

RFP NO. 20260407

DESIGN – ANGER FISHING PIER

FOR CHARLOTTE COUNTY



MAY 21, 2026

PREPARED FOR

Charlotte County
18500 Murdock Circle, Suite 344
Port Charlotte, FL 33948

DIVISION MANAGER

Michael Giardullo, PE
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Charlotte County
18500 Murdock Circle, Suite 344
Port Charlotte, FL 33948

Re: Design - Anger Fishing Pier - RFP No. 20260407

Dear Selection Advisory Committee Members:

Apex Companies proudly presents our team's response to RFP NO. 20260407 for the design of the Anger Fishing Pier Repairs. Apex prides itself on coastal development and is ideally positioned to provide the best service on this project to Charlotte County. Apex has been in business with Charlotte County since 1993 and since that time has had a major focus on in-water and coastal work. In 2024, The Weiler Corporation along with Johnson Engineering, were acquired by Apex Companies, LLC. This new partnership enables both firms to expand their services and capabilities, and work together as a united team.

Apex has been responsible for new boardwalks, boardwalk repairs, pavilions, boat ramps, seawalls, and docks within Charlotte Harbor. Apex also has extensive experience working with the FDOT on projects within the right-of-way of US 41 southbound bridge which is adjacent to this project. Apex also has recent experience managing grants commonly used for shoreline projects such as CDBG-MIT, FEMA, FWC Big P, NRCS, and many others types of grants including FDOT LAP and other federally funded programs.

Why choose Apex?

- **Local Project Specific Design / Permitting Experience** - Apex has designed and permitted multiple pier and boardwalk projects throughout the South Florida area including the FEMA repairs for Lee County, dozens of boardwalks, docks, and piers for FDEP, and multiple boardwalks for the Cities of Islamorada, Marathon, and Key West. The team presented here is located in Charlotte County and has worked collectively to achieve the success of the boardwalk projects demonstrated throughout this proposal.
- **Construction Expertise in Seawall and Marine Engineering** - Apex has provided construction management and construction engineering and inspections on multiple boardwalks, piers, and other coastal projects. To date, Apex has performed construction management and CEI on 7.25 miles of FEMA funded seawall for the City of Punta Gorda as well as more than 50 boardwalks, docks, and piers for FDEP.
- **Experts in FEMA Funding and Reimbursement** - Apex's FEMA experience from Pre-Disaster Mitigation Efforts, Detailed Damage Assessment Efforts, Securing FEMA funding, administrating FEMA funded projects from preliminary design through construction and reimbursement assistance is unparalleled among local engineering firms.
- **Demonstrated Success in Expediting Permit Review Times** - On the Live Oak Point Park Seawall project, Apex was able to obtain the Army Corps Nationwide Permits, the same permit that we anticipated to be required for this project, in 7 calendar days. More information on specific strategies to expedite the permit processes for this project are included within the Project Approach.
- **Approach Focused on the Future** - The design effort and information collected as part of this project will be of benefit to the County for future boardwalk replacement and pavilion repair. Additional discussion of specific examples are included in the Project Approach section.

Apex conducted site visits on February 5th, 2024, and May 7th, 2024, to investigate the extent of the damages. From these investigations, it is apparent that significant damage appeared to be caused by decay of the support members over time. The wind and wave action from Hurricane Ian has escalated these issues. A site-specific design for replacement or repair of each component will be required. Alternate materials such as galvanized or stainless strapping and fasteners, and pressure treated framing or HDPE decking can be used to increase the life expectancy.

Our team is led by Brian Corso under responsible charge to Mike Giardullo, PE, our principal-in-charge. Mike and Brian have served as project managers on multiple projects for Charlotte County and similar projects for other jurisdictions. Mike has served as engineer of record for multiple County boardwalk projects and other in-water projects. Specifically, they have been involved with design and management of all the projects mentioned above. Supporting them is Robin Palmer, PE, (environmental engineering and permitting) and Max Morgan, PE, (structural engineering). Robin and Max have worked with them on most of the projects mentioned here in. Throughout this RFP response, many past projects are highlighted. The same key staff responsible for the success of those projects is the same staff proposed for this project.

Finally, all Apex staff proposed herein work out of our Punta Gorda corporate office location. Apex takes a "boots on the ground" approach to all design. We believe that design cannot just happen from behind a desk. Our close proximity to the project location will be a strong benefit to field verifying design, implementation and contraction practices and providing a plan set that includes methods of addressing the unique conditions found prior to construction.

We thank you for the opportunity to submit this RFP response and believe you'll find that we have demonstrated our competence in such a project to be selected for professional services for the Anger Fishing Pier Repairs project. We look forward to helping Charlotte County for this important community asset.

Sincerely,
APEX COMPANIES, LLC



Michael Giardullo, PE | Division Manager
(941) 505-1700 | michael.giardullo@apexc.com



Team Proposed for Project

I. Team Proposed for Project

A. Background of the Personnel

Apex takes pride in the accuracy of our proposal. The team listed below is the group that will help develop the Scope of Work and see the project through from start to finish. 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.

Project Manager

Senior Project Manager | Brian Corso

Brian has been with Apex for more than 10 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 currently overseeing the assessment of the Bayshore Live Oak Shoreline & Boardwalk Replacement project. Brian is also involved in the design and oversight of all Apex boardwalk, seawall, pier, structural, and park projects.

Subconsultants & Other Key Personnel

Principal-In-Charge, QA/QC | Michael Giardullo, PE

Mike has been with Apex for over 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 expertise in working with FEMA on similar projects that many consultants do not have the opportunity to develop.

Structural Engineering | Max Morgan, PE

Max has been with Apex for over eight 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 Anger Fishing Pier.

Permitting Specialist & Environmental Engineer | Robin Palmer, PE

Robin is a Professional Engineer with over 12 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 Apex 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.

CEI | Davis Johanson

Davis has over six years of experience with Apex. 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.

Environmental | Laura Herrero

Laura is the director of Apex'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.

Survey & Mapping | Kevin RisCassi, PSM

Kevin joined Apex 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.

Consultants

Tierra will provide any needed geotechnical investigations for the design. The geotechnical subconsultant is the only subconsultant required for this work. All other tasks will be performed in-house.

Geotechnical | Tom Musgrave, PE (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 principles. 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).



Brian Corso

Project Manager

Brian Corso has been with Apex (Weiler Engineering Corporation) for over 10 years and brings extensive experience in structural assessment, repair, and rehabilitation. He has worked closely with a variety of clients, including local governmental agencies and municipalities, providing expertise in concept development, design strategy, cost engineering, and submittal review. His recent projects for Charlotte County include the Ponce De Leon Boardwalk and Park Redesign and pier repairs for the City of Punta Gorda, where he conducted inspections and contractor oversight for boardwalk installation and performed full assessments for pier spalling repairs and ADA upgrades. Brian also collaborated with structural engineers to develop detailed plans for these projects.

Experience

10 Years

Education

BD Architecture,
University of Florida

General Experience

Hurricane Ian Seawall Replacement Project, City of Punta Gorda, Punta Gorda, Florida.

Construction inspection management for a two-year seawall replacement project involving more than 7 miles of seawall and multiple contractors. Oversight included managing a team of four inspectors and a document control specialist, reviewing pay applications, change orders, and contractor issues, and ensuring accurate project data. Responsibilities also included recommending replacement wall size, reinforcement, and tiebacks; overseeing demolition and installation of seawalls, manta rays, caps, grading, and sodding; and maintaining staging sites. Provided design consulting for custom tieback and deadman systems at bridge abutments. Managed meticulous documentation for FEMA reimbursement using GPS-enabled inspection software and maintained a GIS database for project tracking.

Ponce de Leon Seawall, Piers, and Boardwalk Assessments and Repair Plan, City of Punta Gorda, Punta Gorda, Florida.

Project management for multiple improvements at Ponce de Leon Park, including repairs to fishing piers for spalling and ADA compliance, minor dock and sidewalk repairs, seawall extension and repair, bridge repair, and design of a new coastal boardwalk within a mangrove preserve. The boardwalk required installation of 155 new 8-inch piles and was designed for constructability in a constrained site. Extensive permitting was completed through ACOE, FDEP, and the City of Punta Gorda.

Reynolds Street Bridge Replacement, DeSoto County, Arcadia, Florida. Structural design for replacement of FDOT Bridge #044034 over Hawthorn Creek. Scope included replacing an existing wooden pile structure with a concrete support structure while maintaining the current channel cross-section to minimize disturbance. The project adhered to FDOT traffic standards and Small County Outreach Program funding requirements, ensuring compliance and safety for long-term bridge performance.

SE Airport Road Bridge Scour Countermeasures, DeSoto County, Arcadia, Florida. Design support for scour countermeasures at SE Airport Road Bridge, including coordination with FDEP, ACOE, and SWFWMD for permitting. Scope involved stabilization of the streambed surrounding existing bridge piles and abutments. Responsibilities included evaluating stabilization options such as riprap and articulating concrete block revetment mats, comparing cost and longevity to determine the most effective solution.

Bahia Honda State Park Upgrades, FDEP, Big Pine Key, Florida. Structural design for pile-supported foundations and ADA ramps for multiple prefabricated structures across three project phases. Phase I included restroom and bathhouse replacement in an AE flood zone; Phase II involved foundation design for a day-use restroom at Sandspur Beach; Phase III addressed repairs to an existing restroom and replacement of a boardwalk providing beach access within Sandspur Campground. Additional work included overseeing repairs to another restroom damaged during Hurricane Irma. All locations were adjacent to the Atlantic Ocean and required compliance with flood zone standards.



Michael Giardullo PE

QA/QC

Mike has been with Apex for 20 years and currently serves as the Division Manager. Mike has performed design, permitting, and project management services for many municipalities including countless land development and stormwater projects in South and Southwest Florida. He has worked closely with FDOT, FDEP, SWFWMD, ACOE, and other regulatory agencies to complete projects for both local government and state agencies. He is an expert in LAP funded projects and completing requirements to receive funding, design, construction, and meet stated requirements of the funding source.

