rick was responsible for overseeing and preparing base maps from field locations, and digital terrain models for 10+ miles of roadway throughout the airport complex.
- **Corkscrew Road, Lee County** - Rick was responsible for creating a base map from field locations, preparing a digital terrain model, and boundary survey for 4+ miles of roadway.
- **University Plaza West, Lee County** - Rick was responsible for preparing construction layout calculation drawings, computing field stake out points and preparing various sketch and descriptions for the project.
- **Bridgetown, Lee County** - Rick was responsible for preparing construction layout calculation drawings, computing field stake out points, preparing various sketch and descriptions, and preparing subdivision plats for the project.
- **Hopedelagee Ranch, Hendry County** - Rick was responsible for preparing a boundary survey for a 7,800 acre parcel.
- **SE Renewable Fuels, Hendry County** - Rick was responsible for creating a base map from field locations and preparing a digital terrain model for the site.
- **Hilliard Parcel, Hendry County** - Rick prepared a 300+ acre boundary survey including the preparation of several easement sketch and descriptions.
- **Florida Power & Light Company Right-of-Way Acquisition, Charlotte & Lee County** - Rick was responsible for preparing right-of-way parcel maps of 70+ miles of transmission lines for acquisition by the client.
- **Micco Bluff Road, Okeechobee County** - Rick was responsible for creating a base map from field locations and preparing a digital terrain model for 2.4+ miles of roadway.
- **Orangetree Utility Site, Collier County** - Rick was responsible for preparing a boundary and topographic survey for the site with subsurface utility engineering data and prepared legal descriptions for the boundary and a well easement to the south.



WAYNE WRIGHT, PE

Senior Electrical Engineer



wwright@johnsoneng.com
239.461.2446

Years Experience
43 years

Licensing & Registration
Florida Professional Engineer,
License No. 58220

Education/Training
B.S. Engineering (1982),
Duke University

Wayne has over 40 years of experience working as a Power & Control Systems engineer. His experience includes design and implementation of power, instrumentation, process control, industrial control, systems integration and commissioning, site and process evaluations, SCADA architecture, networking, telemetry, and PLC/HMI/OIT programming. Wayne has provided control panel electrical designs for motor control, instrumentation, low voltage power distribution, lighting, and lightning protection. Wayne has worked on projects with multiple disciplines in project management and project engineering roles managing project scope, schedule, and budget from conceptual design through detailed design and construction completion and has provided engineer-of-record and construction observation services.

Relevant Experience

- **Collier County North County Water Reclamation Facility (NCWRF) Electrical Services #1 Upgrade** - completed design to replace existing 3200a switchgear with a gen-gen-main-tie-main-gen a-bus/b-bus arrangement. The design allowed for the proposed equipment to be placed in the same location as the existing equipment without any building modifications. Two existing 1250kw generators were to be connected with paralleling controls upgrades. Construction and integration services are ongoing including a switchgear AB PLC controller and AB operator interface.
- **WRF Switchgear, MCC & Generator Controls Upgrade, City of Naples Utilities, Naples, FL** - Our team provided electrical engineering design, construction and integration services associated with the replacement of the 1200KW Generator #1 controller and switchgear MCC#3, MCC#4, and a generator control system field retrofit. An extensive utilization of cable tray raceways were designed to efficiently route conductors throughout the electrical room. Installation was completed on time and on budget with minimal planned downtime.
- **WTP Switchgear, MCC's, Generators Replacement and New Electrical Room, City of Naples Utilities, Naples, FL** – Successfully completed an ambitious project where our team provided electrical engineering design services, construction services and integration services for the replacement of all of the 480V power distribution switchgear, panelboards and motor control equipment throughout the plant and some associated low voltage equipment, all of which had reached the end of its useful life. An extensive utilization of cable tray and cable bus raceways were designed to efficiently route power and control circuits throughout the plant. A new electrical room was designed for most of the new equipment. We also provided the electrical and concrete pad design to replace two 750KW standalone generators with three 500KW generators configured in parallel, including programming and integration of the utility-generator transfer/re-transfer scheme.
- **Northeast Wastewater Service Area (NESA) WRF, IQ Booster Station & Potable Booster Station, Collier County Utilities, Naples, FL** – As part of a multi-discipline design/build team, this is an active project to provide all electrical design, construction, and integration services to build a new Wastewater Reclamation Facility and two co-located booster stations. The WRF will consist of two independent 750,000 GPD interconnected units for reliability that will have a total capacity of 1.5 MGD on a Maximum Monthly Average Daily Flow basis and will utilize onsite rapid infiltration basins for effluent disposal. A new electrical room, 3200-amp switchgear, two motor control centers, distribution panelboards, various instrumentation, and six PLC-based control panels. All PLC programming, integration, and commissioning will be provided as well. There will be two 500KW generators configured in parallel for standby power.
- **WRF Generators Replacement, City of Naples Utilities, Naples, FL** – Johnson Engineering provided design, construction and integration services to replace two existing standalone generators with four 600kw generators configured in parallel (2400kw total capacity) which fed a 4000amp tap box connected to two 3200amp switchgear assemblies. The project included a replacement of an obsolete generator controller located in the existing switchgear with an Allen Bradley PLC to handle the generator transfer/re-transfer operation.
- **Lift Station Upgrades, Lee County Utilities, Ft. Myers, FL** – We provided electrical design and CEI services to upgrade over 60 lift stations as part of multiple construction phases for designated sites that were negatively impacted by weather events.

JOHNSON
ENGINEERING
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GEOFF GARLAND, EI

Electrical Engineer



Geoff.garland@johnsoneng.com
239.461.2446

Years Experience

2 years

Licensing & Registration

Florida Engineer Intern,
License No. 1100028632

Education/Training

B.S. Electrical Engineering (2023),
Florida International University

B.S. Computer Science (2013),
Full Sail University

Geoff is an Electrical Engineer with experience in power systems design, protective relaying, and industrial controls. His work includes the development and implementation of low voltage power distribution systems, protective relay schemes, switchgear controls, and automated transfer systems. Geoff has contributed to the development of control logic and HMI interfaces for reliable and efficient operation of battery energy storage systems (BESS), generators, and closed-transition transfer systems, contributing to both design and field commissioning efforts. Geoff has also been involved in troubleshooting, testing, and system integration to ensure safe and reliable operation in compliance with applicable standards. In addition to his electrical engineering background, Geoff has over 8 years of experience in 3D design and prototype development. He has built functional prototypes for clients using 3D printers, CNC routers, laser cutters, and milling machines. His projects often integrate electronics such as microcontrollers, motors, lights, and sensors- merging mechanical and electrical design to deliver customized, high-performance systems. This multidisciplinary experience supports his hands-on, solution-driven approach to engineering challenges.

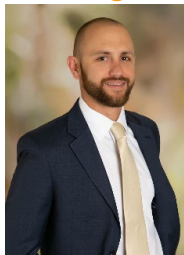
Relevant Experience

- **Lee County Utilities Lift Station Rehabilitation Project** - Supported the CEI team through field inspections, daily reporting, and documentation of contractor progress for multiple active lift station sites. Assisted project engineers with review and clarification of electrical design requirements, addressing contractor questions, and verifying installation against contract documents. Responsibilities included site photo documentation, coordination of daily construction activities, and serving as the primary point of contact for electrical-related design clarifications. This role ensured accurate reporting, improved communication between field and design teams, and supported timely resolution of electrical construction issues.
- **Industrial Facility Electrical Service Upgrade, DeSoto County, FL** - Provided electrical design services for upgrading an existing single-phase facility to a new 800A, 480V three-phase service while retaining the original single-phase system. The project included the design and integration of multiple transformers to serve various building loads at 480/277V, 240V, and 208/120V. Responsibilities included service load calculations, transformer sizing, panelboard schedules, overcurrent protection coordination, conductor sizing, single-line diagrams, and construction drawings for equipment layouts and conduit routing. The new system was designed to operate independently of the existing service, ensuring minimal disruption to ongoing operations during implementation.
- **Closed-Transition Transfer Switch System Design - BESS Integration Project** - Led the redesign of an existing open-transition automatic transfer switch (ATS) system into a closed-transition architecture to support uninterrupted power transfers between a 1MW inverter and a 150kW diesel generator. Designed the complete control logic and sequence for the closed-transition process, enabling seamless power transfers without disrupting building loads. Developed a robust fallback and failure-mode handling strategy to ensure system reliability. The inverter served as the synchronization source due to the generator's lack of sync capabilities. The system was integrated with the company's BESS control software via Modbus and was also capable of interfacing with third-party software. Designed to allow isolation of the building load during test days, enabling safe use of switchgear, BESS, and load bank equipment for system testing and commissioning activities.
- **BESS Control Software Redesign - Regulated Power Flow Implementation** - Contributed to a major overhaul of the BESS control software, focused on implementing a regulated power flow algorithm optimized for site-specific performance through AI tuning. Worked under the direction of a PhD electrical engineer who developed the core algorithm in C++, while collaborating closely with the software team responsible for integration into the live C# control system. Served as a key system integrator and technical liaison, translating complex control logic and edge-case considerations into actionable guidance for real-time code updates. Led system stress testing to validate functionality, fault handling, and operational safety. The redesign significantly improved system reliability, fault resilience, and future scalability, while laying the groundwork for intelligent power flow regulation across diverse site conditions.



JOHN GLENN, PE

Transportation Engineer



jglenn@johnsoneng.com
239.461.2401

Years Experience

13 years

Education/Training

B.S. Civil Engineering (2013),
Florida Gulf Coast University

Licensing & Registration

Professional Engineer

FDOT Certifications

FDOT Advanced MOT

NRC Nuclear Gauge Safety

ACI Concrete Field Level I

Asphalt Paving Technician -
Level I & II

Earthwork - Level I & 2

Volunteer Opportunities

Fort Myers American
Little League

City of Fort Myers -
Adopt a Canal Program

Coastal Conservation
Association (CCA) - Banquet
Committee Member

John currently serves as a project administrator and design project engineer in our transportation group. John's experience includes both design and CEI on various projects throughout Lee, Hendry, DeSoto, Glades and Charlotte counties. Serving as design engineer and project administrator on many of these projects has given John an understanding of what it takes to successfully complete both the design and construction phases of a project.

Relevant Experience

- **Gasparilla Road Widening, Charlotte County** - John served as a design engineer for 2.7 miles of two to four-lane roadway reconstruction from Rotunda Boulevard to SR 776 in Charlotte County. In addition to roadway improvements the project included associated survey, utilities, landscaping, signalization, signing and marking, all related permitting and a new bridge over the Butterford Canal.
- **Rehabilitation of Roads and Chamberlin Parkway Re-Alignment, Lee County Port Authority** - John served as project manager for this project that encompassed over 10 miles of landside roadway at the Southwest Florida International Airport. This project included re-aligning and safety improvement to Chamberlin Parkway, construction of a large roundabout, landscaping and utility improvements. This project also consisted of developing a long term phased rehabilitation plan for the roadways. Phase I of this project has recently been constructed.
- **Fort Denaud Road Phase II, Hendry County** - Engineer of Record for approximately 2.5 miles of milling and resurfacing / full depth reclamation SCRAP funded project in Hendry County. John was responsible for all aspects of design including designing to the allotted budget and incorporating bid alternates for flexibility during bidding.
- **Alico Road, Lee County** - Team member for the design of approximately two miles of roadway widening from two to four lane urban roadway including all associated drainage, and permitting. This project is currently underway.
- **Helms Roadway Extension, Hendry County** - John served as both a design engineer and CEI project administrator for approximately three miles of new four-lane urban roadway improvements. His roles included overseeing roadway design efforts as well as soil density testing and sampling, concrete testing, review of pay requests, shop drawings and RFI's. This project includes the construction of four box culverts and one box culvert extension. John also served as a design team member on this project.
- **County Road 763, DeSoto County** - John recently served as the project administrator on this Milling and resurfacing SCOP and SCRAP funded project. His roles included; tracking quantity over and underruns to maximize available funding, coordinating change orders, conducting bi-weekly construction meetings, review of pay requests, shop drawings and RFI's.
- **County Road 661, DeSoto County** - John recently served as the project administrator on this Milling and resurfacing SCOP and SCRAP funded project. His roles included; tracking quantity over and underruns to maximize available funding, coordinating change orders, conducting bi-weekly construction meetings, review of pay requests, shop drawings and RFI's.
- **Birchwood Parkway, Glades County** - John recently served as the project administrator on this reconstructing and resurfacing SCOP funded project. His roles included; conducting bi-weekly construction meetings, review of pay requests, shop drawings and RFI's.
- **County Road 733, Glades County** - John participated in both the design and construction inspection for approximately two miles of roadway resurfacing and drainage improvements. This project was completed on time and on budget.
- **County Road 720, Glades County** - John participated in both the design and construction inspection for approximately two miles of roadway resurfacing and drainage improvements. This project was completed on time and on budget.
- **County Road 78 Phase III, Hendry County** - John served as both a design team member and inspector for the construction of approximately three miles of roadway widening, associated drainage and milling and resurfacing. This project has been completed.
- **County Road 78 Phase VI, Hendry County** - John served as both a design team member and Inspector for the construction of approximately one and a half miles of roadway widening, box culvert extension and milling and resurfacing. This project has been completed.

