HighSpans ENGINEERING, INC.

Charlotte County
Design Restoration / Repair of Seawall
RFP NO. 2024000427

Submitted to:

Charlotte County
Senior Division Manager – Purchasing
Charlotte County Administration Complex
18500 Murdock Circle, Suite 344
Port Charlotte, Florida 33948-1094

Charlotte County Purchasing Contact:..... Alisa L. True, Sr. Contract Specialist
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Submitted by:

HighSpans Engineering, Inc.
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Fort Myers, FL 33901
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HighSpans Engineering Inc. (HEI) is pleased to provide this letter of response to perform structural engineering services for Charlotte County for the restoration, reconstruction and repair of seawalls, safety railing, erosion control, and upland walkway areas at Bayshore Live Oak Park. The Park is located on Bayshore Road fronting Charlotte Harbor for approximately 2000 ft and offers fishing, scenic walking trails and playground areas that are very popular with County residents. The Park was subjected to overtopping/flooding and general storm damage in 2022 during Hurricane Ian and the scope of services is primarily to restore the facility to its pre-storm condition. The Request for Proposals (RFP) specifies the key deliverable as a set of construction ready plans for these repairs and this letter will demonstrate how our team is ideally suited to this task as we have recently and successfully completed several similar projects to this one.

I. TEAM PROPOSED FOR THIS PROJECT

A. Background of the Personnel

1. **Project Manager:** The project will be led from our main Ft. Myers office by **Thomas M. Waits, P.E**., who will serve as Project Manager and Engineer of Record and will lead the design team. Tom has been a Florida licensed PE since 2000 and has 25 years of experience with design, analysis, inspection, plans production and project management of a wide range of structural projects, including bridges, retaining walls, seawalls, building facilities, fishing piers, pedestrian bridges, boardwalks, and drainage structures. He recently served as PM/EOR on the Spencer's Boatyard Seawall Reconstruction project for the City of Key West and the Lakes Park Boardwalk Reconstruction project for Lee County which included many design, analysis, permitting, and construction issues similar to this project. Tom will be supported by a staff of experience engineers, CADD technicians, designers, and field inspection staff, all of whom have worked together on similar projects and who will execute the field inspection, structural/geotechnical analysis and design, plans production and construction phase tasks for the project. Tom is committed to completing this project, however, should unforeseen circumstances arise, he will not be substituted without the express permission of the County.

2. **Other Key Personnel:** Key staff supporting Tom will include **Eli Enders, P.E.**, serving as Assistant Project Manager overseeing the day-to-day activities of the design staff and schedule to ensure that milestones and critical design dates are met as well as bringing his experience with seawall design and hydrology/hydraulic analysis to the project. Senior Structures Designer **Jason Hock, M.S.C.E.** will lead the analysis, design and plans production tasks for seawalls structural repairs and reconstruction. Jason has been working on the HighSpans design team since 2020 while completing both his B.A. and Master of Science in Structural and Geotechnical Engineering from UCF in 2022. Jason has passed the SE structural examination and is awaiting licensure. The geotechnical investigation and analysis to support the reconstruction design of seawalls will be performed by **Christopher Gallagher P.E.,** our Geotechnical Engineer. Christopher has managed HighSpans' Transportation Materials Testing lab since 2017 and has been Engineer in Charge of all geotechnical testing since April of 2023.
3. **Subconsultants:** The environmental permitting effort will be led by **Justin Hojnacki** (Pennoni and Associates) who brings many years of experience to spearheading the coordination and submission of all permit applications and plans to the relevant permitting authorities who may include the Army Corps of Engineers (ACOE) and the South Florida Water Management District (SFWMD).

The members of this team have worked closely together for many years on projects including recent ones that are very similar to Bayshore Live Oak Park. HEI currently has structural continuing services contracts with several counties and Cities in the Southwest Florida area (e.g., Collier and Lee Counties / City of Ft. Myers and City of North Port) and is therefore well accustomed to executing smaller design contracts with a focus on efficiency, economy and short turnaround times.