Experience

20 Years

Education

BS Civil Engineering,
Loyola Marymount
University

MS Civil Engineering,
Colorado State
University

MBA, University of
Massachusetts

Accreditation

Professional Engineer,
FL #70676

FDEP Qualified
Stormwater
Management
Inspector #14470

General Experience

Harbor Heights Boat Ramp, Charlotte County, Punta Gorda, Florida. Evaluation and design of improvements for an existing boat ramp facility. Scope included a double-wide boat ramp, ADA-compliant docks, retaining wall, stormwater management, sport courts, and parking lot upgrades. Permitting was completed through ACOE and FDEP.

Charlotte County Kiwanis Park Trail System, Charlotte County, Port Charlotte, Florida. Managed design and engineering for ADA-compliant trail system, multiple bridges and boardwalks through wetlands, and parking improvements. Provided full engineering services including structural design for bridges and boardwalks, environmental compliance, permitting, and construction phase support.

Harborwalk, City of Punta Gorda, Punta Gorda, Florida. Design and permitting for a 3.3-mile multi-use recreational trail (10–30 feet wide) along prime harbor frontage. Scope included park improvements such as restrooms, gazebos, picnic pavilions, playground, bocce courts, beach cleanup, sailboat launch, seawall replacement, parking areas, eight stormwater systems, roadway improvements, pedestrian bridges, and more. Permitting involved FDOT, SWFWMD, ACOE, Charlotte Harbor Aquatic Preserve, and FWC.

Anne's Beach Boardwalk, FDEP, Islamorada, Florida. Design and construction services for replacement of the Anne's Beach boardwalk and parking lots. The project included a 1,100 LF boardwalk through wetlands along the Atlantic Ocean, replacing the structure demolished by Hurricane Irma in 2017.

Lettuce Lake Park, DeSoto County, Arcadia, Florida. Engineer of Record for a 17-acre park renovation project including parking, boat trailer parking, restroom facilities, stormwater management, and two floating docks for boat ramp access. Design addressed environmental sensitivity of the site.

Morgan Park Riverbank Erosion Restoration, DeSoto County, Arcadia, Florida. Design for erosion control measures to protect the park entrance from Peace River erosion. Scope included 370 LF of steel sheet piles, concrete cap, and rip rap for bank stabilization. Permitting was completed through FDEP and ACOE.

County Engineer/Continuing Services, DeSoto County, Arcadia, Florida. Currently serving as County Engineer for DeSoto County, providing recommendations and direction to the Board for County projects, development review, and supervising Engineering Department staff. Since August 2011, Apex has delivered a range of engineering services to DeSoto County, including construction management and inspection, project management, development of an annual CIP and road repaving program, coordination with state and federal agencies, grant administration, utility project design and master planning, and technical guidance to the Administrator and County Commissioners. Projects range from under \$5,000 to several hundred thousand dollars. Services also included assistance on multiple utility projects and acting as Interim Utility Department Director.



Kevin RisCassi PSM

Surveying



Kevin RisCassi joined the firm 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.

Experience

33 Years

Education

BA Economics, Trinity College

Accreditation

Professional Surveyor & Mapper, FL #LS6433

MOT Certification

Associations

Florida Surveying & Mapping Society

General Experience

U.S. Navy Turning Basin at Key West Bight, Key West, Florida. Kevin played an instrumental role in the hydrographic survey of an existing basin for design.

Kitson & Partners, Babcock Ranch Community Phase IA, Town Square, and Phase 1B1 Surveys, Lee & Charlotte County, Florida. Kevin led the surveying services to complete the platting of Babcock Ranch Community Phase 1A & Town Square in 2012 and is currently in the process of platting Babcock Ranch Community Phase 1B1. He has performed hydrographic surveys on several of the lakes, prepared topographic surveys for design and quantity analysis, and construction staking on the Earthsource Relocation Site and prepared tree surveys for permitting applications.

Clam Pass, Collier County, Florida. 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, Florida. Kevin was responsible for control and mapping hydrographic data necessary in dredging and design analysis for the construction of new bridges.

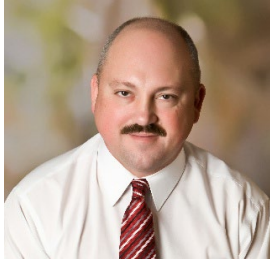
Ding Darling, Sanibel, Florida. Kevin was responsible for vertical control, obtaining cross sections on drainage creeks and topographic data collection on approximately 230 acres mangrove vegetated land for runoff and restoration studies.

South Fork East CDD Amenity Center Expansion, Riverview, Florida. 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.

United States Sugar Corporation, Hendry, Glades & Palm Beach County, Florida. 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 Florida. Kevin was responsible for producing a 983-acre boundary survey. Kevin is currently working on boundaries associated with future planned development within existing boundary.

Florida Power & Light, Alico/Orange River #3, Lee & Collier County, Florida. 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



Rick Daniels joined Apex (formerly 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. During his time with the firm, 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.

Experience

35 Years

Education

BA Geography,
University of South
Florida

Accreditation

Professional Surveyor
& Mapper, FL
#LS7229

AutoCAD Civil 3D

NSPS/ACSM
Sponsored Certified
Survey Technician
Levels II & III

General Experience

Right-of-Way Acquisition, Florida Power & Light Company, Charlotte & Lee County, Florida. 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 Port Authority, Lee County, Florida. 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, Florida. 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, Florida. 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, Florida. Rick was responsible for preparing construction layout drawings, computing field stake out points, preparing various sketch and descriptions, and preparing subdivision plats for the project.

Hopedelaggee Ranch, Hendry County, Florida. Rick was responsible for preparing a boundary survey for a 7,800-acre parcel.

SE Renewable Fuels, Hendry County, Florida. Rick was responsible for creating a base map from field locations and preparing a digital terrain model for the site.

Hilliard Parcel, Hendry County, Florida. Rick prepared a 300+ acre boundary survey including the preparation of several easement sketch and descriptions.

Right-of-Way Acquisition, Florida Power & Light Company, Charlotte & Lee County, Florida. 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, Florida. 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, Florida. 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.



Davis Johanson

CEI



Experience

5 Years

Education

BS Environmental
Engineering, Florida
Gulf Coast University

Davis Johanson has five years of experience with Apex. 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 brings a well-rounded understanding of construction processes and possesses a keen eye for detail. His expertise was utilized for construction of Lift Station #21, DCR WWTP Rehabilitation CEI, and management of the utility's installation in the Island Lakes at Coco Bay community in Englewood, Florida.

General Experience

DeSoto County Regional Wastewater Treatment Plant Rehabilitation (DCR WWTP Rehab CEI), DeSoto County, Florida. The existing wastewater treatment plant was in a state of significant disrepair and operated at limited capacity. Mr. Johanson played a key role in the ongoing expansion and rehabilitation of the plant. He oversaw the construction of a new concrete headworks platform designed to support the static screen system, a critical component of the upgraded infrastructure. Throughout the continuing phases of construction, Mr. Johanson conducted a range of specialized coating inspections, including steel surface profile evaluations, chloride contamination testing, and mil thickness measurements to ensure the effectiveness of the new protective coating system applied to the rehabilitated steel tanks and pipes. In addition to his fieldwork, he supported the engineering team by reviewing contractor submittals, attending regular progress meetings, preparing detailed inspection reports, and facilitating clear communication between the engineer of record and the client to maintain project momentum and quality standards.

Island Lakes at Coco Bay Utilities Construction, Englewood, Florida. Davis Johanson served as the full-time construction inspector during the installation of water and vacuum sewer systems at the Island Lakes at Coco Bay community, where he was responsible for overseeing construction activities, verifying system performance, and conducting testing to ensure compliance with engineering and regulatory standards. He managed the permitting process with the Florida Department of Environmental Protection (FDEP) and the Englewood Water District, completing all required documentation and securing necessary approvals. Mr. Johanson coordinated meetings with key stakeholders including Lennar Development, Englewood Water District, AirVac, the contractor, to ensure alignment on technical requirements and project milestones. In addition to inspection and coordination duties, he performed critical field-based design changes that enhanced system efficiency and contributed to the overall success of the infrastructure installation.

Lift Station #21 Replacement, DeSoto, Florida. Davis Johanson served as the construction manager for the Lift Station #21 project, which involved the full replacement of an existing lift station to improve wastewater infrastructure and service reliability. He led the permitting process with the Florida Department of Environmental Protection (FDEP), successfully completing all required documentation and coordinating approvals to ensure regulatory compliance. Throughout the project, Mr. Johanson facilitated and led meetings with both the client and the contractor, maintaining clear communication and oversight to ensure the construction was executed according to design specifications and project goals.



John Glenn, PE
CEI

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.

Experience

13 Years

Education

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

Accreditation

Professional Engineer

FDOT Advanced MOT

NRC Nuclear Gauge
Safety

General Experience

Alico Connector, Lee County, Florida. - John is currently serving as the lead design engineer for both the Phase 1 and Phase 2 portions of this project that encompasses nearly 11 miles of two to four lane and new four lane roadway. This project will serve as a new major arterial providing a much-needed connection from Lehigh Acres to Fort Myers and I-75.

Countywide Drainage, Lee County, Florida. - John is currently serving as the project manager and Engineer of Record for this CDBG-DR funded drainage improvement project. This project consists of surveying nearly 60 miles of residential roadway swales, culverts and driveways and designing drainage improvements to promote positive outfall to the Caloosahatchee River. The intent of this project is to aid in post storm recovery and increase resiliency of a drainage system that has been debilitated by recent storm events.

Three Oaks Parkway Phases I and II, Lee County, Florida. - John is currently serving as the CEI Senior Project Engineer for this new four-lane roadway construction project. In addition to the new Three Oaks extension this project also includes capacity improvements to Daniels Parkway, significant utility replacement and relocation, signalizations, lighting and landscaping improvements.

Rehabilitation of Roads and Chamberlin Parkway Re-Alignment, Lee County Port Authority, Florida. - 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 1 of this project has recently been constructed.

Fort Denaud Road Phase II, Hendry County, Florida. - 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 alternated for flexibility during bidding.

Alico Road, Lee County, Florida. - 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, Florida. - 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.



Laura Brady Herrero

Ecology/Environmental Biology

Laura Herrero serves as director of the firm's water resources and 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.