JOHNSON
ENGINEERING
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Thomas E. Musgrave, P.E.*Geotechnical Engineer***Summary of Capabilities**

Geotechnical Engineering
 Structural Engineering
 Structural Damage Evaluations
 Structural and Geotechnical Analysis
 Project Management
 Numerical Modeling of Soft Soil Embankments
 Numerical Modeling of Soil-Structure Interaction

Years of Experience

With Tierra: 13 Years
 With Other Firms: 1 Year

Education

B.S., Civil Engineering, University of South Florida, 2011

Professional Organizations/Registrations/Awards

Florida Professional Engineer, License No. 81669
 American Society of Civil Engineers

Mr. Musgrave has worked in the field of Structural and Geotechnical Engineering for more than 13 years, starting as an intern and gaining experience in structural damage assessment, structural analysis, ground subsidence, water intrusion, roof inspection, cause and origin forensic investigation, and soils and materials testing. His experience includes working on structural forensic investigations as well as FDOT roadway projects, subsidence investigations, structural bridge analysis, pavement evaluation, MSE wall analysis, corrosion testing and research. He has performed FDOT projects for Districts I, V, VII and Florida's Turnpike Enterprise. Mr. Musgrave also has extensive experience in structural testing including GPR evaluation of concrete and steel reinforcement.

Project Experience

Darst Park Seawall Replacement, Charlotte County
 Harbor Heights Park Seawall Replacement, Charlotte County
 City of Sarasota Seawall Replacement, Sarasota County
 City of St. Petersburg 2nd Avenue North and Bayshore Drive Seawall Replacement, Pinellas County
 Big Carlos Pass PD&E and Bridge Replacement, Lee County
 Fort Myers Country Club Pedestrian Bridges, Lee County
 Helms Road Signals Subsidence, Hendry County
 Resurfacing East Ventura Avenue from S. Deane Duff Avenue to S. Francisco Street, Hendry County
 Fort Denaud Road from SR 80 to Fort Denaud Bridge Way, Hendry County
 Frank Billie Field Office Parking Expansion, Hendry County
 Hendry County Safety Improvements, Hendry County
 Whitfield Avenue East Roadway Improvements, Manatee County
 North Lee County Wellfield Expansion, Lee County
 Southwest Florida International Airport Road Rehabilitation, Lee County
 Southwest Florida International Airport Maintenance Facility Expansion, Lee County
 Alico Road Widening from East of Ben Hill Griffin Parkway to Airport Haul Road, Lee County
 Corkscrew Road Widening from Ben Hill Griffin Parkway to Alico Road, Lee County
 McGregor Boulevard Milling and Resurfacing, Lee County
 Culvert Crossing of Canal along SR 29 into the Kaicasa Development, Collier County
 Utility Operations Building Foundation Repair, Collier County
 Vanderbilt Beach Road (CR 862) Bicycle Lane Improvements, Collier County
 Sunshine Boulevard from 17th Avenue SW to Green Boulevard, Collier County
 City of Venice Well RO-08 Pipeline, Sarasota County
 Myakka River Deer Prairie Creek Hydrological and Wetland Restoration, Sarasota County
 City of North Port, Sumter Boulevard Utility Extension, Sarasota County
 Honore Court, Sarasota County
 Lake Sarasota Due Diligence, Sarasota County
 Hidden Creek, Sarasota County
 Lake Magdalene Drainage Improvements, Hillsborough County
 Ridge Road and Lemon Road Drainage Retrofit, Pasco County

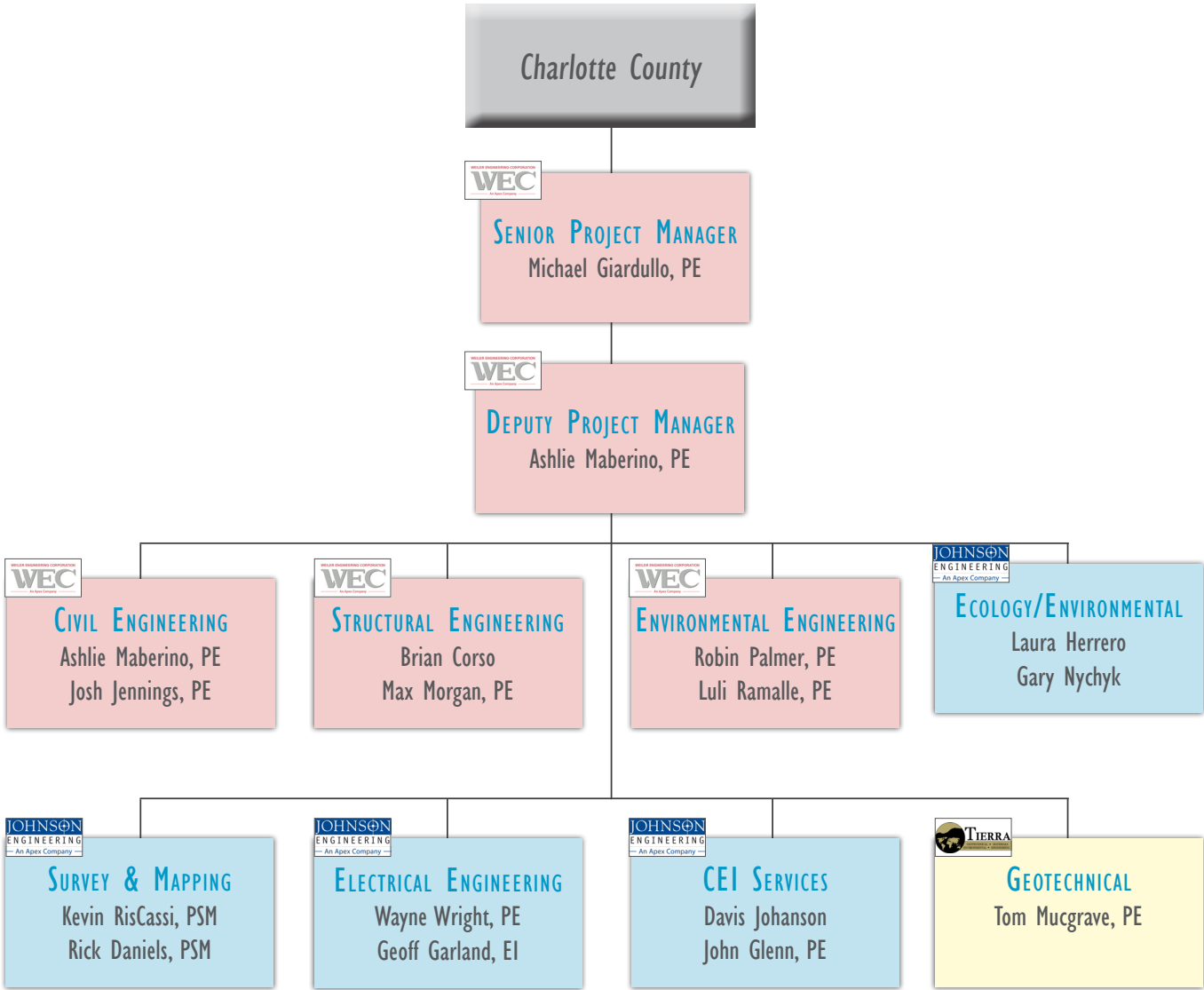
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WEC

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II. Proposed Management Plan

A. Team Organization



Team Organization Phases

Key Staff	Site Analysis/ Permitting	Schematic Design	Design Developments	Construction Documents	Construction Observation
Michael Giardullo, PE	X	X	X	X	X
Ashlie Maberino, PE	X	X	X	X	X
Brian Corso	X	X	X	X	X
Max Morgan, PE		X	X	X	X
Robin Palmer, PE		X	X		X
Laura Herrero	X	X	X		
Kevin RisCassi, PSM	X				
Wayne Wright, PE			X	X	
Davis Johanson					X

Our team is led by Michael Giardullo. Mr. Giardullo has performed many designs for Charlotte County involving repairs and replacement to coastal structures and has recently completed the design of the replacement of the seawall within Bayshore Like Oak Park. Due to WEC's ability to expedite permits and our fast tracking on design, coupled with fast reviews by Charlotte County staff, the design and permitting of this project was completed 4 ½ months ahead of schedule.

WEC prides itself on have an aggressive design and permitting time line and meets these objectives by have an in-house team who is not only is familiar with their individual responsibilities but has worked closely together on countless projects of similar nature. Individual responsibilities are shown below. With this team, we know we can achieve the results the County expects and has seen from WEC in the past.

B. Roles & Responsibilities of Participants

All of our team members as well as subconsultants, have worked together on various projects throughout Southwest Florida. Everyone involved is on board and aware of their specific responsibilities. The following graphic provides a brief description of the primary responsibilities for each particular position:

Senior Project Manager

Michael Giardullo, PE - Principal-In-Charge

- Oversee the entire project from initial design survey to construction completion
- Provide direction and maintain accountability of team members
- Assure proper communication and coordination amongst team members
- Assure proper resources and manpower is dedicated to the project

Deputy Project Manager

Ashlie Maberino, PE

- Assist the Project Manager and ensure communicate with the County is maintained
- Ensure that all needed staffing resources are dedicated to the project to ensure deliverables are provided on schedule
- Provide quality control and assurance reviews of all deliverables and permit submissions

Structural Engineering

Brian Corso & Max Morgan, PE

- Assist in the inspection and analysis of existing failed structures
- Determine methods to mitigate future damage and assist with cost analysis of alternates
- Assist in client coordination on alternative selection with relation to budget and mitigation funding
- Provide calculations, modeling for resilient design of structures

Civil Engineering

Ashlie Maberino, PE

- Produce the permit and construction plan set to include existing conditions, proposed conditions and structural details
- Create exhibits needed for complete regulatory permit application packages

Environmental Engineering

Robin Palmer, PE

- Coordinate with regulatory agencies prior to permit submission to review the activities and develop best approach to fast track permitting
- Review regulatory requirements and ensure application is tailored to specific Nationwide permits to aid in expedited processing
- Develop complete permit application with all information needed for review by agencies
- Maintain ongoing communication with review staff and respond to requests for additional information quickly

Ecology/Environmental

Laura Herrero

Johnson Engineering, LLC

- Perform necessary environmental assessments of the project area
- Spearhead environmental permitting
- Coordinate mitigation efforts

Survey & Mapping

Kevin RisCassi, PSM

Johnson Engineering, LLC

- Coordinate with design and environmental team to ensure all required data is field collected
- Schedule survey crews in a timely manner after notice to proceed
- Set reference points for construction
- Process field data into survey for design team use

Electrical Engineering

Wayne Wright, PE

Johnson Engineering, LLC

- Coordinate with civil and structural engineers to determine location of existing lighting and conduits to be replaced or repaired
- Specify lighting replacement
- Perform load calculations and wiring diagrams
- Produce specifications needed for construction in marine environment

CEI

Davis Johanson

- Assist the County with site inspections when requested
- Provide time submittal review
- Respond to requests for information from the contractor
- Review applications for payment from the contractor
- Ensure onsite construction activities are compliant with all permits

Geotechnical

Tom Musgrave, PE

Tierra, Inc.

- Identify potential unsuitable material
- Provide specialized analysis & testing as necessary