B. Resumes

Tom Waits, PE
Chief Engineer/Sr. Structural Engineer
FL Lic. No. 55460 (2000) Structural, GA Lic. No. 043307 (2018)
B.S., Civil Engineering, Florida State University
Master of Science, Bridge Engineering, University of Surrey, United Kingdom, 2018

Summary:

Tom Waits has worked for more than 25 years performing analysis, design, structural inspection, construction engineering, and project management for many large bridge and transportation projects. Early in his career he was responsible for developing plans and calculations for a wide variety of transportation and general civil projects until 2000 when he joined J. Muller International (JMI Engineers) where he was able to focus exclusively on complex bridge engineering projects. This period included many notable post-tensioned and prestressed concrete bridge projects. In 2004 Tom moved to the United Kingdom and continued to develop as an engineer and manager of complex structures projects working full time on highway and rail bridge projects in London and Europe while simultaneously acquiring a master's degree in Bridge Engineering at the University of Surrey. In 2007, Tom relocated back to the US and joined the FDOT Structures Design Office in the Plans Review Group performing detailed engineering reviews at all submittal phases of Category II (complex) bridge designs in Districts 4 and 7 which included concrete segmental, steel box girder, steel plate girder, spliced concrete girder, movable bridges, and composite materials (CFRP, GFRP) bridges. His role also required him to provide assistance to the Districts with all technical and contractual issues throughout procurement of large FDOT design build projects with annual values typically approaching $1Billion. In 2015 Tom left the Department to work for Parsons Transportation Group where he led several large design build project pursuits specializing in Alternative Technical Concept development as well as performing engineering reviews and calculation checks for complex bridge projects throughout North America. He joined HighSpans Engineering as Chief Engineer in 2019 and is currently functioning as Engineer of Record on the firm's bridge and structures projects.

Project Experience

Project Engineer of Record – February 2024 – July 2024
Lakes Park Boardwalks - Structural Inspection & Recommendation for Repair
Lee County Professional Services – CN200224JJB
HighSpans was engaged by Lee County Facilities to conduct comprehensive site investigations to support the repair and replacement of 25,500 sq. ft. of timber boardwalks throughout Lakes Park in Fort Myers, FL. The timber structures had extensive deterioration due to weathering and damage sustained during Hurricane Ian. The investigations included both overwater and land-based structural and geotechnical evaluations conducted by HighSpans, as well as underwater inspections and environmental evaluations conducted by others. HighSpans served as Engineer of Record to develop the plans and address permitting concerns. Repair plans were developed to address localized damage, reinforce the boardwalks against lateral forces, and completely replace 4,800 sq. ft. of boardwalk, including new timber piles, stringers, decking, and railings.
Reference - Joshua Hudson, PE, Project Manager, (239) 357-2956

Project Engineer of Record – February 2023 – August 2024
Spencer's Boat Yard Sea Wall Repairs
City of Key West
HighSpans was tasked with designing structural repairs to multiple structures at Spencer's Boatyard located in Key West, FL, including the concrete boat hoist support platforms, timber docks covering a 500 square foot area, and a 360 linear foot seawall. A comprehensive geotechnical investigation was conducted by HEI to evaluate the subsurface soil conditions and provide recommendations for the replacement of seawall and support platforms. In addition, our team facilitated requesting permit exemptions with FDEP and applying for the SPGP through the Army Corps of Engineers. The design of the seawall uses anchored seawalls utilizing concrete-filled vinyl sheet piles and driven steel pin piles into rock. Additionally, the concrete support platforms were designed to accommodate the owner-specified 25-ton capacity marine boat hoist, accounting for the aggressive coastal environment.
Reference – City of Key West Engineering Department, Eric Augst, 305-809-3964