Experience

31 Years

Education

BS Ecology, University of Illinois

Master's Work
Environmental
Sciences, University of
Alaska Anchorage

Accreditation

FAA Qualified Wildlife
Biologist

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

Associations

Ecological Society of
America

Florida Association of
Environmental
Professionals (Past
Chapter President)

Florida Airports
Council Environmental
Advisory Committee
Member

General Experience

Town of Ft. Myers Beach, Florida. 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, Florida. Laura and her team laid the groundwork with 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, Florida. 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; C-43 West Storage Reservoir caracara nest location surveys and productivity monitoring, assistance with trapping and banding and post-tagging monitoring; C-139 Annex Restoration nest location surveys and productivity monitoring.

Lee County DOT, Lee County, Florida. 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, Lee County, Florida. Permitted and oversaw construction and monitoring of the Section 33 Regional Mitigation Site; designed and permitted the Wild Turkey Strand Site 90 Mitigation Area just north of Alico Road; both projects included coordination with U.S. Fish and Wildlife Service for determination of available panther and wood stork mitigation.

Lee County Port Authority, Lee County, Florida. 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.



Gary Nychyk

Ecology/Environmental Biology



Experience

23 Years

Education

B.S. Marine Biology,
(1998)

University of West
Florida

Accreditation

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

Associations

Florida Association of
Environmental
Professionals

Florida Bonneted Bat
Working Group

Estero Bay Agency on
Bay Management

As an ecologist with the firm, Gary's duties include vegetation mapping, benthic surveys, wildlife surveys, track surveys, protected species management plans, wetland jurisdictional delineations, and wetland preserve mitigation monitoring. He is an Authorized Gopher Tortoise Agent and maintains 11 ultrasonic acoustic recorders used to survey for the endangered Florida bonneted bat. He also conducts Stormwater Pollution Prevention Plan and Spill Prevention Control and Countermeasures annual site compliance evaluations and training events at Southwest Florida International Airport and Page Field General Aviation Airport. He works closely with the U.S. Army Corps of Engineers (USACOE), the South Florida Water Management District (SFWMD), Florida Department of Environmental Protection (FDEP), Florida Department of Emergency Management (FDEM), Florida Fish and Wildlife Conservation Commission (FWC), U.S. Fish and Wildlife Service (USFWS) as well as local city and county agencies.

General 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.



Robin Palmer PE

Environmental Engineering

Robin Palmer is a Florida-licensed Professional Engineer with over 11 years of experience managing projects that include the designing, permitting and construction of boat ramps, docks and seawalls. She has experience obtaining permits with agencies such as the US Army Corps of Engineers (USACE), Florida Department of Environmental Protection (FDEP), and the South Florida Water Management District (SFWMD). She is an active member in the Peace River Engineering Society and has served as the Treasurer and Past President, respectively. Ms. Palmer also served for four years on the conference planning committee for the annual Southwest Florida Water Resource Conference held in Fort 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 55 projects for the FDEP since 2016.

Experience

11 Years

Education

BS Environmental Engineering, Florida Gulf Coast University

Accreditation

Professional Engineer, FL #90050

Qualified Stormwater Management Inspector, FL #36339

General Experience

Sidewalk Design and Permitting- Centennial Park and Harold Ave, Charlotte County, Port Charlotte, Florida. Managed the design and permitting for the new walking paths at Harold Ave and Centennial Park. The Harold Avenue sidewalk was 914 linear feet and extended around the baseball fields and connected into the existing sidewalks. The Centennial Park sidewalk was 2,168 linear feet and wrapped around the existing soccer fields. Responsible for the design and permitting of this project and is currently working with the County on the construction phase.

Sidewalk, Off-Street Parking, and Stormwater Improvements- Manasota Key N. Beach Rd, Charlotte County, Englewood, Florida. Project engineer for the new 6-foot sidewalk, off-street parking, and stormwater improvements along the commercial area of N. Beach Road. Responsible for the grading and drainage design of the system and permitting process through the FDEP. Coordinated with the electrical subconsultant on the lighting design for the project to meet safety requirements as well as Sea Turtle compliance with lighting.

Key Tree Cactus Preserve, Village of Islamorada, Islamorada, Florida. Managed the new boardwalks, floating dock, parking lot, stormwater system, and natural trails at the park. Coordinated with the Village of Islamorada staff on the design in the environmentally sensitive habitat. The design utilized the mulched trails to keep the pathways as natural as possible to avoid impacts. The paths then connected to wooden boardwalks through the mangrove swamp. One boardwalk terminated at a floating kayak launch and the other was designed to have an observation deck area.

Service Dock and Floating Dock Repair/Replacement, FDEP, Lignumvitae Key, Florida. Managed the service dock replacement which consisted of a fixed wooden dock, gangway, floating dock, and concrete loading ramp to bring supplies onto the island. As a separate project on the island, served as the design engineer for the repair of an existing 2,500SF dock that serves as the main point of entry to the island. The pile caps and concrete deck were replaced due to spalling and the secondary wood finger dock and ramp were replaced in their entirety. Permits from USACE and SFWMD were obtained.

Collier-Seminole State Park Boat Basin Improvements, FDEP, Naples, Florida. Responsible for the boat basin improvements within Collier-Seminole State Park. The project entailed a seawall inspection, dock replacement, fishing pier addition, and the addition of an ADA compliant floating dock. Permitting was completed through SFWMD and Collier County.

Liverpool Boat Ramp, DeSoto County, Arcadia, Florida. Managed the design, permitting, and construction of the new single lane boat ramp, new dock, and seawall. The project was funded through the Florida Fish and Wildlife Conservation Commission Florida Boating Improvement Program. The total construction cost was approximately \$850,000.



Lourdes "Luli" Ramalle PE

Environmental Engineering

Experience

4+ Years

Education

BS Civil Engineering,
Florida Gulf Coast
University

Accreditation

Professional Engineer,
FL #102452

Luli has been with Apex (Weiler Engineering) for 4+ years and currently serves as a Design Engineer/ Permitting Coordinator within the Civil Engineering department. Luli specializes in residential, commercial, and public engineering projects throughout Southwest Florida. She works closely with agencies like FDOT, FDEP, SWFWMD, and the ACOE, as well as many counties, handling design and permitting tasks for a wide range of projects. In her role within the civil engineering department, she helps move projects through the review and approval process while keeping things coordinated with the different regulatory groups.

General Experience

John Pennekamp Boardwalk, FDEP, Key Largo, FL. Served as the permitting coordinator for the design and construction of a boardwalk at John Pennekamp State Park. Apex was responsible for both the design and permitting of the project, and Ms. Ramalle worked closely with agency and park staff throughout the process, assisting with design coordination and preparing all required permit applications. The project involved obtaining approvals from USACE, Monroe County, SFWMD, and DOH, all of which were secured within a three-month timeframe, including the SFWMD permit, which was issued in just 28 days. Responsibilities included facilitating communication between the design team and regulatory agencies and ensuring all permitting requirements were met to keep the project ahead of schedule.

Cayo Costa State Park Hurricane Repairs, FDEP, Lee County, FL. Served as the permitting coordinator for the design and restoration of multiple structures and dredging areas within Cayo Costa State Park following Hurricane Ian. Apex was responsible for both the structural repairs and dredging design. Luli worked closely with structural staff to ensure that proposed replacement buildings met State and County resilience standards. A major component of her role involved preparing and coordinating more than 20 permit applications, securing approvals from a wide range of agencies—including the ACOE, DHR, DOH, local water authorities, County departments, SFWMD, and the State Fire Marshal—to ensure the project could move forward without delay.

Perry Hotel Naples, FOD Perry Naples, Naples, FL. Served as the permitting coordinator for the design and construction of the Perry Hotel Naples in Collier County. Apex provided design, permitting, and construction services for the project, and Ms. Ramalle supported the design and permitting of the stormwater, water, and wastewater systems. She managed the permitting process, securing multiple local and state approvals and processing several modifications to the local permit to address design changes that arose during construction, ensuring the project remained compliant and on track.

Lee County Boardwalks, Lee County, Fort Myers & Bonita Springs, FL. Serving as permitting coordinator for the replacement of multiple boardwalks at Fort Myers Beach and Bonita Springs in collaboration with Johnson Engineering. Luli leads local and state permitting, navigating updated ordinances and complex approvals. Although a variance was not originally required, the County requested one shortly before the public hearing. Luli prepared and submitted the variance application within 24 hours, ensuring the project stayed on schedule.

Myakka State Boardwalk, FDACS, Sarasota, FL. Served as permitting coordinator for the construction of a boardwalk at Myakka State Forest. Luli led the permitting process, attending all necessary pre-application meetings and coordinating with local and state agencies to secure all required permits within five months. By efficiently managing the permitting process, she ensured that all project milestones and funding deadlines were met, allowing the project to advance without delays.



Max Morgan PE

Structural Engineer

Max Morgan, PE, is a Florida-licensed Professional Engineer with seven years of experience in structural engineering and is in Gulf Coastal Southwest Florida, where coastal design is commonplace. Mr. Morgan is experienced in overseeing issues pertaining to construction and resolving issues related to unfavorable field conditions and unexpected necessary design modifications. Max is proficient in multiple structural design methodologies and maintains familiarity with numerous design standards, including ASCE/SEI 7-22, ASCE 24-14, ACI 318-19, AISC SCM, AWS NDS 2018, and TMS 402/602-16, in addition to national, state, and local codes. He also is experienced in performing field inspections, including post-hurricane damage assessments and private provider inspections.

Experience

7 Years

Education

BS Civil Engineering,
Florida Gulf Coast
University

Accreditation

Professional Engineer,
FL #94877

10-hour OSHA
Construction Safety
and Health
Certification

EPA CGP Site
Inspector Certification

General Experience

Veterans Park Expansion and Rehabilitation, DeSoto County, DeSoto County, Florida.

Funded in part by a grant from the Florida Fish and Wildlife Conservation Commission (FWC), this project consisted of a new boat ramp and parking area. Assisted with the structural calculations for the boat ramp foundation and served as the primary draftsman as a member of the structural design team. Served as the project manager and primary point of contact for the client and contractor for the construction phase of the project. Reviewed documents from the contractor, including applications for payment and submittals. Performed field inspections when required and advised site personnel when conflicts were discovered.