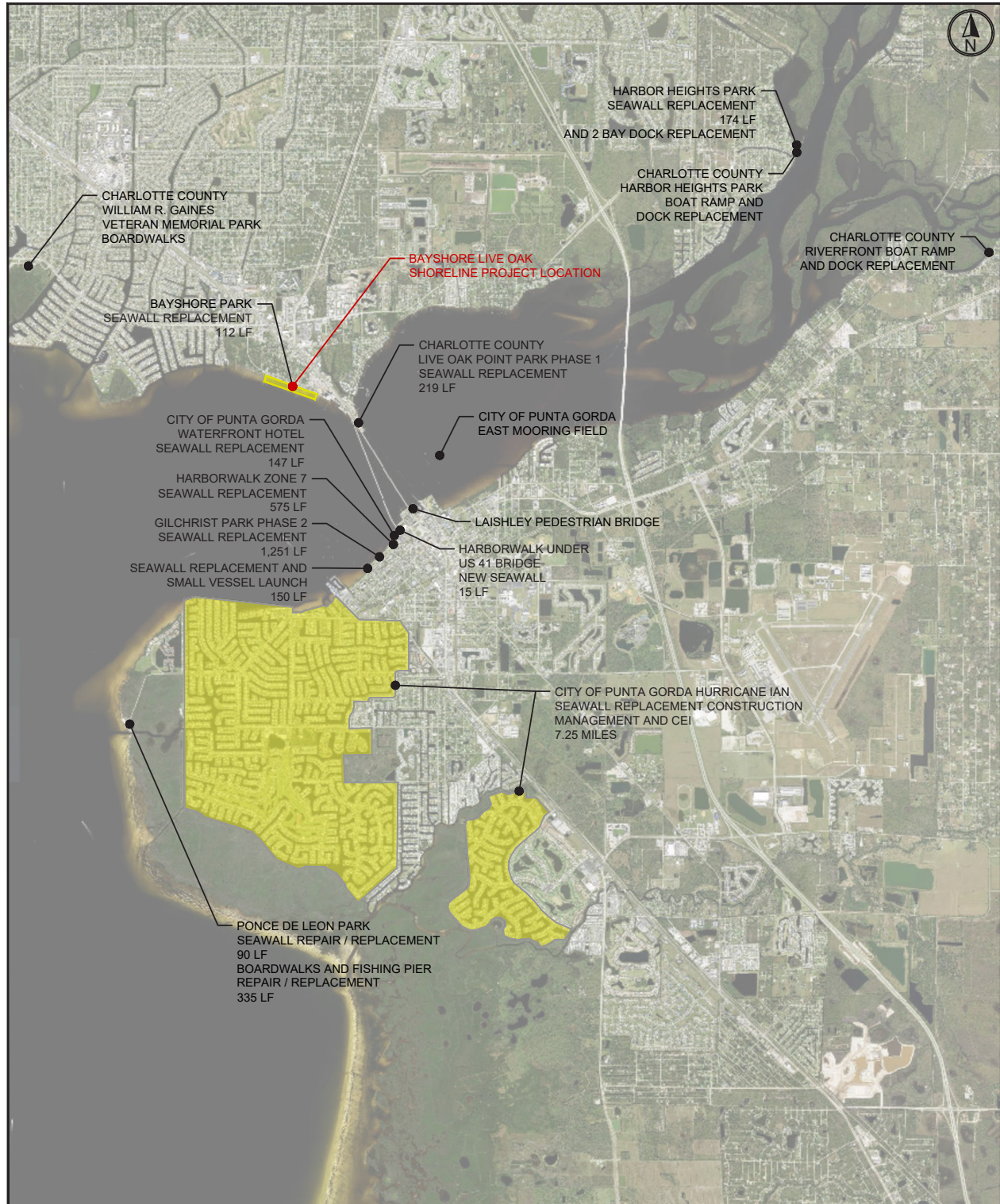
WEILER ENGINEERING CORPORATION



III. Previous Experience of Proposed Team

III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR PROJECT

Our team brings extensive marine engineering experience throughout Florida, with particular expertise in the Charlotte Harbor area. The illustration below highlights several similar local projects, all of which were successfully completed by the key individuals proposed for this project. This local knowledge not only streamlines the permitting process but also ensures the design and construction of resilient, long-lasting solutions capable of withstanding future damage. **The following pages show our relevant work history in more detail.**



III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR PROJECT

A-D. Relevant Work History

The Weiler Engineering Corporation (WEC) headquarters is located in Punta Gorda, Florida and has been serving Southwest Florida since 1993. WEC has provided structural and civil assessments and design alternatives for numerous clients from Key West to Tampa. These services include park concept design, civil site design, providing design alternatives, and recommendations related to safety, accessibility, maintenance, and resiliency of all components. Our clients have selected us for these services because of our reputation and unique experience and capabilities as we have complete civil and structural engineering departments in-house at WEC. Our firm is already familiar with the projects listed in this RFP and is very comfortable with completing the proposed improvements to the Live Oak Point Park Phase 2 Project.



Weiler Engineering has completed many similar projects in Southwest Florida. We are a leading firm in civil and structural engineering and have worked on many park and coastal projects. We understand the importance of the park layout, features, and amenities and how all these items are linked together. We recently completed the design and permitting for the Live Oak Point Park Phase 1 Improvements. Due to our previous experience with this park, our team is the right choice to continue the vision of the County for Phase 2.

WEC also has completed design and permitting facilities at other Charlotte County parks including improvements at G.C. Herring (Veterans Memorial Park), Harbor Heights Park, and the Charlotte Beach Complex. The following pages are a few example projects that show WEC's relevant project experience.



CHARLOTTE COUNTY

Live Oak Point Park Evaluation, Assessment, Design & Permitting



Weiler Engineering was contracted to evaluate the current conditions of the park damages from stormwater run-off and storm surge. Weiler Engineering also provided recommendations for future repairs while considering long term and short term effectiveness and environmentally focused options. The inspections took place over the course of three months to evaluate the continuing damages. WEC reviewed the record drawings received from SWFWMD to further evaluate the previous measures that were put in place to protect the area from erosion. The final report provided by WEC included the structural evaluation of the existing seawall, pedestrian pathway, and shoreline. WEC was able to provide several alternatives for each area that was evaluated at Live Oak Park including options of vegetative stabilization, vegetative reinforced soil slope, bank and shore rip-rap, steel sheet pile wall, and boardwalk. In addition to the evaluation, WEC also provided cost comparison analysis for each repair/ replacement option. WEC was then contacted to provide to provide design, permitting, and construction engineering inspection services for the park improvements. WEC obtained a Construction agreement from FDOT, a Consent Agreement from FPL, a Major Modification for an Environmental Resource Permit from SWFWMD and a Nationwide Permit 13 from ACOE. The ACOE permit was issued within 7 days of the application being submitted, including holidays.



III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR PROJECT

CHARLOTTE COUNTY

Bayshore Live Oak Point Park Seawall Replacement



Weiler Engineering was contracted to design, permit and provide construction Engineering and Inspection services for the Bayshore Live Oak Point Park Seawall Replacement project. This area of the park was severely damaged due to Hurricanes Helene and Milton. The seawall failed and cause the upland to wash out. The design included replacing 112 linear feet of seawall, 182 linear feet of upland retaining wall, bringing the stormwater management system back into compliance with the existing SWFWMD permit, and replacing the damaged sidewalk. A minor Modification not the existing Environmental Resource Permit was obtained through SWFWMD and a Nationwide Permit 13 was obtained through ACOE. WEC is currently in the process of finishing the 100% design documents for the County to go out to bid.



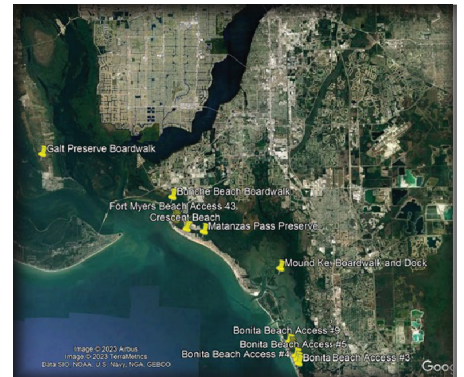
LEE COUNTY

Boardwalk Repairs



Johnson Engineering, in collaboration with Weiler Engineering (WEC), is leading the restoration of several boardwalks and dune crossovers across Lee County, addressing damage caused by Hurricane Ian. The FEMA-funded initiative focuses on restoring and enhancing public park and beach access points to improve both community use and long-term resilience.

The team is providing full-scope engineering services for the repair and replacement of six boardwalks and seven dune crossovers. This includes surveying, funding coordination, design, cost estimating, permitting review and assistance, as well as bidding support. The project is now entering the Construction Engineering and Inspection (CEI) phase, which involves submittal reviews, responses to Field Requests for Information (FRIs), on-site inspections, and close-out documentation.



To ensure structural resilience, multiple hardening methods were evaluated, and add-alternate options were presented to Lee County for consideration. The design integrates features that enhance durability and functionality over time.

Coordination has been ongoing with local jurisdictions, including the Town of Fort Myers Beach, particularly in regard to specific ordinances and concurrent beach renourishment efforts. Additionally, WEC and Johnson Engineering have played a key role in navigating regulatory processes, including CCCL (Coastal Construction Control Line), USACE (U.S. Army Corps of Engineers), and FDEP (Florida Department of Environmental Protection) permitting.

III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR PROJECT

PUNTA GORDA

Harbour Heights



Charlotte County received Marine Advisory Committee (MAC) funding for this pier project. Due to the grant funding timeline for encumbering funds, the project had a tight schedule. WEC was selected for the evaluation of repairs for these two existing day dock structures. In working on the proposal, WEC determined that the conditions of the existing piers warranted replacement due to severe rotting and worm damage of the existing pilings. WEC and Charlotte County agreed that replacement was in order. WEC served as the design builder sub-contracting the construction work to Marine Contracting Group. This was a unique arrangement for the County and WEC but proved to be an ideal method for completing construction quickly and encumbering grant funds in time. WEC was responsible for complete design including permitting through SWFWMD. WEC worked with SWFWMD to obtain State Programmatic approval resulting in an ACOE permit not being required which saved valuable time. WEC also provided construction administration and routine inspections throughout construction.



KEY LARGO

John Pennekamp Boardwalk: Bridge Repair



WEC worked with the Florida Department of Environmental Protection on 3 different projects at John Pennekamp Coral Reef State Park. WEC was contracted to evaluate and prepare repair plans for the existing restroom. It was later determined to be beyond repair and WEC prepared the design plans for the replacement restroom. The new restroom is approximately 2,250SF and elevated 10' above the ground in order to meet FEMA requirements. The restroom is access through a switch back ramp. WEC completed the civil, structural, and MEP work for this project. The third project was a pedestrian bridge repair project. This project entailed the replacement of an existing wooden bridge within the boardwalk trail through a mangrove wetland at John Pennekamp Coral Reef State Park. The pedestrian bridge and boardwalk were damaged during Hurricane Irma in 2017. WEC conducted a site visit to determine the scope of repairs that would be required. WEC designed a new bridge base/deck utilizing gun barrel piles laid horizontally on new piles. This design allowed for the bridge to be elevated a few inches above the existing elevation while not impacting the ADA slope requirements. The Water Management District permit required the construction to be completed by land, so WEC staff had to carefully design the bridge in a way in which land construction would be an option. Another challenge was that the existing boardwalk leading to the bridge was also heavily damaged in Hurricane Irma so it was impassable for workers to easily bring supplies to the bridge location. It was required that the new bridge be constructed without impacting the mangroves. Jeff Weiler, P.E. was the Engineer of Record for the design and Robin Palmer, E.I. was the Project Manager and Design Engineer in charge of permitting of the bridge repair. WEC obtained an Exemption from the South Florida Water Management District and a permit from the U.S Army Corp of Engineers.

III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR PROJECT

BIG PINE KEY

Bahia Honda State Park Sandspur Beach Campground



WEC was contracted by the FDEP BDC in 2018 for a third project at Bahia Honda State Park. This contract was to redesign an existing campground area within the State Park. The project area had 24 campsites intermingled in a sensitive coastal area. The civil department was responsible for the site layouts, providing ADA accessible campsites and access paths, and utilities. The structural department completed plans to remodel the existing bathhouse that sustained wind and water damage from Hurricane Irma. A new boardwalk was designed to provide a connection point from the campground out to the Sandspur Beach. Jeff Weiler, P.E., was the Engineer of Record and Robin Palmer, P.E. was the Project Manager and Design Engineer for the project. Weiler Engineering assisted the FDEP in obtaining an Emergency Order permit through the Water Management District. Similar to the Day Use Area at Bahia Honda Sandspur Beach, the campground site is a sensitive habitat. WEC coordinated with the local electric company on the electrical connection to the campsites, bathhouse, and lift station. New potable water lines were added within the campground area.

CHARLOTTE COUNTY

Ponce De Leon Seawall & Boardwalk Structural Assessment & Construction Documents

Weiler Engineering completed a full assessment of the existing seawall and provided a detailed report of the existing seawall conditions with recommendations for repairing, determining replacement of one segment, and extending the seawall length, based on the final assessment. The report included preliminary cost estimates for any proposed repairs and for full replacement. The report also included Seawall/Cap repair/replacement details, site plan showing limits of seawall and location of fishing pier, connection details of the fishing pier to the new and repaired seawall caps, and ADA compliant upgrades of the fishing pier at the transition from land. The deliverable included Engineer's Cost Estimate & Technical Specifications. Final design was included as part of additional phases. WEC delivered 100% Construction Plans and Final Construction Documents in June 2020.



Weiler Engineering completed a full assessment of the existing boardwalks and fishing piers. A detailed report of the existing boardwalks and fishing piers conditions with recommendations for repairing, including options for replacement within the existing footprint, were included with the final assessment. The report also included a preliminary cost estimate for proposed repairs or full replacement.



III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR PROJECT

CITY OF MARATHON **Assessment,** **Rehabilitation, &** **Improvements-33rd** **Street Boat Ramp** **Park & Dock**

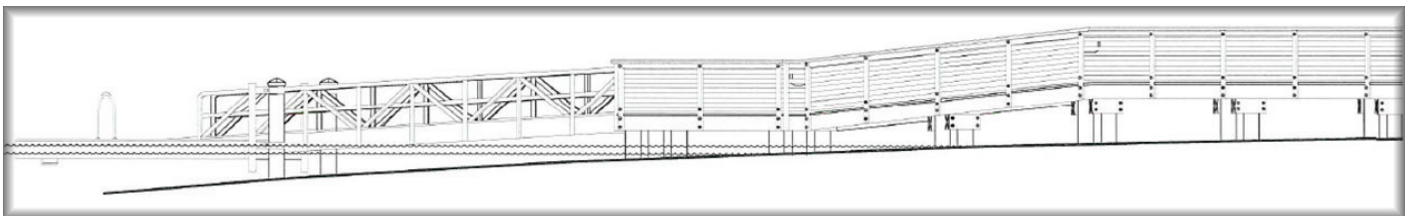
In addition to designing, permitting and securing the sovereign submerged land lease for the City of Marathon's largest boat ramp, WEC also inspected and assessed the existing conditions for the park's restroom facility, as well as seawall and dockage at the boat ramp. Based on the assessment, we were able to provide the design of the FDEP permitted stormwater management facility, the parking area and a rehabilitation of an existing restroom facility. Permitting of this facility took extensive coordination with the FDEP, the Army Corps of Engineers, the U.S. Coast Guard and the National Marine Sanctuary.