Live Oak Point Park Seawall Strengthening, Charlotte County, Charlotte Harbor, Florida.

Design for reinforcement of the seawall retaining the Live Oak Point Park overlook to remediate subduction of uplands. The park's location adjacent to the Barron Collier Bridge required careful planning to avoid impacts on the bridge foundation. Scope included designing the new seawall and providing guidance to prevent conflicts with existing structures.

Harbor Heights Park Pier Replacement, Charlotte County, Punta Gorda, Florida.

Responsible for performing daily construction progress inspections and answering contractor questions for a project to replace two fixed docks at Harbor Heights Park in Charlotte County. Tasked with conducting the closeout walkthrough with the client.

Dock Replacement Lignumvitae Key Botanical State Park Service, FDEP, Islamorada, Florida.

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. Responsible for assisting in the design of a dock and vehicle-rated loading ramp, ensuring the design accounted for the cost of mobilizing heavy equipment to the island and the low elevation of the existing topography.

Marina Dry Boat Storage Facility, Garrison Bight SMI, Key West, Florida.

Design of a new boat storage facility in a developed area on a relatively small lot. To facilitate the dry storage of customers' boats, the client intends to use a Wiggins Marina Bull, a large special purpose forklift with an operational weight of potentially over 100,000 pounds. A specially designed slab was required to accommodate this equipment in addition to typical marina facilities, including a seawall capable of withstanding the loads from the forklift.

John Pennekamp Coral Reef State Park Pedestrian Bridge Replacement, FDEP, Florida. Design and drafting for the replacement of a damaged 30-foot timber pedestrian bridge spanning a shallow creek. Due to the length of the unsupported span, special considerations were required to achieve structural integrity using conventional materials. The solution involved uniform diameter timber piles, designed under the direction of the engineer of record. Responsibilities included creating and revising plans in a timely manner to meet project requirements.



Brittney Johnson PE

Civil/Coastal Engineering

Brittney Johnson is a licensed Professional Engineer with more than a decade of experience in engineering, planning, and construction management throughout Florida. Her expertise includes land development, stormwater and sewer system design, master planning, permitting, and construction oversight. She has successfully led projects across Desoto, Charlotte, Sarasota, and Monroe Counties, focusing on sustainable, community-driven solutions.

Based in Punta Gorda, Brittney excels at assembling and managing high-performing teams, coordinating complex construction projects, and working with stakeholders to secure approvals and align development plans with local regulations. In addition to her professional work, she serves as a board member for Habitat for Humanity and previously worked as a FEMA Hazard Mitigation Specialist, helping communities strengthen infrastructure and reduce disaster risks. Her leadership and technical expertise make her a trusted partner in delivering resilient, cost-effective projects that enhance Florida's communities.

Experience

12 Years

Education

BS Civil Engineering,
Florida Gulf Coast
University

Accreditation

Professional Engineer,
FL #86503

Qualified Stormwater
Management
Inspector, FL #37459

Associations

Charlotte County
Habitat for Humanity
Board Member since
2017

PORCH, Peace River
Community Housing
Partners
Board Member Since
2019

General Experience

Harborwalk West, Infrastructure & Park Improvements, Punta Gorda, Florida. Directed design, permitting, and construction oversight for a LAP-funded project designated as "critical" by FDOT. Delivered site improvements including structural elements, park amenities, lighting/electrical systems, water and sewer services, landscaping, and irrigation. Managed SWFWMD permit modifications, ACOE permit extensions, cost estimating, and coordination with FDOT and City staff to maintain proprietary design standards. Provided construction-phase support through geotechnical testing oversight, submittal review, RFI responses, inspections, and collaboration with the City's Project Manager to ensure successful project delivery.

Fishermen's Community Hospital, Hospital Redevelopment, Marathon, Florida. Responsible for civil engineering design of the replacement hospital at the existing site following severe damage and condemnation after Hurricane Irma. Scope includes site and utility design, cost estimating, QA/QC, and permitting with applicable regulatory agencies. Provided ongoing coordination to ensure compliance and timely project delivery.

Isla Bella Resort, Monroe County, Florida. Led design and permitting for a 200-unit waterfront hotel and resort amenities, including stormwater management systems, utility infrastructure, boat ramp abandonment, and parking facilities. Oversaw construction during Hurricane Irma, performing damage assessments and developing remedial plans for seawall and back stabilization repairs requiring ACOE coordination. Partnered with the client throughout construction to mitigate hurricane impacts on schedule and costs, ensuring project continuity and compliance.

Stock Island Marina Village & Perry Hotel, Stock Island, Florida. Managed utility design and coordination for an 8+ acre mixed-use waterfront development featuring a 300+ slip marina, hotel, restaurant, pool bar, rum distillery, and community amenities. Delivered water and sewer infrastructure including 300 LF watermain extension, two master lift stations, three auxiliary pump stations, a master meter assembly, backflow prevention systems, and in-slip pumpout connections for every marina slip. Secured CVA Grant funding to offset marina infrastructure costs. Directed Phase II modifications to accommodate new hotel and additional buildings, including stormwater well relocations, lift station design, water system extensions, and regulatory permit revisions. Provided construction-phase support through dewatering permit acquisition and contractor submittal reviews.



Davin Guire Helgesen PE

Civil/Coastal Engineering

Davin Helgesen is a graduate from Florida Gulf Coast University with a Bachelor of Science in Civil Engineering. Davin has over 4 years of experience in civil engineering project sitework and utility design. Davin's experience is in permitting, utility studies, utility management, stormwater design and Engineering inspections and review. Through his role as a Design Engineer, Davin has worked with local governmental agencies and municipalities for stormwater and utility design. Davin has worked with SWFWMD, SFWMD, FDOT, FDEP, FCAA and other permitting agencies and Cities on several projects.

Experience

4 Years

Education

BS Civil Engineering,
Florida Gulf Coast
University

Accreditation

Professional Engineer
FL # 101863

General Experience

Lofts at Bahama Village, Vestcor Companies, Key West, FL Davin was part of the team contracted to design and permit the civil site work components for 3 multi-story buildings located in the heart of Key West. As the Design Engineer, Davin was responsible for site design. He designed the stormwater management system, modeling in ICPR 4, completing the engineering report, and submitting permits to SFWMD, the city of Key West, FCAA and FDEP. Davin worked with FCAA and the city of Key West in the coordination on the potable water and gravity sewer system on the design and permitting. Davin was tasked with the CEI of the project regarding submittal review and correcting any RFIs or issues that might have been found by the contractors during the construction of the site's groundwork and utility construction.

Coco Vista Apartments, Vestcor Companies, Key West, FL Davin was part of the team contracted to design three affordable housing apartments with stormwater systems and utility connections in the Florida Keys. As the Design Engineer on the project, Davin assisted with the stormwater design utilizing exfiltration trenches and dry retention ponds to maximize the developable area. Davin used ICPR4 to model the system, completed an engineering report, and submitted for permitting through SFWMD for stormwater management design. Davin worked on the potable water, sewer service lines, and lift station design for the project and completed the permitting required through the FDEP and Florida Keys Aqueduct Authority. Davin was tasked with the CEI of the project regarding submittal review and correcting any RFIs or issues that might have been found by the contractors during the construction of the site's groundwork and utility construction.

Luxe Storage, Punta Gorda, FL Davin was part of the team contracted to design a self-storage facility to be built in two phases within the City of Punta Gorda. As the Design Engineer, Davin assisted with the stormwater management system and modeling it within ICPR 3. Davin also designed the engineering report and traffic impact statements to submit permits to the required permitting agencies. Davin was responsible for verifying the overhead utilities for conflicts with the proposed entrances for the site.



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: 6 Years
With Other Firms: 1 Year

Education

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

Professional Organizations/Registrations/Awards

American Society of Civil Engineers
American Concrete Institute
Phi Beta Kappa Honor Society

Mr. Musgrave has worked in the field of Structural and Geotechnical Engineering for more than seven 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 the Florida's Turnpike Enterprise. Mr. Musgrave also has extensive experience in structural testing including GPR evaluation of concrete and steel reinforcement.

PROJECT EXPERIENCE

District I

I-75 (SR 93) Widening from SR 951 to North of Golden Gate Parkway, Collier County
SR 29 from SR 82 to Hendry County Line, Collier County
Vanderbilt Beach Road (CR 862) Bicycle Lane Improvements, Collier County
Sunshine Boulevard from 17th Avenue SW to Green Boulevard, Collier County
Districtwide Scour Evaluation for Bridges with Unknown Foundations Contract
I-75 (SR 93) Widening over the Manatee River from US-301 to SR 64, Manatee County
I-75 (SR 93) Widening at SR 70 Interchange, Manatee County
I-75 (SR 93) at SR 72 (Clark Road), Sarasota County
SR 64 (Manatee Avenue) from SR 789 to Perico Bay Boulevard, Manatee County
CR 720 (Canal Road) from SR 78 to Dead End, Glades County
CR 733 (3rd Street/Main Street) from US 27 to US 27, Glades County
Alico Road Widening From East of Ben Hill Griffin Parkway to Airport Haul Road, Lee County
Metro Parkway from Winkler Avenue to North of S.R. 82, Lee County
SR 82 from Lee C/L to Collier C/L, Hendry County
Francisco Street from Sonora Avenue to US 27, Hendry County
SR 82 from Homestead Rd. to Hendry C/L, Lee County
Central Polk Parkway (Segment 4), Polk County
Transportation Improvement Plan Projects Seminole Tribe of Florida Roadways, Hendry County

District VII

Districtwide Geotechnical Contract
Districtwide Scour Evaluation for Bridges with Unknown Foundations Contract
SR 54, from East of CR 577 (Curley Rd.) to East of CR 579 (Morris Bridge Rd.), Pasco County
I-75 (SR 93) South of Fowler to South of Bruce B. Downs, Roadway and Bridge, Hillsborough County



Proposed Management Plan

II. Proposed Management Plan

A. Team Organization

Our team is led by Brian Corso. Brian has performed many designs for Charlotte County involving repairs and replacement of coastal structures and has recently completed the design of the replacement of the seawall within Bayshore Like Oak Park. Due to Apex'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. Brian was also previously the project manager for the underwater inspection and non-destructive testing at **Anger Fishing Pier** with scope completed in 2024.



Apex prides itself on having an aggressive design and permitting timeline and meets these objectives by having an in-house team who is not only 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 the legacy companies of WEC and Johnson Engineering in the past.

Key Staff	Site Analysis/ Permitting	Schematic Design	Design Developments	Construction Documents	Construction Observation
Brian Corso	X	X	X	X	X
Robin Palmer, PE	X	X	X	X	X
Max Morgan, PE			X	X	X
Brittney Johnson, PE		X	X	X	
Laura Herrero	X	X	X		
Kevin RisCassi, PSM	X				
John Glenn, PE					X
Davis Johanson					X

B. Roles and Responsibilities of Participants

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

Senior Project Manager | Brian Corso

- 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

Civil Engineering | Brittney Johnson, 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

Structural | 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

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 applications with all information needed for review by agencies
- Maintain ongoing communication with review staff and respond to requests for additional information quickly

Survey & Mapping | Kevin RisCassi, PSM

- 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

Ecology/Environmental | Laura Herrero

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

Geotechnical | Tom Musgrave, PE (Tierra)

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

CEI | Davis Johanson & John Glenn, PE

- 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





Previous Experience of Team

III. Previous Experience of Team

A-D. Relevant Work History

Apex maintains two offices in Charlotte County, including our Punta Gorda headquarters and a second office located across from the main county campus. Since 1993, we have served Southwest Florida with a continuing local presence and expanded regional support. Apex 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 Apex. Our firm is already familiar with the projects listed in this RFP and is very comfortable with completing the proposed improvements to the Anger fishing pier and approach.



Apex has completed many similar projects in Southwest Florida. We are a leading firm in civil and structural engineering and have worked on many park projects. We understand the importance of the park layout, features, and amenities and how all these items are linked together. Our civil engineering staff are experts on site layouts for parks and can efficiently use the limited project area. Our team is extremely familiar with sidewalks, multi-use paths, parking lot design, stormwater management, ADA requirements, and other park amenities. Our structural engineering department has completed many structural amenities for parks including kiosks, educational signage, and boardwalks.

Apex 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 Apex’s relevant project experience.



Boca Grande Lighthouse Boardwalk Replacement | Gasparilla Island

Other beach access boardwalks at this State Park have been rendered inaccessible and closed due to extensive erosion of the beach up to and including the frontal dune. Apex inspected the site and existing boardwalk and provided recommendations to FDEP, that being to demolish and replace the boardwalk. This high-profile project adjacent to the historic lighthouse at Boca Grande Pass required a creative design that maximized longevity and Return on Investment of public funds while staying within the design requirements for expendable minor structures that are permissible seaward of the Coastal Construction Control Line (CCCL). Environmental constraints to design including the presence of tortoise burrows and sea turtle nesting areas were also carefully factored into the design to avoid conflicts or disturbance. Apex worked closely with FDEP Bureau of Design and Construction (BDC) and Park staff and FDEP CCCL Reviewer to develop a design that paralleled the erosion face along the landward side of the frontal dune, before crossing the dune at the protected point of a buried coastal armoring structure (rock jetty), thereby minimizing the possibility of future erosion to this particular beach access boardwalk.



Harbour Heights | Punta Gorda

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



John Pennekamp Boardwalk: Bridge Repair | Key Largo

Apex worked with the Florida Department of Environmental Protection on 3 different projects at John Pennekamp Coral Reef State Park. Apex was contracted to evaluate and prepare repair plans for the existing restroom. It was later determined to be beyond repair and Apex prepared the design plans for the replacement restroom. The new restroom is approximately 2,250SF and elevated 10' above the ground to meet FEMA requirements. The restroom is access through a switch back ramp. Apex 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.

Apex conducted a site visit to determine the scope of repairs that would be required. Apex 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 Apex 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. Robin Palmer was the Project Manager and Design Engineer in charge of permitting the bridge repair. Apex obtained an Exemption from the South Florida Water Management District and a permit from the U.S Army Corp of Engineers.



Bahia Honda State Park Sandspur Beach Campground

| Big Pine Key

Apex 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 to Sandspur Beach. Robin Palmer, P.E., was the Project Manager and Design Engineer for the project. Apex 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. Apex 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.



Ponce De Leon Seawall & Boardwalk Structural Assessment & Construction Documents

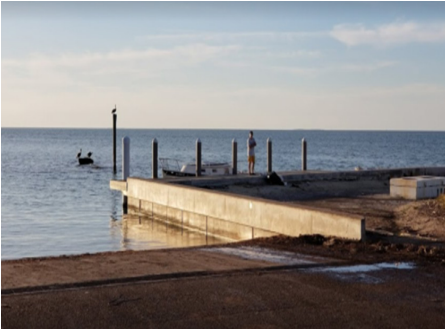
| Charlotte County

Apex 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. Apex delivered 100% Construction Plans and Final Construction Documents in June 2020.



Apex 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.





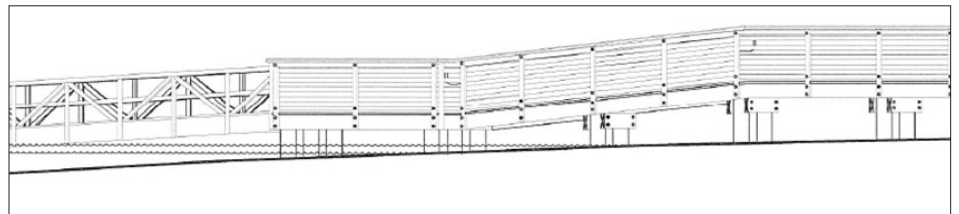
Assessment, Rehabilitation, & Improvements-33rd Street Boat Ramp Park & Dock | City of Marathon

In addition to designing, permitting and securing sovereign submerged land lease for the City of Marathon's largest boat ramp, Apex 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.



Key Tree Cactus Preserve | Village of Islamorada

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, Apex was contracted to design several major improvements to the site. Apex 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.





Dock, Boardwalk & Seawall Assessment & Alteration | Collier-Seminole State Park

Apex 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. Apex 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. Apex also provided design improvements, to include a floating dock with gangway, seawall improvements, an ADA accessible fishing platform at the site, and an Apex accessible kayak launch with parking. Apex 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 Apex'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 Apex. These recommendations proved sound, as the existing seawall recently survived a direct landfall by Irma with no damage.



Morgan Park Riverbank Erosion Restoration | Desoto County

Apex 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. Apex 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 was completed in January 2019. Apex 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.



Stock Island Marina Village | Florida Keys

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. Apex 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 Apex 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.

Apex 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.



Firm & Project Manager References

DeSoto Veterans Memorial Park Boat Ramp | Desoto County

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Morgan Park Riverbank Erosion Project | DeSoto County

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Live Oak Point Phase 1 | Charlotte County

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William R. Gaines Veterans Memorial Park Boardwalks | Charlotte County

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Perry Marina Key West (Formerly Stock Island Marina Village) | Integra Marina

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Lee County Boardwalks | Lee County

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IV. Project Control

IV. Project Control

A. Schedule

1. Techniques planned to assure schedule is met

Apex 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. Apex has developed an expertise in these areas as they relate to coastal projects and has developed proven strategies for success.

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, Apex was successful at obtaining the seawall replacement permit for three locations within the nearby Live Oak Point Park project permitted by Army Corps in as few as seven days. While this is atypical, there are numerous methods Apex has implemented in order to expedite the Army Corps review process.



- **Scheduling pre-application early 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 prop root 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 on 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 permit from either the FDEP or SWFWMD. These permits are subject to state mandated review times, much 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 aide in consolidating the review time of the project.

FEMA Involvement

Through 14 years of serving as DeSoto County's Engineering Consultant, Mike Giardullo and Apex 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, Apex has developed a working knowledge of FEMA processes. From the day following Hurricane Ian, Apex 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, Apex 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.

Apex 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 Anger Fishing Pier and 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 for each task and any issues that might be of concern for the overall schedule.
- **Simultaneous Scheduling** - Having a robust team of professionals and resources like ours; we propose to have teams working together including survey crews, experienced CAD teams, and will utilize simultaneous permitting applications in order 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 near 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 made 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 the 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, Brian Corso will ensure these techniques are used in order to keep the project on schedule and on-task. Our philosophy is "say what you are going to do, do what you say." Brian is regularly available, and in the event he is not, Robin Palmer 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?

As the Project Manager, Brian Corso 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 Apex include:

- **Understanding of Scope** - The scope of services defines the County's objectives and our services. In the scope meeting, Brian Corso 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 Apex to manage resources and team members to address the project appropriately.
- **Cost Database** - Apex 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 RS Means data.
- **Past Experience and Alternative Methods** - Apex's past experience with pier repair projects includes many projects throughout Charlotte County, surrounding counties, and the Florida Keys. We have provided design and estimate 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 they have 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 Sunset Boulevard sidewalk and Marathon Boulevard pathway projects or the Loveland Boulevard Multi-Use Pathway 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?

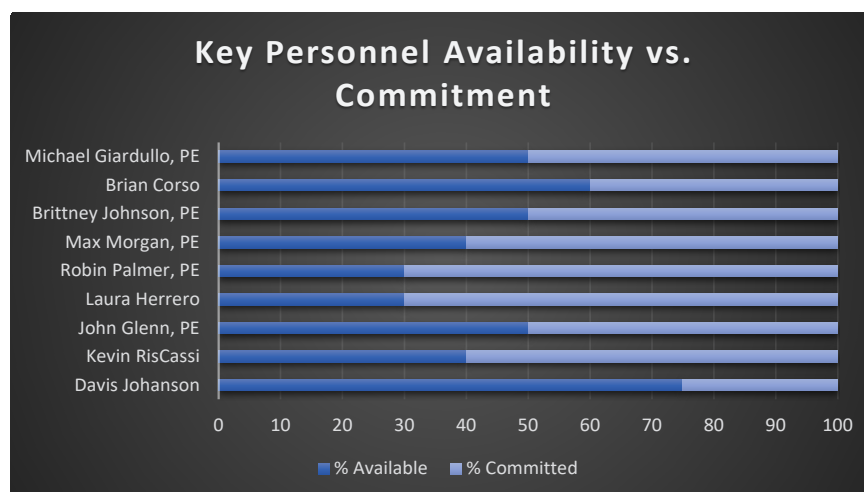
Like schedule control, every team member is responsible for cost control. It needs to be a constant concern, something in the back of everyone's mind. Ashlie and I will work together to ensure cost is held paramount throughout the design process. Putting it down on paper is one thing, being able to construct it for a reasonable cost is another. Fortunately, Apex 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** - For this project, the design is complete awaiting on final permits before construction starts.
- **Live Oak Point Park** - 100% plans are complete. Project is waiting on an FPL easement which is currently being routed for final signatures.
- **William R. Gaines** - 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 FDEP permit is obtained, 100% plans will be issued.