VILLAGE OF ISLAMORADA **Key Tree** **Cactus Preserve**



This project involved the design of a public, outdoor recreational area with an emphasis on conservation, protection, and enhancement of natural resources. This 8.5+/- acre site was designed to have two boardwalks through mangrove wetlands with a kayak launch and pavilion and several mulched trails through the upland hammock. The parcel is home to several clusters of the Endangered Key Tree Cactus (*Pilosocereus robinii*) and is one of the last remaining locations for the cactus. In 2009, The Conservation Fund partnered with the Village of Islamorada to preserve this land that is one of the last homes to the Key Tree Cactus. Some existing amenities were already present; however, WEC was contracted to design several major improvements to the site. WEC designed the trails, boardwalk, kayak launch, parking lot, and stormwater management system. The site was designed to allow recreational facilities without a significant impact to the environment. The trails were comprised of mulch to allow for a natural walking path that would weave among the existing trees in the hammock. A stormwater injection well was also designed and permitted to allow for the required water quality treatment associated with the development. Near the boardwalk and throughout the trails, educational signage was installed. Michael Giardullo, PE, was the Engineer of Record for the project. The site required three different permits from the South Florida Water Management District including an Individual ERP, General ERP, and Verification of Exemption. The project also required extensive permitting through the U.S. Army Corp of Engineers and U.S. Fish & Wildlife Service.



III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR PROJECT

COLLIER-SEMINOLE STATE PARK Dock, Boardwalk & Seawall Assessment & Alteration



Weiler Engineering provided civil and structural design for improvements at the Collier-Seminole State Park Boat Basin. An existing 520' seawall and wooden dock dating to the early 1960's at the Park's Boat Basin was in disrepair. WEC conducted and coordinated structural inspections including lead/asbestos testing of the existing facilities and provided a report of findings and recommendations for repairs and/or replacement of the seawall, and demolition of the wooden dock which was beyond repair. WEC also provided design improvements, to include a floating dock with gangway, seawall improvements, an ADA accessible fishing platform at the site, and an ADA accessible kayak launch with parking. WEC also provided improvements to upland facilities including revisions to the parking, additions of ADA spaces, and addition of a 483' sidewalk with handrail incorporated into seawall. Due to WEC's structural assessment and findings related to the dock, boardwalk, and seawall, FDEP was able to avoid complete replacement, in favor of a much less costly repair and rehabilitation recommended by WEC. These recommendations proved sound, as the existing seawall recently survived a direct landfall by Irma with no damage.



DESOTO COUNTY Morgan Park Riverbank Erosion Restoration



WEC was tasked with the design and permitting of 372 linear of shoreline stabilization along a curve in the Peace River which treated the only entrance to DeSoto County's Morgan park. The problem was greatly exacerbated by Hurricane Irma. The County received funding through the National Resource Conservation Service with a tight time frame. WEC was authorized to proceed in June of 2018, applied for ACOE and FDEP permits within one month and worked with the County to fast track the bidding. Construction began in October of 2018 and is currently on track to be complete by the January 21, 2019 final completion date. WEC also provided full construction administration and inspection for this work. The project includes 372 linear feet of 30' and 20' steel sheet piling with concrete cap, 2000 tons of rip rap, and upland improvements. The work is waterward of the ordinary high water line / safe upland limit line and was under heavy scrutiny from the regulatory agencies for environmental impacts.



III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR PROJECT

STOCK ISLAND

Stock Island Marina Village



Stock Island Marina Village is the largest deep-water marina in the Florida Keys, with 220 slips that can accommodate vessels up to 300 feet, advanced concrete floating docks and land piers, water, in-slip pump-out, fueling facilities, and much more. WEC was able to obtain the largest Clean Vessel Act Grant issued in the state of Florida in the amount of \$1,200,000 (75% of construction cost) for the in-slip pump out services provided for each slip.

The permitting of this marina brought many challenges due to the fact that the proposed development would increase the existing number of slips and add fuel facilities to Safe Harbor which is recognized and monitored for its degrading water quality. A full environmental assessment of the waterway was required which involved obtaining a benthic survey and reviewing the pre- versus post-development environmental impacts. In order to improve water quality WEC designed an in-slip vacuum sewer system for waste disposal and proper fueling facilities per FDEP standards and obtained a CVA Grant for the construction.

WEC also provided design and structural engineering for the Captain's Lounge, which serves as a ship store with an upstairs lounge, and the check-in point for boats entering the marina for fueling and docking facilities.

The fuel pump system provided at this marina alone is impressive. It is the fastest fueling system located in the Keys. It houses 60,000 gallons of fuel pumping at a maximum rate of 80 GPM for diesel and 28 GPM for gasoline.



III. PREVIOUS EXPERIENCE OF TEAM PROPOSED FOR PROJECT

References

Project: DeSoto Veterans Memorial Park Boat Ramp
Name: Tara Anderson
Company: DeSoto County Board of County Commissioners
Title: Parks and Recreation Director
Email: m.hines@desotobocc.com
Phone Number: 863-491-7507
Company: Weiler Engineering

Project: Ponce De Leon Park Boardwalks
Name: Mitchell Austin
Company: City of Punta Gorda
Title: Former Urban Design Manager
Email: mitchell.austin@citynmb.com
Phone Number: 305-948-2966
Company: Weiler Engineering

Project: Morgan Park Riverbank Erosion Project
Name: Mandy Hines
Company: DeSoto County Board of County Commissioners
Title: County Administrator
Email: mitchell.austin@citynmb.com
Phone Number: 305-948-2966
Company: Weiler Engineering

Project: Live Oak Point Phase 1
Name: Lonne Moore
Company: Charlotte County Board of County Commissioners
Title: Project Manager
Email: Lonne.Moore@charlottecountyfl.gov
Phone Number: 941-613-3237
Company: Weiler Engineering

Project: William R. Gaines Veterans Memorial Park Boardwalks
Name: Lacey Solomon
Company: Charlotte County Board of County Commissioners
Title: Project Manager
Email: Lacey.Solomon@charlottecountyfl.gov
Phone Number: 941-613-3238
Company: Weiler Engineering

Project: Perry Marina Key West (Formerly Stock Island Marina Village)
Name: Connor Potts
Company: Intergra Marina
Title: Head of Investments
Email: cpotts@integramarinas.com
Phone Number: 915-637-2528
Company: Weiler Engineering

Project: Lee County Boardwalks
Name: Ashley Koze, PE
Company: Lee County
Title: Operations Manager
Email: akoza@leegov.com
Phone Number: 239-533-8303
Company: Johnson Engineering



IV. Project Control

A. Schedule

1. Techniques planned to assure schedule is met

WEC has been involved in many similar projects in and around Charlotte County. The two main components that affect the schedule on a project like this are the permitting component and the FEMA involvement. WEC has developed expertise in these areas as they relate to coastal projects and has developed proven strategies for success.

Our goal is to always be moving. During the survey, we will be producing the schematic design concurrently. We will expedite the 60% deliverable which is the minimum needed for regulatory submission, to accelerate the permit process. During regulatory review we will advance the plans to the 90% level for County review so when permits are issued, construction documents can be quickly delivered. This is the same approach we used for the recently completed seawall replacement project at Bayshore Live Oak Park where we delivered the final documents **4 ½ months ahead of schedule.**

Expediting Permitting Processes

Typically, the longest review period for in-water work comes from the federal review by the Army Corps of Engineers. Where possible, projects may be able to avoid Army Corps Jurisdiction by avoiding surface water and wetland impacts; however, in this case, it is assumed that the Army Corps permitting will be required as the project will affect the mean high-water line. Recently, WEC was successful at obtaining the seawall replacement permit for three locations within the Live Oak Point Park project permitted by Army Corps in as few as seven days. While this is atypical, there are numerous methods WEC has implemented in order to expedite the Army Corps review process.

- ◇ **Scheduling of pre-application early on in the design phase** - Currently Army Corps pre-app meetings are taking in excess of one month to schedule. Requesting these from day 1 will expedite the scheduling and the meeting will help bring the reviewer and the design team in coordination.
- ◇ **Understanding the requirements of the appropriate Nationwide Permit** – Nationwide permitting authorization may change over time, and it is important to understand the activities that are authorized under various permits. Examples pertinent to this project include:
 - Limitations on the resulting modification to the mean high-water line by clearly demonstrating that the new seawall will be at the same location or if needed, within 18-inches waterward of the existing.
 - Limiting adverse effects to mangroves by specifying overstory trimming only and no proprop damage.
 - Implementation of adequate turbidity control and monitoring requirements into the Contract Plans.
- ◇ **Early submission of permit application** – Designs do not need to be at 60 to 90 percent detail level for Army Corps review and approval. Too much detail can bog down the review process. ACOE is not interested in much detail in the upland improvements, the reinforcing steel in the wall and cap, the seawall embedment or the tie back system. Basic plans showing the location of the wall in relation to the existing wall and MHWE and wetlands, the general type of seawall, mangrove trimming if needed and the allowable installation methods are typically sufficient. Special details can be developed around the 30% plan level to allow for submission of permit application earlier in the process than is often done.

This project will also require a major modification of the existing Southwest Florida Water Management District Environmental Resource Permit which WEC recently performed for the Phase 1 project. These permits are subject to state mandated review times, many of the same strategies can be implemented to accelerate the permitting time frame. Early pre-application meeting, understanding the elements required for review, submission of permit

applications early, coordination with Environmental Reviewers for the required site visit, and complete application packages are all strategies that aid in consolidating the review time of the project.

FEMA Involvement

Through 14 years of serving as DeSoto County's Engineering Consultant, Mike Giardullo and WEC have developed a unique understanding of the intricacies of FEMA funding projects. Recently, through post event coordination from Hurricane Irma, Hurricane Ian and Hurricane Idalia, WEC has developed a working **knowledge of FEMA processes**. From the day following Hurricane Ian, WEC staff assisted in staffing the County's EOC, provided **detailed damage assessments**, wrote mission requests, and coordinated with FEMA staff. Our team worked with FEMA to assist in emergency contracting of roadway bridge repairs. We then met with FEMA's PDGM and other representatives to perform site visits to agree to damage often coordinating with representatives for the **mitigation** and helped get funding for numerous projects including roadway repairs, bridge repairs, culvert crossings, and building repairs. Over time we have worked with FEMA throughout the process to ensure the design efforts comply with their requirements, aiding in the procurement of contractors and documenting construction activities. To date, WEC has provided **Construction Management and CEI services for over 7.25 miles of seawalls replaced by the City of Punta Gorda**. One of our primary responsibilities is to ensure the required documentation is in place to **secure reimbursement from FEMA**.

Weiler Engineering relies on communication and effective leadership to reach our goal of completing a project on time and within budget. Our project manager and project team are committed to using these tools to ensure the success of such projects.

The design of the repairs and our Approach project is comprised of multi-disciplinary tasks, civil engineering, surveying, structural design, and environmental consulting, that will need to be coordinated. We know and understand the need to carefully plan and keep the task schedule for sequencing in order to achieve a cohesive project. The importance of sequencing applies to both design and permitting and the construction schedule.

- ◇ **Kick off Meeting with Charlotte County & Stakeholders** - The first step we must take is to meet with Charlotte County to collaborate on a project schedule. During this meeting we will discuss the stakeholder's expectations, goals, budgets, permits, constraints, and any other factors or information our team needs to make this project successful. Once all parties convey all the peripheral elements of the project, we can begin to plan and implement a realistic and workable schedule. Effective project schedules are created by determining each task required for the project, what resources are necessary to complete the task and how to execute each task. The task list is then prioritized with the interdependencies between the tasks identified and documented within the proposed project schedule. The initial schedule is an estimate which is continually updated as each task is completed and as information affecting the task completion dates is received. Our team for this project is built on the principle that each task group working will have responsibility in completing their portion of the task accurately and on time, but our team management is organized so that communication between work groups will be on-going at every step.
- ◇ **Progress Meetings with Charlotte County** - Charlotte County staff and our team will have appropriate planning and progress meetings to review the schedule, issues, calculations, plans, deliverables, permits, etc. The time, frequency, and place of these meetings will be determined when the initial project schedule is made and adjusted as needed. It is our experience that these meetings occur more frequently at project kick-off and towards the completion of the project. Minutes are kept and distributed with notes, statements, direction, and adjustments as needed.
- ◇ **Monthly Status Reports** - We will make it a priority to issue monthly progress reports with an updated project schedule, regardless of the amount of activity, to ensure open dialogue with the County and regulatory agencies. This technique will prove valuable to the County as they keep the residents and businesses in the area updated on the project status. The reports will include the status of each task and any issues that might be of concern to the overall schedule.

- ◇ **Simultaneous Scheduling** - Having a robust team of professionals and resources like ours; we propose having teams working together including survey crews, experienced CAD teams, and will utilize simultaneous permitting applications to assure scheduling is on-point. Being able to take advantage of multi-tasking different disciplines in the early stages will save time when the project is nearly complete. Each task for this project requires a broad range of time for design and permitting. However, it is important to also make sure each step is completed in sync with the other tasks, so no redesign or conflicts occur during the process.
- ◇ **Quality Control** - Our project teams have internal controls to keep the resources and goals of each project focused and scheduled. These reviews and meetings allow us to analyze each task and work out critical issues and constraints, and level or supplement resources. Senior professionals in the company conduct independent peer reviews and critiques.
- ◇ **Other Agency or Utilities Coordination** - Our team often works on projects in which coordination must be done with non-Charlotte County agencies and/or private utilities. Not coordinating with some of these entities can cause significant delays to a project. We will cross-coordinate with these entities to ensure no delays occur. We have relationships (and contact information) with the field personnel and management of these entities and will maintain constant updating and contact throughout the project.

2. Parties Responsible for Adherence to Schedule

Our team has worked with Charlotte County on numerous projects and understands the needs and wants of the County. As the project manager between Charlotte County and the project team, I will ensure these techniques are used to keep the project on schedule and on-task. Our philosophy is “say what you are going to do, do what you say”. I am regularly available, and in the event, I am not, Ashlie Maberino will be available. We intend to meet our schedule, if any issues arise, such as permitting delays, we will be in immediate coordination with the County.

B. Cost

1. What Control Techniques are Planned?

WEC has served as the DeSoto County Engineer since 2011 and for over 14 years, we have assisted the County in providing support in recovering from Disaster events. Through our experience working directly with FEMA immediately after storm events and in the years following as we go through the recovery process, we have developed expertise in FEMA funding that most consultants don't have the opportunity to generate. Cost is critical to the FEMA funding process. Understanding actual costs early on, developing scopes based on these costs and designing projects which will be bid consistent with the cost estimates is an important part of completing projects on time and getting reimbursed by FEMA.

As the Project Manager, Michael Giardullo will be responsible for cost control and will utilize his expertise on similar projects to ensure each task is completed and designed to the appropriate budget and scope. Cost control techniques utilized in project management by Weiler Engineering include

- ◇ **Understanding of Scope** - The scope of services defines the County's objectives and our services. In the scoping meeting, we will work with the County to lay out the scope of work. This becomes the binding document upon which budget, schedule and quality are based. We will be monitoring the scope, which in turn means we will be monitoring costs and schedule.
- ◇ **Schedule** - The technique of controlling costs through the schedule is important. Time or cost constraints will not be allowed to compromise quality. Realistic schedules will allow WEC to manage resources and team members to address the project appropriately.

- ◇ **Cost Database** - WEC has designed numerous boardwalk projects within Charlotte County and the surrounding areas. Our most recent projects in Charlotte County include Ponce De Leon Boardwalk and Park Redesign and Gasparilla Island State Park Boardwalk. We have and continue to gather bid prices for projects in Charlotte County and surrounding areas to assist with providing an accurate cost estimate. We have started a cost database that consists of these bid prices, FDOT historical costs, and RSMeans data.
- ◇ **Past Experience and Alternative Methods** – WEC’s past experience with pier repair projects include many projects throughout Charlotte County, surrounding counties, and the Florida Keys. We have provided design and estimates for different design alternatives for pier repair projects including traditional pressure treated, HDPE, FRP, and aluminum options. Our past experience has allowed us to develop strong working relationships with many local marine contractors. These relationships allow us to seek input on our designs for constructability and cost effectiveness from companies who install such seawall systems regularly.
- ◇ **Construction Management** - Strict quality control during design and accurate specifications are key factors in minimizing change order claims. To help maintain the contracted budget our Construction Manager and Inspector are experienced with current construction techniques and will assist in reviewing the project to identify any necessary design modifications. Each task member understands the importance of providing high quality documents so there are not any issues during construction and no additional costs.

2. Ability to Meet Project Cost Control

The above-cost control techniques will help our team stay within the negotiated cost for the design and permitting of the project as well as the construction budget. We take pride in our ability to fairly scope out a project, negotiate a fee, and stay within our budget to deliver the project to the expectations of the client. On occasion, there are projects which require a slight change in design direction once it has started due to unforeseen circumstances or to accommodate a stakeholder. Even during these types of changes, we have been able to accommodate the staff’s request at no additional design cost or change of scope for the project. Our team has performed projects for the County and other local government agencies utilizing these techniques successfully. Whether it was the Harbor Heights Day Docks or Seawall Replacement or the recently bid Riverside Boat Ramp project; our team members have consistently demonstrated the ability to meet project cost controls while maintaining a high-quality project through design and construction.

3. Who Will be Responsible for Cost Control?

Like schedule control, every team member is responsible for cost control. It needs to be a constant concern, something in the back of everyone’s mind. Ashlie and I will work together to ensure cost is held paramount throughout the design process. Putting it down on paper is one thing, being able to construct it for a reasonable cost is another. Fortunately, WEC has engineered many marine projects in and around Charlotte Harbor and we maintain a database on similar recently completed work which we use to accurately understand project construction costs early in the design process.

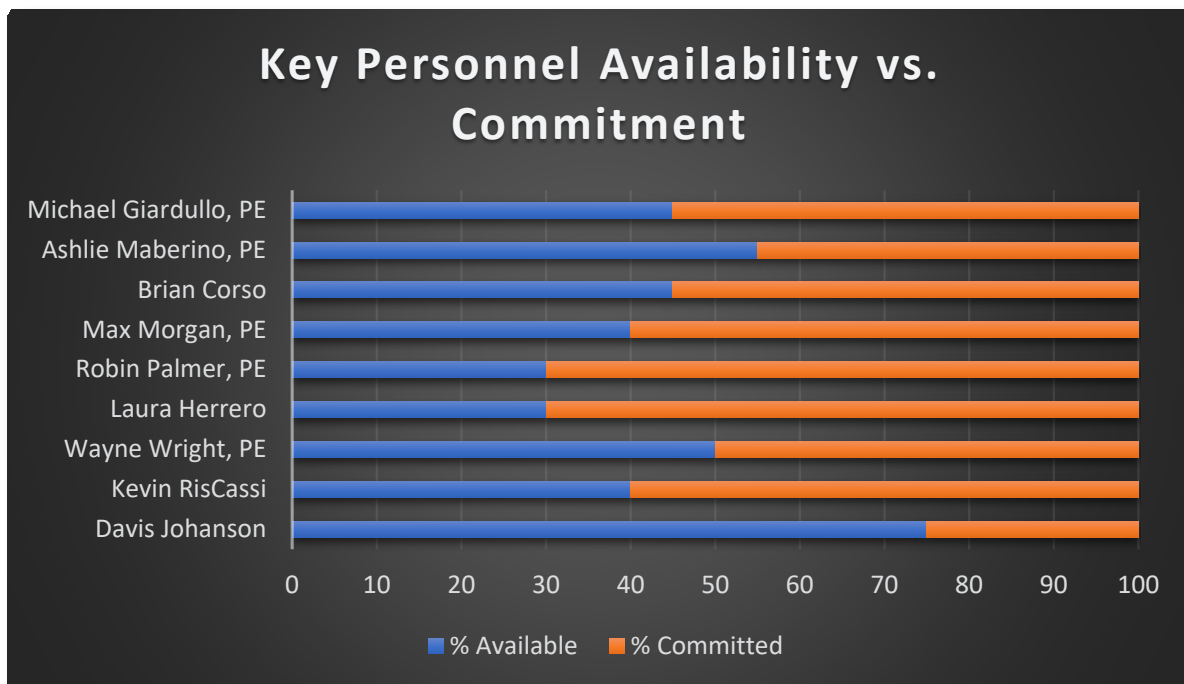
C. Recent, Current, and Proposed Workload

Charlotte County has entrusted us with many projects, many of which the key project individuals are not engaging in heavy workload for example:

- Bayshore Live Oak Park Seawall - Final construction, bid documents including all permits have been delivered.
- Riverside Boat Ramp - Design is complete, project has been award for construction.
- William R. Gaines is an active project, but the design is complete. Phase 1 construction is complete, and Phase 2 will go sometime in the future.
- Darst Park Improvements - This project is currently in the final phases of design and permitting. Once the Army Corps permit is obtained, Final plans will be issued.
- Port Charlotte Boat Ramp A - Survey and Geotech has been completed 60% design and permit application documents are anticipated to be delivered to the County very shortly.

The timing for this project is perfect. With the recent completion of the City of Punta Gorda Seawall Project, we have the bandwidth to ensure the needs of the County and the residents that use the park and that our Approach are met. The chart below depicts the availability of key staff members from WEC. In addition to the people listed below, there is additional office staff available to complete the project within the allocated timeframe to maintain efficiency throughout the completion of the project.

Our team will devote the time needed to get this project done as fast as possible. There may be times when we need to focus 100% on this project like if we get an RAI, but generally, it will not take our team 100% of our day to complete. This project will not cause a work overload that would affect this project or our ability to handle current or future work.





V. Proposed Design Approach

A. Design Methodology

WEC is intimately familiar with Bayshore Live Oak Park through our past assessments and design work. Recently, we have performed the following:

- ◇ Post Hurricane Irma (September 2017) pre-LOI site visit assessments – December 2018, February 2019
- ◇ Post Hurricane Ian (September 2022) & Idalia (August 2023) – Level 1 and level 2 inspections, reports, and hardening recommendations for Charlotte County via CSA Consulting Group – February, April 2024
- ◇ Post Hurricane Helene (September 2024) & Milton (October 2024) revision to level 2 inspection report – October 2024
- ◇ Seawall at Bayshore Live Oak (February 2025) – inspections and design of seawall, retaining walls, stormwater, and hardscape at elevated restroom – Plans delivered to County in October of 2025, pending construction

Through our past experience on this site including more than a dozen site inspections for multiple projects we have developed an understanding of the issues with the shoreline stabilization, the piers, bridge, ramp, seawalls, and upland features. Through our experience in designing similar coastal hardening improvements and repairs, we have become experts at analyzing alternatives and providing mitigation strategies that add resiliency to the design. Through our extensive FEMA involvement, we have found that in some instances we are able to add resiliency to projects even when mitigation specific funding is not provided, such as by adding low cost improvements, code compliance upgrades, and using innovative design techniques in the project scopes.



Selections of Alternatives

WEC has thoroughly evaluated multiple restoration options for the east pier, the pedestrian bridge, seawalls, gravity wall, parking lots, sidewalks, outfall structures, and other upland features. The options considered leverage extensive inspection findings alongside our broad experience in designing and rehabilitating waterfront structures throughout South Florida and range from a minimal patch-and-preserve approach, which involves selective replacement of visibly deteriorated components, to a comprehensive in-kind replacement. In order to determine the optimal desired method, WEC recommends the following steps which we will perform simultaneously with the survey phase.

- ◇ Review existing plans to for embedment depth
- ◇ Review previously prepared geotechnical studies

- ◇ Calculate the effective embedment depth with regards to storm surge, wave action, and scour
- ◇ If embedment is deep enough to exceed current code minimums, WEC will inspect each piling by boat to quantify and mark those requiring replacement or repair (about 15% of the east pier wood piles per prior testing) and those requiring new pile wrap or straightening
- ◇ Perform rebound hammer testing to evaluate structural integrity of concrete gravity wall, seawalls, and caps

If a complete replacement of any of the site features is warranted and funded by FEMA WEC will provide a cost-benefit analysis of alternative methods with consideration for resiliency hardening.

Where complete replacement is not being funded by FEMA and where piles or other components can be reused, WEC will prepare a cost-benefit analysis for replacement versus repairs of the component parts such as the walls, pilings, seawall caps, and guards. Alternatives which would be more likely to withstand a future storm event will also be presented for consideration of cost and longevity.



Proposed Scope Of Work and Recommendations

WEC has assessed the existing conditions of both the in-water structures and upland structures and have re-visited the site multiple times this year as well to review the additional damages. WEC has provided detailed structural inspections previously and have assessed multiple options for reconstruction, replacement, or hardening. Based on the findings, a targeted and professional restoration strategy has been developed to address observed deficiencies, improve structural performance, and preserve the character of the park. The following scope outlines the recommended course of action to ensure a durable, code-compliant, and community-serving rehabilitation.

- **Structural Rehabilitation and Replacement**

Deteriorated or non-compliant structural components, including but not limited to the gravity wall at the east parking lot, damaged seawall panels and seawall cap, outfall structures, bridge, and east, are to be removed and replaced. All replacement materials will be selected for their durability and marine compatibility, including high strength concrete, pressure-treated marine-grade timber and, where advantageous, FRP, HDPE, or Aluminum components. In-kind replacement will be utilized where feasible to maintain the aesthetic appearance of the structures while enhancing overall structural integrity.

- **Concrete Spalling Repairs**

Concrete seawalls, caps, gravity walls, and sidewalks that are not slated for replacement will be thoroughly analyzed for structural defects and spalling repair procedures will be detailed for restoration of minor damages. A penetrating epoxy coating, as well as admixtures and other considerations for concrete

hardening will be presented to the County for consideration regarding additional up-front cost versus longevity and reduced maintenance costs.

- **Installation of Pile Repairs**

Remaining piles that retain structural viability but need repair, will be reinforced using protective concrete jacketing systems or epoxy-impregnated fiberglass wraps. These measures are intended to reduce repair cost and prolong the functional lifespan of the structures while preserving its visual and architectural form.