The timing for this project is perfect. We have the bandwidth to ensure the needs of the County and the residents that use the Anger Fishing Pier and Approach are met. The below chart depicts the availability of key staff members from Apex. 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.





Proposed Design Approach

V. Proposed Design Approach

A. Design Methodology

Apex Companies conducted site visits on February 7th and June 3rd of 2024 to investigate the extent of the damages to the fishing pier and any non-compliance concerns. From these investigations, a combination of fungal decay, dry-rot, fire damage, and hurricane damages have significantly degraded the safety and remaining life expectancy of the fishing pier. A site-specific design utilizing repairs to historic bents, adding crutch bents, and replacing members in-kind will be done to restore this historic landmark. Pile jacketing, pile wraps, and sealants may be implemented to increase the life expectancy of any members that are to remain. Where appropriate, sections of the historic pier may be replaced fully depending on the extent of damage in that area.



Selections of Alternatives

Apex has thoroughly evaluated multiple restoration alternatives for the Anger Fishing Pier, leveraging extensive inspection findings alongside our broad experience in designing and rehabilitating waterfront structures throughout Southwest Florida. The options considered range from a minimal patch-and-preserve approach, which involves selective replacement of visibly deteriorated timber components, to a comprehensive in-kind timber renewal that replaces all moderately to severely damaged members with treated lumber and modern corrosion-resistant hardware. Another alternative is a full structural replacement which offers superior longevity but entails significant cost and loss of historic significance. After careful consideration, Apex recommends a hybrid restoration strategy that integrates the preservation of sound timber elements with the replacement of those members that are too degraded to repair. This approach achieves an optimal balance between maintaining the pier's historic character and ensuring long-term structural resilience. This would extend the service life of the pier by approximately 50 years, reduce future maintenance needs, and improve resistance to marine deterioration. This approach would also minimize environmental impacts and permitting complexity by limiting new in-water construction.

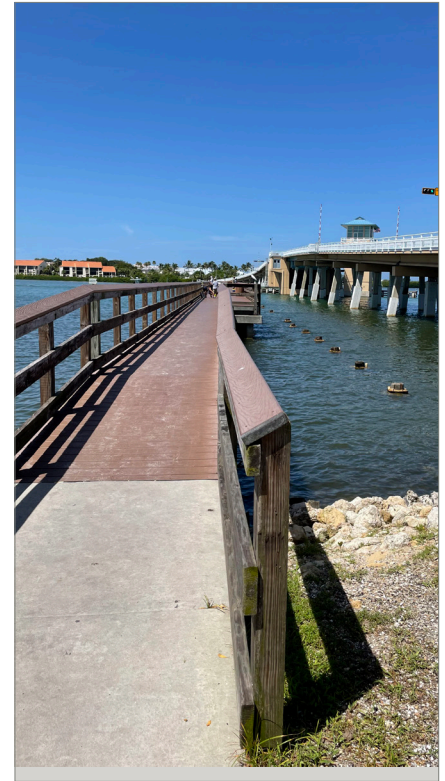
Proposed Scope of Work and Recommendations

Apex has assessed the existing conditions of the Anger Fishing Pier through detailed structural inspections conducted on February 7 and June 3, 2024. Based on the findings, a targeted and professional restoration strategy has been developed to address observed deficiencies, improve structural performance, and preserve the historic character of the pier. 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 members, including but not limited to decking planks, stringers, caps, guardrails, and severely decayed or broken pilings, are to be removed and replaced. All replacement materials will be selected for their durability and marine compatibility, including pressure-treated, marine-grade timber and, where advantageous, FRP, HDPE, or Aluminum components. In-kind replacement will be utilized where feasible to maintain the historical appearance of the pier while enhancing overall structural integrity.
- **Installation of Crutch Bents** - While supplemental crutch bents can be installed beneath existing structural elements where support bents exhibit advanced deterioration or diminished load capacity, the use of crutch bents will expand the overwater and in water work and trigger a more intense ASCE permitting requirement. During our scoping phase, we will finalize our specific approach to determine if adding crutch bents is worthwhile considering the additional permitting duration.

- **Installation of Pile Repairs** - Remaining timber 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 increase redundancy and prolong the functional lifespan of the pier 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. Transitions from the access pathway to the pier will be evaluated and, where necessary, reggraded or reconstructed to provide fully barrier-free access for individuals with mobility impairments.
- **Decking Replacement and Surface Restoration** - Complete replacement of all existing deck planks will be carried out using slip-resistant materials such as, P.T. decking, timber, or HDPE decking. Decking is recommended to be heavy timber or HDPE due to its weather resistance, structural performance, and minimal maintenance requirements.
- **Utility Infrastructure** - Fire lines, conduits, and other utility infrastructures currently exposed or vulnerable will be securely housed beneath the new decking system to reduce wear and protect critical systems.
- **Regulatory Coordination and Permitting** - All proposed work will be coordinated with the appropriate regulatory agencies, including the Florida Department of Environmental Protection (FDEP), the U.S. Army Corps of Engineers (USACE), and applicable local permitting authorities. Apex will prepare and submit required documentation, leveraging its extensive experience with coastal and marine regulatory compliance to support efficient project approval.

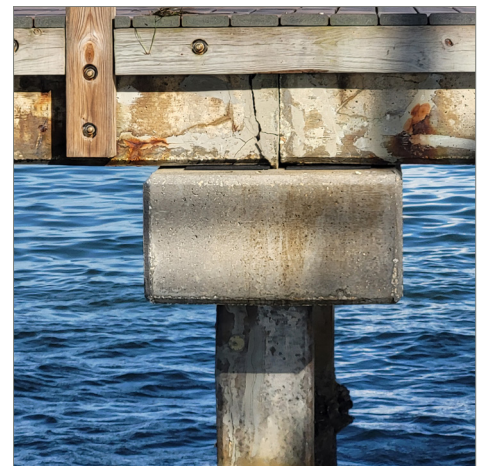


Phasing

The Anger Fishing Pier has suffered extensive timber decay, dry rot, fungal degradation, fire damage, and structural wear that compromise safety and code compliance. Restoration can be completed in phased steps to address these issues efficiently while minimizing public disruption. Initial work includes securing permits, surveys, and site preparation. Severely damaged decking, guardrails, stringers, and piles will be removed, with salvageable materials preserved and reinforced. Substructure repairs involve installing crutch bents and applying protective jacketing to existing piles. The superstructure will be rebuilt using durable decking and upgraded utilities. Guardrails and accessibility features will be reconstructed to meet Florida Building Code and ADA standards. Final inspections and quality assurance will conclude the project, expected to take nine to eighteen.

B. Anticipated Problems

Apex anticipates several potential challenges during the restoration of the Anger Fishing Pier. One of the primary concerns involves concealed structural deterioration that may become evident only after selective demolition has begun unless an additional penetration testing is performed during the first phase at the direction of county. Timber decay, dry rot, and fungal degradation may be more extensive than initially anticipated, which could require additional reinforcement or complete replacement of certain members beyond the current scope. Furthermore, the pier's location within a coastal and environmentally sensitive area may introduce permitting constraints and timing restrictions, particularly for in-water construction activities.



Site logistics also present a unique set of challenges. The narrow, linear layout of the pier limits staging areas and equipment access, which could affect the efficiency of material handling and crew movement. Seasonal weather impacts, especially during periods of heavy rain or storm activity, may cause scheduling delays. In addition, maintaining public safety and minimizing access disruptions throughout the phased construction will require proactive communication, detailed scheduling, and strict on-site safety management. Apex will address these anticipated challenges through adaptive construction planning, close coordination with regulatory agencies, and a responsive field management approach.

C. Innovative Approaches

1. **Hybrid Timber** - FRP Structural Design - The structural assessment revealed extensive deterioration in many of the timber components, including bents, piles, and stringers. To address this, a hybrid structural system could be utilized such as jacketing with fiber-reinforced polymer (FRP) in conjunction with pressure-treated timber bracing or steel reinforcement of bents. This design not only strengthens the overall load-bearing capacity of the pier but also ensures enhanced resistance to marine borers, rot, and saltwater intrusion while preserving the historic visual character of the original timber structure.
2. **Epoxy** - Jacketed Pile Rehabilitation - Where timber piles are found to be structurally sound but vulnerable to ongoing degradation, epoxy-coated fiberglass jackets can be applied to seal and protect them. This approach prevents further decay and eliminates the need for complete pile replacement, preserving material, reducing environmental impact, and extending the functional life of original substructure elements with minimal visual alteration.
3. **Code** - Compliant Guardrail and Decking Redesign - The existing guardrails were identified as non-compliant in both height and spacing, creating safety risks for the public. A full redesign of the railing system using modern materials - such as composite or treated timber - will ensure compliance with Florida Building Code (FBC) and ADA requirements. Additionally, replacing the worn and uneven decking with slip-resistant, code-compliant materials will improve both safety and accessibility for all users.
4. **Prefabricated Superstructure Assembly** - To streamline construction and reduce site disturbance, prefabricated guardrail segments can be fabricated off-site or in the staging area and installed in modular sections. This method minimizes labor intensity on-site, ensures higher consistency in workmanship, and supports an efficient phased construction plan - especially beneficial given the pier's narrow footprint and limited access conditions.



Examples of Similar Projects

VI. Examples of Similar Projects

A. Describe the Projects to Demonstrate

Throughout this RFP response Apex 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 requires a challenging schedule in order to meet FDOT LAP funding deadlines and requirements. In order to meet the deadlines, Apex 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 Apex, 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, Apex worked with the County and designated Contractor to establish a design-build project. By incorporating all parties from the beginning Apex 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 Apex, the Contractor, the County, and the local Veteran's.