- **Guardrail and ADA Compliance Upgrades**

All guardrails and handrails will be reconstructed in accordance with the Florida Building Code (FBC) and Americans with Disabilities Act (ADA) standards. Corrections will be made to railing height, spacing, and support stability to ensure user safety. New guards will be surface mounted to allow for ease of maintenance or replacement in the future. Transitions from the handicap parking to the pier and other sidewalks will be evaluated and, where necessary, re-graded or reconstructed to provide fully barrier-free access for individuals with mobility impairments. Undermined sidewalks will also be removed and replaced as needed or repaired where possible.

- **Decking Replacement and Surface Restoration**

Complete replacement of all existing decking will be carried out using slip-resistant materials such as pressure-treated deck boards, timber, aluminum, or HDPE decking. These materials provide the required weather resistance, structural performance, and minimal maintenance requirements. ADA compliant transitions to adjacent sidewalks will be detailed to ensure compliance and safety.

- **Parking lot asphalt, striping, and signage**

All parking lots where significantly damaged by hurricane action and debris will be repaired via milling and resurfacing. New striping will be applied and parking signage repaired or replaced as needed.

- **Utility Infrastructure**

The FDC water service from the fire hydrant out onto the replacement pier will be analyzed and repaired or replaced as required where still remaining on the upland, and rebuilt where extending out onto the east pier. Lighting previously existed on the east pier as well and will be redesigned to provide pedestrian safety during early morning and late evening fishing. The conduit design will be appropriate for the marine environment which is subject to flooding from wave action and surge as well as constant salt corrosion. Near to the east pier the electric panel will need to be re-mounted and repaired as necessary to re-establish service.

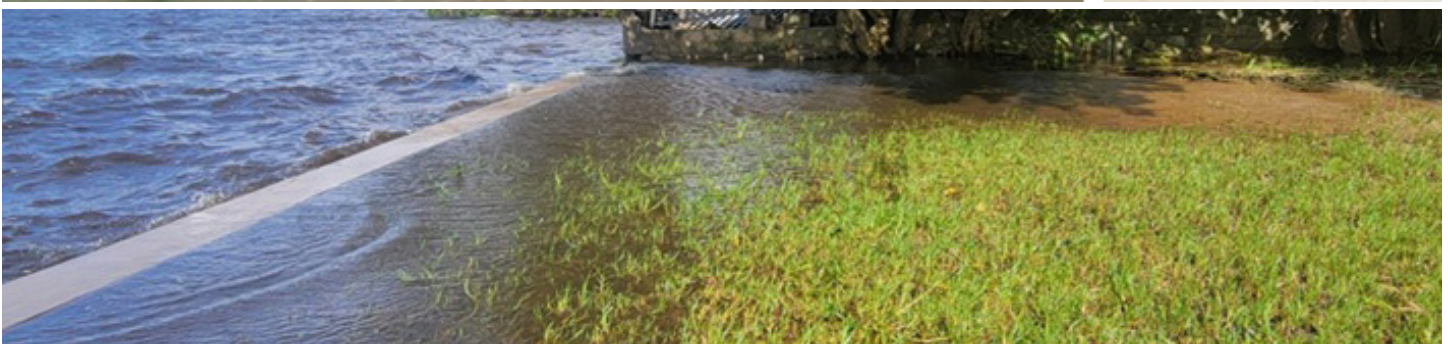
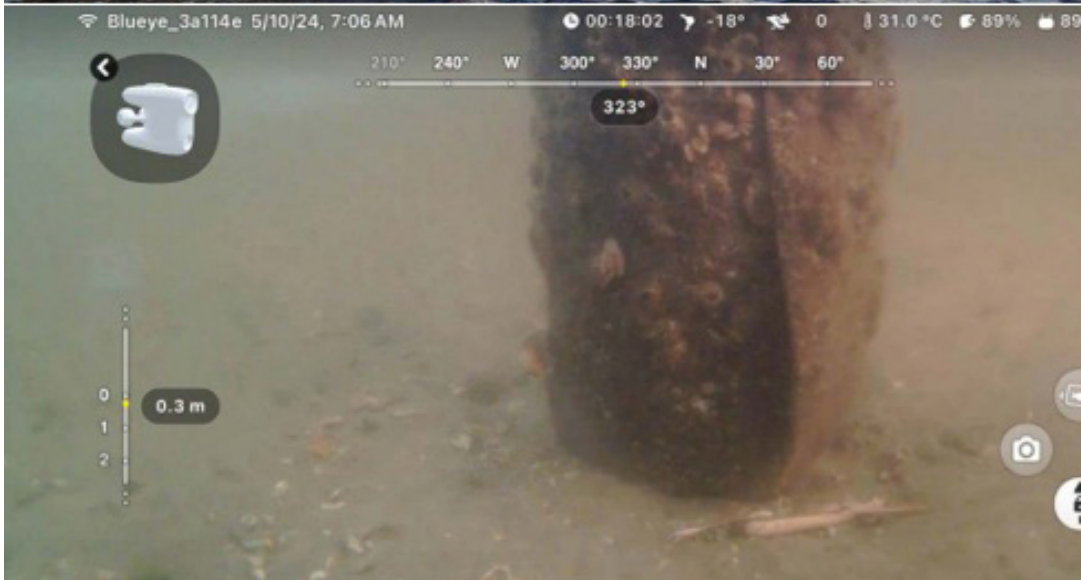
- **Regulatory Coordination and Permitting**

All proposed work will be coordinated with the appropriate regulatory agencies, including the Southwest Florida Water Management District (SWFWMD), the U.S. Army Corps of Engineers (USACE), Florida Department of Environmental Protection (FDEP) and applicable local permitting authorities. WEC will prepare and submit required documentation, leveraging its extensive experience with coastal and marine regulatory compliance to support efficient project approval and execution.



Phasing

The Bayshore Live Oak Park has suffered extensive scour, impact, and wave action damage from multiple hurricanes rendering the amenities unusable and compromising safety. Initial work includes securing permits, surveys, and site preparation. Severely damaged components will be removed, with salvageable materials preserved and reinforced where able. Restoration can be completed in phased steps to address these issues efficiently while minimizing public disruption. If the County prefers, plans can be prepared in a manner to allow for a majority of the site amenities to be repaired and made accessible to the public in advance of in-water work which will take longer to permit and bring to completion. Parking areas, sidewalks, guardrails and other accessibility features can be reconstructed first, prior to larger tasks and tasks that require more extensive federal and state approval. The pedestrian bridge, east parking lot, and kayak launch could possibly also be repaired with phased plans if County prefers to have some portions of the park open to public sooner than project completion. Substantial completion and final inspections of all components will be performed at the end of the construction phase to ensure good workmanship, adherence to plans, and adherence to code, statutes, and regulations. The project in total is anticipated to take as long as twelve to twenty months.



B. Anticipated Problems

WEC anticipates a few potential challenges during the restoration of the Bayshore Live Oak Park. One of the primary concerns is always concealed structural deterioration that may become evident only after selective demolition has begun. As the pedestrian bridge and east pier are to be re-built there is not much concern of this regarding the wood structures, but the sidewalk and ribbon curbs do show significant undermining which may cause more concrete sidewalk to be replaced than is visually evident. Additionally, FEMA funding may or may not cover some components such as the gravity wall at the east parking lot which does not appear to have been significantly disturbed by the hurricanes but is showing severe spalling and should be replaced prior to repairing the sidewalk and parking lot which it protects and supports.

The amphitheater space as well as upland knee-wall that was damaged may also be outside of the initial DDD report and require additional FEMA coordination to receive funding to repair.

Permitting may present some challenges as different permit types are needed for different components located on the same address. ACOE does not like different concurrent open permits on the same address and may give specific guidance on how they want to see the process completed. Furthermore, many of the amenities are located within a coastal and environmentally sensitive area, within the Charlotte Harbor Preserve, and adjacent to mangroves and possibly other protected species.

The public will also likely be a challenge on this project as trespassing onto the worksite may increase as certain amenities are opened to the public in phases. The park is in high demand and pressure may be applied to the County and WEC to expedite its opening challenging quality assurance and surety. If phased construction is done, maintaining public safety and minimizing access disruptions will require proactive communication, detailed scheduling, and strict on-site safety management. WEC will address these anticipated challenges through adaptive construction planning, close coordination with regulatory agencies, and a responsive field management approach.

Problem	Solution
Concealed Undermining	Flexible details for sidewalk repairs and itemized bid-tab quantities
Funding Coverage	Provide detailed justification for replacement or repair of necessary components
Permitting Challenges	Early pre-app meetings and submitting for regulatory permits at first opportunity
Site Access	Minimize portions being opened to the public early and provide clear MOT. Provide full construction fence delineation at areas being repaired.

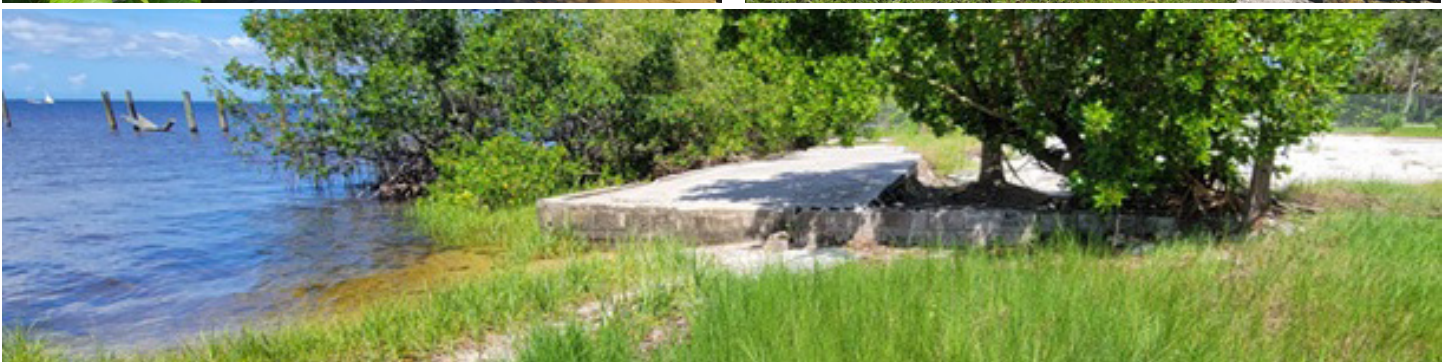
C. Innovative Approaches

- ◇ **Fiber-Reinforced Polymer (FRP) Jacketing** - Applying FRP jackets externally to wood piles increases flexural strength and durability while being corrosion resistant in the marine environment.
- ◇ **Hybrid Composite Repair** - Combining epoxy injection with fiberglass reinforcement wraps strengthens cracked or damaged wood and concrete piles. This hybrid approach restores structural performance while minimizing added weight and preserving original geometry.
- ◇ **High-Performance Concrete Overlays** - Applying thin overlays of ultra-high-performance concrete (UHPC) on precast surfaces improves abrasion resistance and waterproofing while adding minimal thickness.

V. PROPOSED DESIGN APPROACH

- ◇ **Sealant and Joint Waterproofing Systems** - High-performance sealants and flexible joint fillers protect precast concrete joints from water intrusion, preventing freeze-thaw and saltwater damage.
- ◇ **High-Performance Admixtures** - Applying admixtures specifically for salt-water exposure can reduce spalling and increase life-span significantly for minimal added cost. Useful for seawall cap replacement.
- ◇ **Penetrating Epoxy Coatings** - Applying epoxy coatings specifically for salt-water exposure can reduce spalling and increase life-span significantly for minimal added cost. Useful for seawall cap and gravity wall repairs.
- ◇ **Epoxy-Coated Steel Brackets** - Replacing corroded 304 steel brackets with epoxy-coated where funding for 316 stainless steel brackets is not available can reduce corrosion risk and extend the lifespan of guardrail connections.
- ◇ **Zinc Anode Cathodic Protection** - Installing zinc sacrificial anodes near steel brackets helps prevent corrosion, especially beneficial for the saltwater-exposed DIP fire water supply line on the pier.
- ◇ **Pre-Fabricating Guardrails and Framing** - Both the aluminum and wood guardrails can be pre-fabricated in sections off-site to increase installation speed and improve quality control. The pedestrian bridge and segments of the east pier framing can also be pre-fabricated off-site if the Contractor expects it will be beneficial to their construction timeframe.
- ◇ **Mangrove Seawall Panel Veneer** - Mangrove patterned seawall veneer panels can be installed onto existing or new precast seawalls to help promote mangrove growth as to provide habitat for sea-birds and aquatic species.
- ◇ **Real-Time Structural Health Monitoring** - Embedding sensors in precast or timber elements allows continuous monitoring of structural integrity, enabling targeted maintenance before serious damage occurs. This includes both vibrating wire and fiber optic versions, some of which can be monitored remotely.

These approaches include advanced materials, modular construction techniques, durability enhancements, and sustainability practices to restore the boardwalks and docks while extending their service life and safety. If more detail on any approach is needed, please ask



WEILER ENGINEERING CORPORATION

WEC

— An Apex Company —

_____ VI. Recently Accomplished Similar Projects

VI. EXAMPLES OF RECENTLY ACCOMPLISHED SIMILAR PROJECTS

A. Describe the Projects to Demonstrate

Throughout this RFP response WEC has referenced many examples of similar work performed for marine and seawall and projects involving construction managers at risk and grant funded projects. Please refer to Section III for specific projects and descriptions. Please also refer to Section VII for additional projects.

1. Schedule Control and Cost Control

The Sombrero Beach Road project offers an example of a project which required a challenging schedule in order to meet FDOT LAP funding deadlines and requirements. In order to meet the deadlines, WEC staff began the project by identifying crucial submittal deadlines and establishing a 4-5 day period prior to the deadline for completion of internal design and review processes. The early internal deadlines allowed additional time for any final value engineering that might be needed, or simply to submit the project early and advance the overall schedule. By advancing the schedule, we were able to help Marathon publicize bid documents, select a contractor, and kick-off construction prior to the rainy season months of late summer.

Cost control can come in two forms, on the design expenses or construction side. As a local consultant with over 75% of employees who live and pay taxes in Charlotte County, we understand the County's charge to reduce or eliminate change orders. This applies to both the design and construction side. At WEC, we monitor estimated costs at every step of the process to ensure we remain on target to the client's budget. In a recent example with Charlotte County, Veteran's Memorial Park at G.C. Herring Park, WEC worked with the County and designated Contractor to establish a design-build project. By incorporating all parties from the beginning WEC was able to determine with the Contractor, an accurate estimated cost for construction. By doing so we are able to determine which amenities could be constructed while still providing an overall sense of being for the remembrance of the local fallen soldiers. This project was a huge success for WEC, the Contractor, the County, and the local Veteran's.

Our experienced team employs value engineering techniques throughout project development and construction management. For example, WEC provided alternative materials and design elements for the Harborwalk project in Punta Gorda. This allowed the City to receive alternate bids and select which item they preferred depending on benefit-cost review. This flexibility in the construction documents for materials and construction technique allowed for the contractor to utilize creativity in their bid to achieve cost savings in bidding and time savings in schedule. The decision for flexibility in the construction material was determined during the initial scoping meeting and carried throughout the design phase.

2. Construction Problems and Means Taken to Solve Them

On rare occasions and despite our best efforts, unforeseen conditions may arise. As a leader in CEI services, WEC staff has been involved with every facet of construction. Our current team includes Michael Giardullo, PE and John Meneely who has held the role as construction inspector for over 20 years and is highly qualified for seawall inspections. Each of our team members have faced and successfully addressed adversity during construction of major projects.

One example includes the City of Punta Gorda - Harborwalk Zone 7 which was recently constructed and was completed with total change orders of less than 3% of the project budget. During construction of the crosswalks the contractor located abandoned utility pipes that were over 100 years old and had no current as-built records. WEC assisted the City in negotiating the contractors fee for removal of such pipes to reduce the total change orders significantly. WEC also provided redesign of one crosswalk at no cost in order to help lower the cost of the change order for the City.

3. Additional Construction Costs Caused by Design Deficiencies, Not Program Changes

WEC has not been party to any claims or design deficiencies related to our projects. Many of our projects receive program changes based on cost-savings options that have been identified throughout the design phase or owner elected changes to additional improvement when surplus funding is available.

VI. EXAMPLES OF RECENTLY ACCOMPLISHED SIMILAR PROJECTS

4. Projects Delivering Marine/Seawall/Civil, Coastal Engineering & Structural Projects

While WEC has extensive seawall design, permitting and CEI experience, it is our understanding that Charlotte County would prefer us to expand on our boardwalk, pier and similar structure experience. WEC has completed the design and permitting and construction support for many relevant projects in Florida and understands how to overcome obstacles to complete these projects on time and within budget. Below is a list of recent boardwalks, piers, beach accesses and similar structures which WEC has completed or is currently under contract.

- ◇ 13 Hurricane Ian Boardwalk Replacements - Owner: Lee County
- ◇ Gasparilla Island State Park Boardwalk - Owner: FDEP
- ◇ Key Tree Cactus Preserve Boardwalk - Owner: Village of Islamorda
- ◇ FDEP Bahia Honda Dune Crossovers - Owner: FDEP
- ◇ Anne's Beach Boardwalk - Owner: Village of Islamorada
- ◇ Brigg's Boardwalk - Owner: FDEP
- ◇ Ponce De Leon Boardwalk and Park Redesign - Owner: City of Punta Gorda
- ◇ Ponce De Leon Seawall and Fishing Pier Repairs - Owner: City of Punta Gorda
- ◇ John Pennekamp Coral Reef State Park Wood Pedestrian Bridge - Owner: FDEP
- ◇ John Pennekamp Coral Reef State Park Mangrove Trail Boardwalk - Owner: FDEP
- ◇ William R. Gaines Jr. Veterans Memorial Park Boardwalks and Improvements - Owner: Charlotte County
- ◇ Harborwalk Bridge at Laishley Park Boat Ramp - Owner: City of Punta Gorda
- ◇ Harbor Heights Pier Replacement - Owner: Charlotte County
- ◇ Collier Seminole State Park Fishing Platform - Owner: FDEP
- ◇ Honeymoon Island State Park Pet Boardwalk - Owner: FDEP
- ◇ Sombrero Beach Dune Restoration - Owner: City of Marathon
- ◇ Coco Plum Beach Dune Restoration - Owner: City of Marathon
- ◇ Coco Plum Parking Lot, Restroom and Beach Access - Owner: City of Marathon
- ◇ Port Charlotte Beach Park Erosion Repairs - Owner: Charlotte County
- ◇ Cayo Costa State Park Wood ADA Ramp - Owner: FDEP
- ◇ Oscar Scherer State Park Wood ADA Ramp - Owner: FDEP
- ◇ Ft Pierce State Park Wood ADA Ramp - Owner: FDEP
- ◇ John Pennekamp Coral Reef State Park Wood ADA Ramp - Owner: FDEP
- ◇ Lignumvitae Key Botanical State Park Dock Repair - Owner: FDEP
- ◇ Lignumvitae Key Botanical State Park Service Dock Replacement - Owner: FDEP



The above list of seawall projects are just a sampling of recently completed or ongoing projects. Most importantly all the projects list above were performed by the same key personnel proposed for this RFP. The vast majority have been managed by our proposed project manager, Mike Giardullo, PE.

WEILER ENGINEERING CORPORATION

WEC

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VII. Experience & Capabilities

A. Value Engineering

WEC employs value engineering to every aspect of the approach for a project. WEC believes that being able to provide cost saving alternatives for the client is the most important aspect of the design process. WEC understands that quality should never be sacrificed when there is a goal in mind but with the combined experience of the team, WEC staff is always able to curate a design that takes into account all aspects of the client's vision while staying within budget and providing cost saving solutions if any issues arise.

The following is a small summary of recent experiences with cost analysis for similar projects:

- ◇ **Boardwalk Repairs for Lee County** - WEC and Johnson Engineering are providing alternates for boardwalk repairs with cost estimates as alternate options
- ◇ **Charlotte County's Live Oak Point Seawall Assessment** - WEC provided alternatives for seawall repairs with cost estimates.
- ◇ **Charlotte County's Darst Park** - WEC just submitted 60% documents which include multiple types of seawalls, boat ramp and dockage within the project area for cost benefit.
- ◇ **DeSoto County Nocatee Boat Ramp Seawall Repair** - WEC analyzed shoreline stabilization alternatives to repair damage caused by Hurricane Ian and utilized a steel sheet pile option.
- ◇ **Punta Gorda Burnt Store Lock Widening** - WEC was responsible for preliminary cost analysis and selected a vinyl wall with plate tie backs due to available working room and ease of access.
- ◇ **Ocean's Edge Resort** - WEC reviewed dive photos and provided a cost effective toe wall design using vinyl panels and flowable fill in order to resolve voids and protect the wall.

B. Cost Analysis and Control

WEC works well under the current Charlotte County format, which includes working with the County's Construction Manager at Risk. Our proposed staff worked under similar conditions during the Veterans Park design. During the design for the Veterans Memorial Park, we coordinated with the CM and staff on regular updates to costs and timing for permitting. The costs were an important control factor due to the limited budget. Throughout the project, WEC staff, County staff, and the CM identified issues, worked through alternative methods and materials, and came to agreement on the final product, which was delivered under budget.

In addition to working with the CM and identifying potential savings throughout design, WEC provides a particular focus on life-cycle cost analysis on every project. Cheaper is not always better. In harsh environments and conditions, consideration of materials is a critical component of design. Extending the life-cycle of a project as a means of reducing maintenance costs is a high priority for our staff. Our experience in salt water and environmentally sensitive conditions provides us the experience to work with the staff and identify materials that truly work. This approach works well with the County's facilities plan and will produce a more cost-effective project over its life. This approach has been applied to many projects, including our Stock Island Marina Village redevelopment, Kiwanis Park, Harbour Heights Seawall Replacement, Punta Gorda's Harborwalk, and numerous other examples. It is a standard practice during our design efforts.

C. Life Cycle Cost Analysis

WEC pairs the necessity for value engineering with the materials chosen for a project. Typically, the most important factor in determining Life Cycle Cost analysis is the position of the client and relation to the project. It is common that some materials are more beneficial to use in some areas rather than others. When choosing a material, WEC will weigh the desired result of the project with the location, cost, and longevity of the material.

WEC is currently working with FDEP on many projects that require weighing the longevity of a product versus the cost. Some recent FDEP projects involving life cycle cost analysis include:

- ◇ **Brigg's Boardwalk Replacement** - WEC provided design alternatives for materials for the replacement of a 1/2mi long boardwalk through wetlands with cost estimate and life expectancy information for the client to make the best decision for their project. WEC analyzed the material suitability as well as construction methods for this environmentally sensitive project. This project is at the 60% design phase.
- ◇ **Little Manatee State Park Water Treatment System Repair/Replacement** - WEC assisted the FDEP a life cycle analysis on their existing potable water treatment system through cost comparisons and life expectancy for the hydropneumatic tank, storage tank, and aerator. The design process is complete and awaiting construction.
- ◇ **Collier-Seminole State Park** - WEC assisted the FDEP with a structural analysis on the existing boat basin seawall as well as a new dock, fishing platform, and ADA accessible kayak launch. WEC provided a life cycle analysis on the seawall to determine if repair or replacement was required. Design and construction have been completed on this project.
- ◇ **Lignumvitae Key Botanical Gardens State Park** - WEC provided several cost estimates for repair work to an existing dock that was damaged during Hurricane Irma. WEC was able to help the FDEP select the most cost effective repair process as well as selecting materials that would have longevity in the coastal setting. The design and construction are completed for this project.
- ◇ **John Pennekamp Coral Reef State Park** - WEC assisted the FDEP with evaluating an existing coastal restroom with extensive concrete spalling damage. WEC created a life cycle analysis for the restroom to assist the FDEP in whether or not to repair or replace the structure. The design portion of this project is complete and awaiting construction.

D. Environmental Assessment

Robin Palmer, P.E. will be heading the environmental assessments necessary for this project. WEC has is currently waiting on the final permits for the Live oak Point Park Improvements project on the northbound side of the US41 Bridge. This recent project has given provided us with what information the regulatory agencies are going to require. INC. would consult on the issue accordingly and aid the client in the next steps on how to proceed.

E. Permitting for Charlotte County

WEC has extensive experience with permitting projects in Charlotte County. This includes both public and private projects. Recent permitting of similar projects includes William R. Gaines Jr. Veterans Memorial Park Boardwalks, Live Oak Point Park Improvements, Harbor Heights Seawall Replacement, Harbor Heights Boat Ramp, Harbor Heights Pier Replacements, Veterans Park in Rotonda, and Charlotte Harbor Culvert replacement project. All permitting was completed without issue. Our public and private experience make us familiar with the DRC and County review process.

This project demands substantial environmental permitting experience. Many of our projects required consideration and preservation of important physical and environmental features. Critical items such as ensuring Best Management Practices are adhered to is one example of small steps that make a large impact. WEC also has a substantial environmental permitting track record in Charlotte County. A past project includes the Live Oak Point Park Improvements project on behalf of Charlotte County. WEC provided an in-depth assessment for the park in 2022 and is currently waiting on final permits to issue 100% plans. WEC was responsible for conducting meetings with SWFWMD, FDOT, FPL, and the Army Corp. of Engineers to establish the requirements for our specific projects to head off any unnecessary comments during the review.

Other projects include: Kiwanis Park was a similar project that required consideration of wetlands and native flora and fauna. As part of our task, WEC inspectors supervised the installation of native plants to supplement the wetlands that were impacted by the repair and replacement of the boardwalk improvements. WEC staff permitted the project through the County and SWFWMD. Also, WEC is currently working on the William R. Gaines Veterans Memorial Park project that entails the construction of mulch trails and boardwalks through wetlands. WEC is in the permitting process with SWFWMD and ACOE.

F. Specialized Marine/ Coastal Experience

Throughout this proposal, WEC has highlighted a wide variety of marine and coastal projects. In addition to seawalls, WEC has experience in many different types of marine projects. Below is short summary of the many project types each containing their own unique design and permitting challenges. All of these projects were handled by Michael Giardullo, P.E., our proposed project manager, and the other individuals proposed for this project.