Our experienced team employs value engineering techniques throughout project development and construction management. For example, Apex 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 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, Apex staff has been involved with every facet of construction. Our current team includes Michael Giardullo, P.E. 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. Apex assisted the City in negotiating the contractors fee for removal of such pipes to reduce the total change orders significantly. Apex 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

Apex 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.

4. Projects Delivering Seawalls (Boardwalk, Piers, Similar Structures)

While Apex has extensive coastal design, permitting and CEI experience, it is our understanding that Charlotte County would like us to specifically expand on our boardwalk, pier, kayak launch and similar structure experience. 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 Apex has completed or is currently under contract.

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

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

Experience & Capabilities

VII. Experience & Capabilities

A. Value Engineering

Apex employees value engineering to every aspect of the approach for a project. Apex believes that being able to provide cost-saving alternatives for the client is the most important aspect of the design process. Apex understands that quality should never be sacrificed when there is a goal in mind but with the combined experience of the team, Apex 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** - Apex provided alternatives for boardwalk repairs with cost estimates as alternate options
- **Charlotte County's Live Oak Point Seawall Assessment** - Apex provided alternatives for seawall repairs with cost estimates.
- **Charlotte County's Darst Park** - Apex 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** - Apex analyzed shoreline stabilization alternatives to repair damage caused by Hurricane Ian and utilized a steel sheet pile option.
- **Punta Gorda Burnt Store Lock Widening** - Apex 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** - Apex 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 & Control

Apex collaborates well with 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, Apex 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, Apex 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

Apex 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, Apex will weigh the desired result of the project with the location, cost, and longevity of the material.

Apex 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** - Apex 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. Apex 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** - Apex assisted the FDEP a life cycle analysis on their existing potable water treatment system through cost comparisons and life expectancy for the hydropneumatics tank, storage tank, and aerator. The design process is complete and awaiting construction.
- **Collier-Seminole State Park** - Apex 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. Apex 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** - Apex provided several cost estimates for repair work to an existing dock that was damaged during Hurricane Irma. Apex 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** - Apex assisted the FDEP with evaluating an existing coastal restroom with extensive concrete spalling damage. Apex 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, PE will be heading the environmental assessments necessary for this project. Apex 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 provided us with 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

Apex 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. Apex 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. Apex provided an in-depth assessment for the park in 2022 and is currently waiting on final permits to issue 100% plans. Apex 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, Apex inspectors supervised the installation of native plants to supplement the wetlands that were impacted by the repair and replacement of the boardwalk improvements. Apex staff permitted the project through the County and SWFWMD. Also, Apex is currently working on the William R. Gaines Veterans Memorial Park project that entails the construction of mulch trails and boardwalks through wetlands. Apex is in the permitting process with SWFWMD and ACOE

F. Specialized Marine/ Coastal Experience

Throughout this proposal, Apex has highlighted a wide variety of marine and coastal projects. In addition to seawalls, Apex 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, PE, 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

Apex focuses on serving a variety of local and state agencies. Apex has completed over 50 state park projects for the Florida Department of Environmental Protection through an ongoing services agreement over the past 10 years. Apex 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, Apex was recently awarded a continuing services contract with the Florida Fish and Wildlife Conservation Commission.

Locally, Apex 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. Apex 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. Apex'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.

Lastly, Apex has extensive experience with all aspects of grant funded projects. Apex has written countless grants applications, provided grand 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. Apex has documented compliance with the grant requirements throughout all phases of the projects.

VIII. Volume of Work

VIII. Volume of Work



Apex Companies total amount of payments received from the County within the past 24 months: \$77,452.



IX. Location

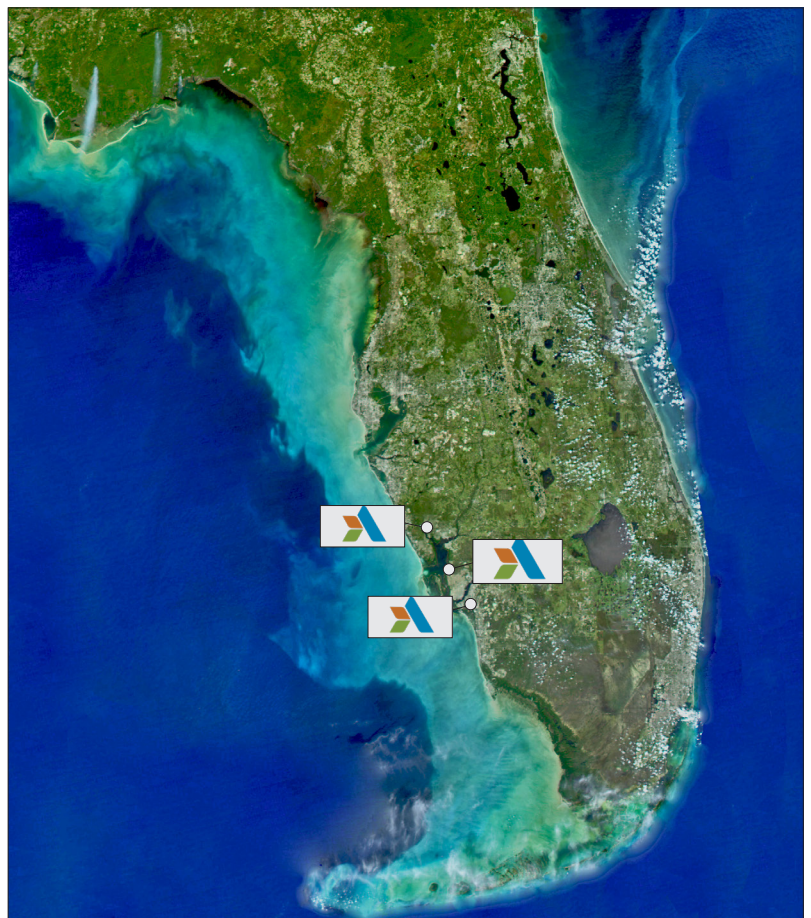
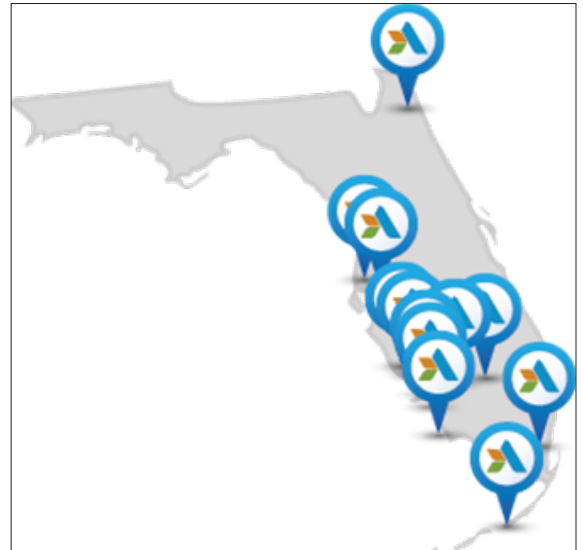
Local Presence

This project will be led by our Punta Gorda office, where the majority of key proposed team members, including the Project Manager are based. Our office is located just 25 miles from the project site, allowing for frequent and convenient site visits to verify field conditions and ensure design accuracy.

Our Apex team has maintained a strong presence in Florida since the late 1990s. This project will be managed from **Apex's local Punta Gorda office**, providing direct access to experienced engineers, inspectors, and designers with in-depth knowledge of local conditions in Charlotte County. Apex maintains 12 offices throughout Florida, offering a deep bench of qualified environmental consulting and coastal design engineering professionals who are available to support the project as needed.

Apex's Punta Gorda office is located at 201 W. Marion Avenue, Suite 1306, Punta Gorda, Florida, and is staffed by thirty-two (32) professionals, the majority of whom reside in Charlotte County. These same local engineers and technical staff, long established in the community, now operate as part of the Apex team, ensuring continuity of personnel, institutional knowledge, and client service under a single, unified organization.

Together, this integrated Apex team provides a broad and coordinated range of services identified in the RFQ, including environmental, civil, structural, and coastal engineering. These core disciplines form the backbone of Apex's practice in Florida and represent the majority of services provided statewide.



Local Apex offices

201 W. Marion Avenue, Suite 1306, Punta Gorda, FL (formerly Weiler Engineering)

17833 Murdock Circle, Port Charlotte, FL (formerly Johnson Engineering)

2122 Johnson Street, Fort Myers, FL (formerly Johnson Engineering)



Litigation

X. Litigation

Apex is a large organization with a nationwide presence. It currently is party to thousands of professional service contracts. On occasion a dispute arises regarding the performance of work under those contracts. Even more rarely does such a dispute progress to the point where Apex is a defendant in a court case. In such matters, Apex categorially denies and vigorously defends against the allegations. Fortunately, most of these matters are amicably resolved between the parties. Any settlement that is reached contains no admission of liability and any compensation paid is strictly done so as a business decision, to forgo the continued expense of litigation. Further, at present, or within the last five years, there is no outstanding litigation, nor has there been any outstanding litigation, arbitrated matter or other dispute to which Apex is, or was, a party which, if decided unfavorably to Apex, would reasonably be expected to have a potential or actual material adverse effect on Apex's ability to fulfill its respective obligations under the submitted proposal.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

7/30/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Graham Company, a Marsh & McLennan Agency, LLC company 30 S 15th Street, 20th Floor Philadelphia PA 19102		CONTACT NAME: John Kilgarriff/Brianne Sullivan PHONE (A/C, No, Ext): 215-701-5440 FAX (A/C, No): E-MAIL ADDRESS: MMAEastGrahamKilgarriffUnit@MarshMMA.com	
		INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A: Starr Surplus Lines Insurance Company	13604
		INSURER B: Tokio Marine America Insurance Company	10945
		INSURER C: Zurich-American Insurance Company	16535
		INSURER D:	
		INSURER E:	
		INSURER F:	

COVERAGES

CERTIFICATE NUMBER: 393228873

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☒ LOC OTHER:			1000065707251	7/31/2025	7/31/2026	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
C	AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ HIRED AUTOS ONLY ☒ \$10,000 Comp ☒ \$10,000 Coll ☐ SCHEDULED AUTOS NON-OWNED AUTOS ONLY			BAP-6393348-01	7/31/2025	7/31/2026	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	☒ UMBRELLA LIAB ☒ OCCUR ☒ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☐ RETENTION \$			1000336571251	7/31/2025	7/31/2026	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
C	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WC-6393347-01	7/31/2025	7/31/2026	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A A B	Professional Liability Pollution Liability Contractors Equipment			1000065707251 1000065707251 CPP6411631-03	7/31/2025 7/31/2025 7/31/2025	7/31/2026 7/31/2026 7/31/2026	Per Claim / Agg Per Occ / Agg Leased/Rented Equip \$1M / \$2M \$1M / \$2M 325,000

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

Property Policy - Tokio Marine America Insurance Company Policy #CPP6411631-03 ; Policy Period 7/31/2025 - 7/31/2026
 Excess Policy - Nautilus Insurance Co. Policy #FFX2047705-10; \$10,000,000 per occurrence Aggregate; Policy Period 7/31/2025 - 7/31/2025
 Excess Policy - Ironshore Specialty Ins. Co. Policy #XSCUW0033575200; \$5,000,000 per occurrence/Aggregate; Policy Period 7/31/2025 - 7/31/2026
 The above Excess Liability Policies provide coverage excess over the above General Liability, Automobile Liability, Employers Liability, Pollution Liability and Professional Liability Policies.