- ◇ **New Boat Ramps** - DeSoto Veterans Memorial Park Boat Ramp and City of Marathon 33rd Street Boat Ramp
- ◇ **Boat Ramp Replacement** - Charlotte County Harbor Heights Boat Ramp and DeSoto County Lettuce Lake Boat Ramp
- ◇ **Mooring Fields** - City of Punta Gorda East Mooring Field
- ◇ **Docking Facilities** - Charlotte County Harbor Heights Day Docks and Stock Island Marina Village 363 Slip Marina
- ◇ **Beach Restoration** - City of Marathon Sombrero Beach Restoration and City of Marathon Coco Plum Beach Restoration
- ◇ **Fishing Piers** - City of Punta Gorda Gilchrist Park Fishing Pier and City of Punta Gorda Ponce De Leon Park Fishing Piers.
- ◇ **Mitigation of Wetland Impacts** - Charlotte County William R. Gaines Veterans Memorial Trail and Boardwalk and Gordon Drive Residential Mangrove Removal.
- ◇ **New Seawalls** - DeSoto Morgan Park Steel Seawall Shoreline Stabilization and El Mar RV Resort on Stock Island
- ◇ **Seawall Replacement** - Punta Gorda Harborwalk Phase 2 Seawall Replacement and Punta Gorda Zone 7 Harborwalk Seawall Replacement
- ◇ **Seawall Repair** - Ocean's Edge Resort on Stock Island and Indigo Reef Resort in Marathon

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

WEC focuses on serving a variety of local and state agencies. WEC has completed over 50 state park projects for the Florida Department of Environmental Protection through an ongoing services agreement over the past 10 years. WEC continues this relationship due to a track record of quality and on-time performance. The majority of these projects include coastal improvements, and many include in-water work. Also at the state level, WEC was recently awarded a continuing services contract with the Florida Fish and Wildlife Conservation Commission.

Locally, WEC has been serving Charlotte County for over 20 years and had demonstrated exceptional performance for a variety of projects for the Community Services Department as well as the Public Works Department. WEC has performed ongoing work for the City of Punta Gorda since 2008 and has also served as DeSoto County's Engineer since 2011. Ongoing relationships have been maintained with numerous other Cities and County. WEC's primary focus is in Southwest Florida and our method of earning new projects is through pleasing our clients on their current projects. Charlotte County is one of our most important clients and we look forward to continuing our relationship.

VII. EXPERIENCE & CAPABILITIES

Lastly, WEC has extensive experience with all aspects of grant funded projects. WEC has written countless grants applications, provided grant support in the form of grant management and compliance specialist services, assisted in the reimbursement projects, and performed grant close out. Some examples of recent grants include Community Development Block Grants, FWC Boater Improvement Fund Program, FDEP Clean Vessel Act Grant, National Conservation Resources Commission Grants, FEMA reimbursement eligible activities, Charlotte County Marine Advisory Committee grant, multiple FDOT grants include Local Agency Program, Small County Outreach Program and Small County Road Assistance Program plus many other local, state and federal grant programs. As with all grant projects, understanding and adhering to grant requirements is paramount. WEC has documented compliance with the grant requirements throughout all phases of the projects.



WEILER ENGINEERING CORPORATION

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VIII. Volume of Work

Weiler Engineering's total amount of payments received from the County within the past 24 months: \$697,915.05.

We are committed to Charlotte County and feel the volume of work that has been awarded to us is evidence of the County's satisfaction of our work.

WEILER ENGINEERING CORPORATION

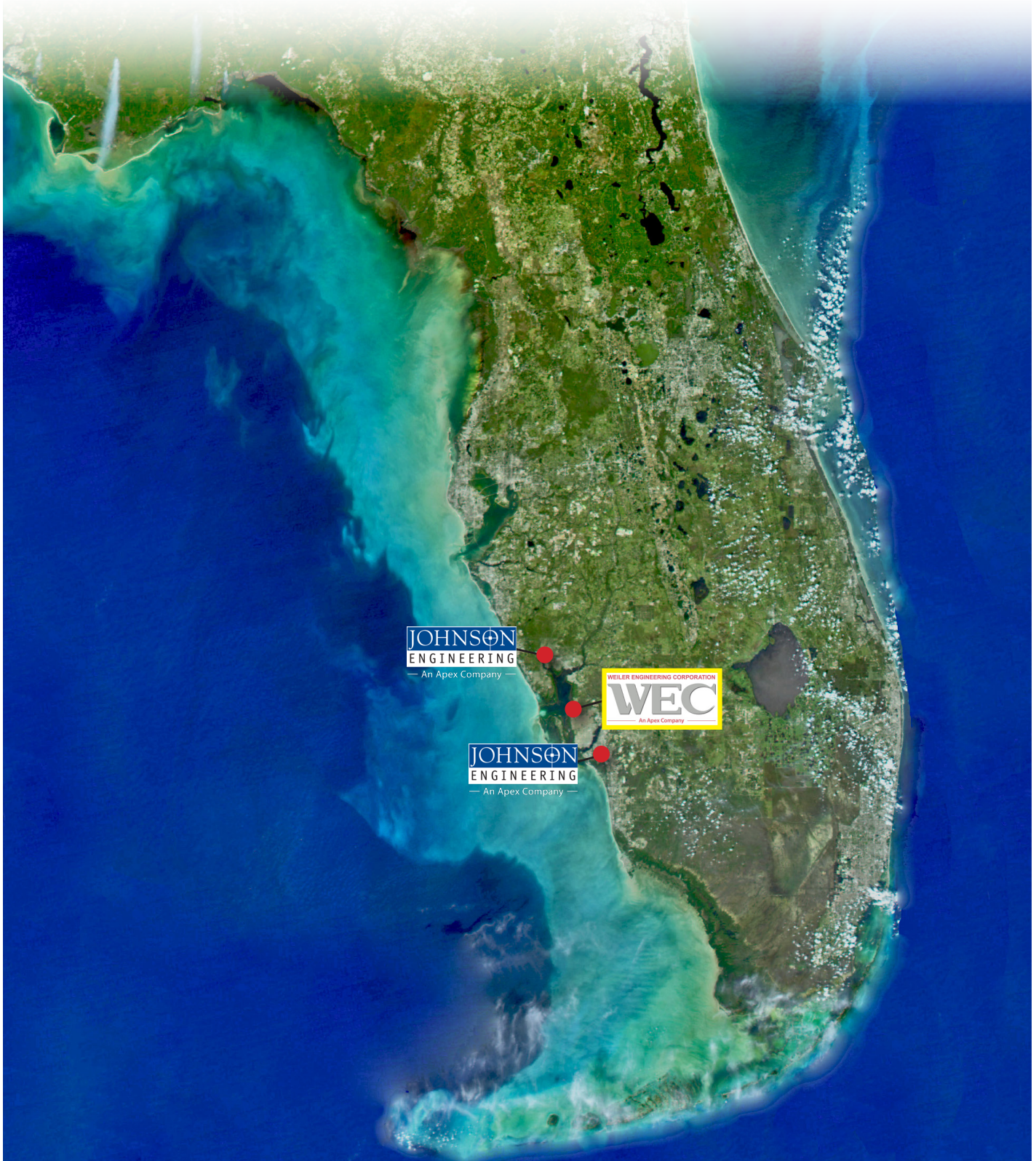
WEC

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IX. Location

IX. LOCATION

WEC's corporate office is located at 201 W. Marion Avenue, Suite 1306, Punta Gorda, FL. We currently have thirty-two (32) employees in our Punta Gorda office, the majority of whom reside in Charlotte County. As part of the Apex family of companies we are partnered with Johnson Engineering and over 240 professionals throughout Florida.



WEILER ENGINEERING CORPORATION

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_____ X. Litigation

The Weiler Engineering Corporation has not been involved in any litigation relevant to the proposed project in the last 5 years.

WEILER ENGINEERING CORPORATION

WEC

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_____ XI. Minority Business



The Weiler Engineering Corporation is not a certified minority business. However, we take great pride in being an equal opportunity employer. Our goal is to establish a team in the best interest of our clients, while maintaining the standard of quality our firm and clients demand.

Once selected, we will work closely with Charlotte County in identifying other potential minority teaming opportunities.

WEILER ENGINEERING CORPORATION

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_____XII. Forms

Team Licenses

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

GLENN, JOHN TYLER
1513 MANCHESTER BOULEVARD
FORT MYERS FL 33919

LICENSE NUMBER: PE94227
EXPIRATION DATE: FEBRUARY 28, 2027
Always verify licenses online at MyFloridaLicense.com

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STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
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MABERINO, ASHLIE ANA PAULA
3683 BARTIGON AVENUE
NORTH PORT FL 34286

LICENSE NUMBER: PE99250
EXPIRATION DATE: FEBRUARY 28, 2027
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WRIGHT, WAYNE W.
10041 HIDDEN PINES LANE
BONITA SPRINGS FL 34135

LICENSE NUMBER: PE58220
EXPIRATION DATE: FEBRUARY 28, 2027
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GIARDULLO, MICHAEL JAMES
7524 PON KAN
PUNTA GORDA FL 33955

LICENSE NUMBER: PE70676
EXPIRATION DATE: FEBRUARY 28, 2027
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JENNINGS, JOSHUA JAMES
4831 RUSTIC DR
PUNTA GORDA FL 33982

LICENSE NUMBER: PE90677
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PALMER, ROBIN CHRISTINE
6510 CLEVELAND DR
PUNTA GORDA FL 33982

LICENSE NUMBER: PE90050
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MUSGRAVE, THOMAS E. JR.
3507 W. SAN PEDRO STREET
TAMPA FL 33629

LICENSE NUMBER: PE81649
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DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
BOARD OF PROFESSIONAL ENGINEERS
THE PROFESSIONAL ENGINEER HEREIN IS LICENSED UNDER THE
PROVISIONS OF CHAPTER 471, FLORIDA STATUTES

MORGAN, MAX
2082 MIDNIGHT ST
PORT CHARLOTTE FL 33948

LICENSE NUMBER: PE94877
EXPIRATION DATE: FEBRUARY 28, 2027
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Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2085 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: LS6433
Expiration Date: February 28, 2027

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

KEVIN M RISCASSI
2122 JOHNSON ST
FORT MYERS, FL 33901-3408

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2085 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: LS5312
Expiration Date: February 28, 2027

Professional Surveyor and Mapper License
Under the provisions of Chapter 472, Florida Statutes

MARK D HAINES
1469 COYINGTON CIR W
FORT MYERS, FL 33919-2001

WILTON SIMPSON
COMMISSIONER OF AGRICULTURE

This is to certify that the professional surveyor and mapper whose name and address are shown above is licensed as required by Chapter 472, Florida Statutes.

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
	Michael J. Girdullo, PE, Senior Project Manager	20	Punta Gorda	Punta Gorda	Punta Gorda
	Ashlie Maberino, PE, Deputy PM/Civil Engineering	7	Punta Gorda	Punta Gorda	North Port
	Brian Corso - Structural Engineering	11	Punta Gorda	Punta Gorda	Punta Gorda
	Max Morgan, PE - Structural Engineering	7	Punta Gorda	Punta Gorda	Punta Gorda
	Robin Palmer, PE - Environmental Engineering	11	Punta Gorda	Punta Gorda	Port Charlotte
	Josh Jennings, PE - Civil Engineering	8	Punta Gorda	Punta Gorda	Port Charlotte
	Davis Johanson - CEI	5	Punta Gorda	Punta Gorda	Punta Gorda
2.	Magnitude of Company Operations				
	A) Total professional services fees received within last 24 months:		\$	\$697,915.05	
	B) Number of similar projects started within last 24 months:			12	
	C) Largest single project to date:		\$	15 million	
3.	Magnitude of Charlotte County Projects				
	A) Number of current or scheduled County Projects			11	
	B) Payments received from the County over the past 24 months (based upon executed contracts with the County).		\$	\$697,915.05	
4.	Sub-Consultant(s) (if applicable)	Location	% of Work to be Provided	Services to be Provided	
	Johnson Engineering, LLC	17833 Murdock Circle Port Charlotte, FL 33948	35%	Environmental, Survey/Mapping, Electrical, CEI	
	Tierra, Inc.	7351 Temple Terrace HWY Tampa, FL 33637	5%	Geotech	
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	N/A	Address	N/A	
	Phone #	N/A	Contact Name	N/A	
	Start Date	N/A	Ending Date	N/A	
	Project Name/Description	N/A			

NAME OF FIRM The Weiler Engineering Corporation
(This form must be completed and returned)

DRUG FREE WORKPLACE FORM


The Weiler Engineering
Corporation

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that
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

October 29, 2025

Date

NAME OF FIRM

The Weiler Engineering Corporation

(This form must be completed and returned)

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

Charlotte County Contract #20250718

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

Michael J. Girdullo, PE

Printed Name

Director of Civil Engineering

Title

The Weiler Engineering Corporation

Nongovernmental Entity

October 29, 2025

Date

NAME OF FIRM _____ The Weiler Engineering Corporation

(This form must be completed and returned)

BYRD ANTI-LOBBYING CERTIFICATION

Certification for Contracts, Grants, Loans, and Cooperative Agreements

The undersigned certifies, to the best of his or her knowledge and belief, that:

(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 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 an 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 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 Form to Report Lobbying," 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.

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.C. 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.

October 29, 2025
Date

Michael J. Girdullo, PE
Type or Print Name


Signature

Director of Civil Engineering
Title

END OF PART V

NAME OF FIRM The Weiler Engineering Corporation
(This form must be completed and returned)