CERTIFICATE HOLDER

CANCELLATION

Apex Companies, Inc. and its subsidiaries incl. Apex TITAN, Inc. 2101 Gaither Rd., Suite 500 Rockville MD 20850	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE
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ACORD 25 (2016/03)

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XI. Minority Business



FLORIDA DEPARTMENT of MANAGEMENT SERVICES

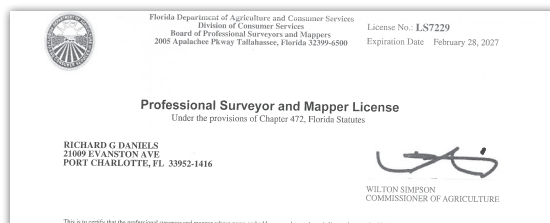
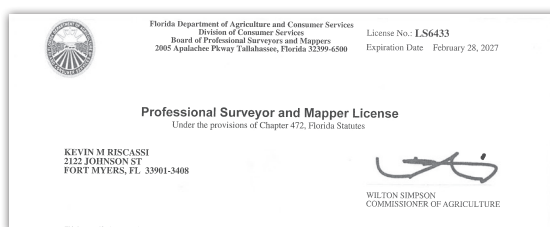
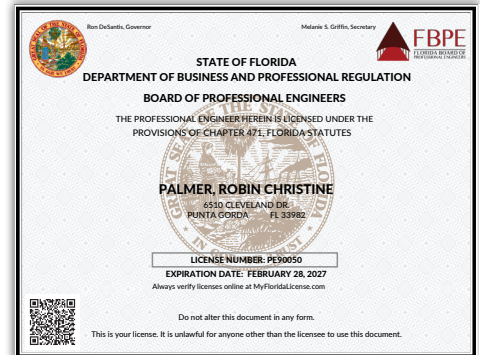
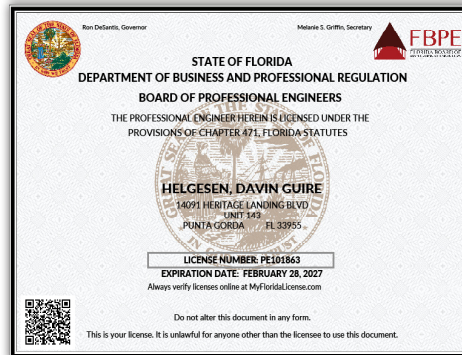
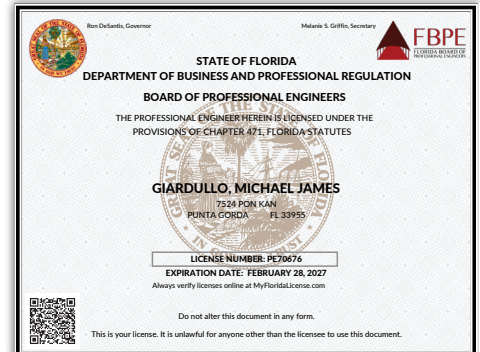
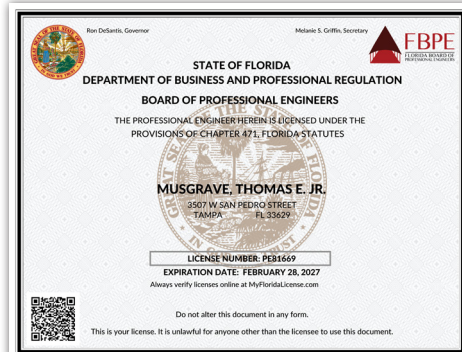
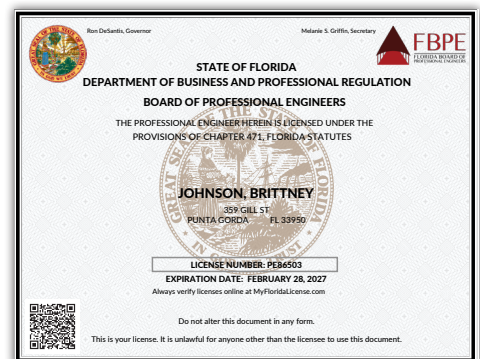
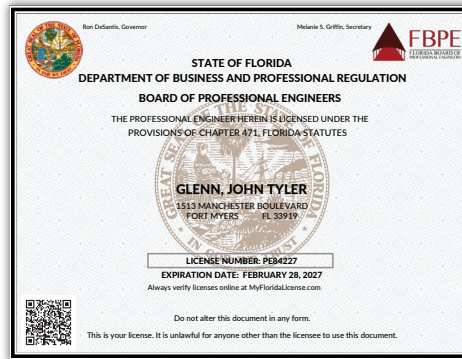
office of supplier
DIVERSITY
We serve those who serve Florida

Apex Companies, LLC 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.

IXII. Forms

Team Licenses



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, QA/QC Brian Corso - Project Manager	21 12	Punta Gorda Punta Gorda	Punta Gorda Punta Gorda	Punta Gorda Punta Gorda
	Brittney Johnson, PE, Civil/ Coastal Engineering Davin Helgesen, PE, Civil/ Coastal Engineering	12 8	Punta Gorda Punta Gorda	Punta Gorda Punta Gorda	Punta Gorda North Port
	Robin Palmer, PE - Environmental Engineering	12	Punta Gorda	Punta Gorda	Port Charlotte
	Max Morgan, PE - Structural/ Coastal Engineering Davis Johanson - CEI	8 5	Punta Gorda Punta Gorda	Punta Gorda Punta Gorda	Punta Gorda Punta Gorda
	John Glenn, PE - CEI	14	Fort Myers	Fort Myers	Fort Myers
	Gary Nychyk - Environmental	24	Fort Myers	Fort Myers	Fort Myers
	Rick Daniels, PSM - Survey & Mapping	35	Fort Myers	Fort Myers	Fort Myers
	Laura Herrero - Environmental Kevin RisCassi, PSM - Survey & Mapping	32 34	Fort Myers Fort Myers	Fort Myers Fort Myers	Fort Myers Fort Myers
2.	Magnitude of Company Operations				
	A) Total professional services fees received within last 24 months:			\$	883,947,717
	B) Number of similar projects started within last 24 months:				2
	C) Largest single project to date:			\$	76,227,872
3.	Magnitude of Charlotte County Projects				
	A) Number of current or scheduled County Projects				2
	B) Payments received from the County over the past 24 months (based upon executed contracts with the County).			\$	77,452
4.	Sub-Consultant(s) (if applicable)	Location	% of Work to be Provided	Services to be Provided	
	Tierra, Inc.	735 I 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 Apex Companies, LLC
 (This form must be completed and returned)

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

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

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

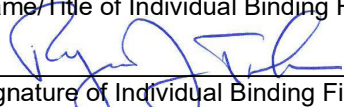
In accordance with section 287.135, Florida Statutes, the undersigned certifies that the company is not on the Scrutinized Companies with Activities in Sudan List, the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, and does not have business operations in Cuba or Syria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

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

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

Type of Organization (please check one):

INDIVIDUAL	()	PARTNERSHIP	()
CORPORATION	(X)	JOINT VENTURE	()

<u>Apex Companies, LLC</u> Firm Name	<u>(941) 505-1700</u> Telephone
 	<u>52-1562320</u> Federal Employer Identification Number (FEIN)
<u>Fictitious or d/b/a Name</u> 	
<u>201 W. Marion Ave. Suite 1306</u> Home Office Address	
<u>Punta Gorda, FL 33950</u> City, State, Zip	<u>38</u> Number of Years in Business
<u>Same as Above</u> Address: Office Servicing Charlotte County, other than above	
<u>Michael J. Girdullo, Division Manager</u> Name/Title of your Charlotte County Rep.	<u>(941) 505-1700</u> Telephone
<u>Ryan Trahan, Vice President</u> Name/Title of Individual Binding Firm (Please Print)	
 Signature of Individual Binding Firm	<u>May 21, 2026</u> Date
<u>ryan.trahan@apexcoss.com</u> Email Address	

(This form must be completed & returned)

DRUG FREE WORKPLACE FORM

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that Apex Companies, LLC
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

May 21, 2026

Date

NAME OF FIRM Apex Companies, LLC
(This form must be completed and returned)

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

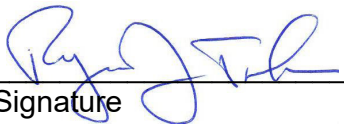
Charlotte County Contract #20250407

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

Ryan Trahan

Printed Name

Vice President

Title

Apex Companies, LLC

Nongovernmental Entity

May 21, 2026

Date

NAME OF FIRM Apex Companies, LLC

(This form must be completed and returned)

BYRD ANTI-LOBBYING CERTIFICATIONCertification 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.

May 21, 2026

Date

Ryan Trahan

Type or Print Name

Signature

Vice President

Title

END OF PART V

NAME OF FIRM Apex Companies, LLC

(This form must be completed and returned)