Chief Engineer – June 2023 – August 2023
Matlacha Bat House Park – Hurricane Temporary Repairs
Lee County Professional Services – CN200224JJB
HighSpans was tasked by Lee County Facilities to perform an inspection and develop temporary and permanent repairs to the historic Lee County Bat House Park building and seawall that sustained damage during Hurricane Ian. The building foundation and seawall were severely undermined. HighSpans developed repair procedures utilizing flowable fill, helical piles, riprap revetment and geotextile fabric to restore site conditions.
Reference – Ashley Koza, PE, Project Manager, 239-533-8303

Project Engineer of Record – January 2023 – June 2024
Estero Pkwy over I-75 Bridge – MSE Wall Approach Settlement
Lee County Professional Services – CN200224JJB
HighSpans is serving as Engineer of Record for plans, specifications, and construction cost estimate covering repairs to the Estero Pkwy Bridge over I-75; a 560 ft long, 2 span curved steel box girder structure with MSE wall approaches. Repairs included epoxy and grout injection to stabilize soils, bridge joint replacement, approach slab recasting, and MSE wall panel repairs to restore the 75-year service life.
Reference – Avelino Cancel, PE, Lee County Project Manager, 239-533-9416

Chief Engineer – August 2022 – March 2024
Estero on the River Pedestrian Bridge
Village of Estero, FL
HEI was tasked with designing a single span bridge to cross the Estero River located in Fort Myers. The structure will span 100 feet using precast prestressed concrete beams or a prefabricated steel truss in accordance with AASHTO LRFD Design of Pedestrian Bridges. Given ideal subsurface conditions, the foundation will be C.I.P. bent caps on auger cast piles. Elevated boardwalk approaches with composite decking will be constructed to accommodate site specific conditions and provide an improved service life.
Reference – Public Works Director, David Willems, PE, 239-221-5035

Structures Engineer of Record – March 2022 – Present (Ongoing)
Alico Road Connector
Lee County DOT
This Lee County project connects Green Meadow Road and SR82 with a new 3 mile 4 lane roadway alignment that includes 3 wildlife crossing bridges and 1 highway bridge. HighSpans is serving as Engineer of Record for bridges, retaining walls, and drainage structures.
Reference – Thomas Marquardt, PE – Project Manager, 239-533-8530

Project Engineer of Record – December 2022 – November 2023
Naples Zoo – Alligator Bay
Naples Zoo at Caribbean Gardens, FL
HighSpans was tasked with designing the new elevated boardwalk structure along Alligator Bay at the Naples Zoo at Caribbean Gardens. The timber boardwalk, covering an area of 7,700 square feet, has been designed to meet the AASHTO LRFD live load specifications for pedestrian bridges, as well as an owner specified maintenance vehicle. The boardwalk will be constructed 3.5 feet above existing grade and supported by driven timber piles.
Reference – GLMV Architecture, Chris Kliewer, 316-265-9367

Project Engineer of Record – December 2022 – January 2024
Naples Zoo – Flamingo Exhibit
Naples Zoo at Caribbean Gardens, FL
Design of vertical pole and cable structure that supports the mesh enclosure for the Flamingo Exhibit at the Naples Zoo.
Reference – GLMV Architecture, Chris Kliewer, 316-265-9367

HighSpans ENGINEERING, INC.

Summary:

Mr. Enders, a graduate of Florida Gulf Coast University with a BS in Civil Engineering and a minor in Environmental Engineering, obtained his Florida PE License in January 2019. Since October 2013, Mr. Enders has served on multiple design and construction projects ranging from utilities projects to bridge and traffic engineering projects. Eli has performed structural inspections and evaluations of existing bridges, piers, and other complex structures. Eli has also worked on traffic engineering elements including vehicular and pedestrian signal timings, geometric design, interrupted flow design, TTC plans, vehicle detection analysis, SWPPP, and signage and pavement markings plans and analysis. Eli obtained the Professional Traffic Operations Engineer (P.T.O.E.) Certification in March 2020.

Project Experience:

Project Engineer – February 2024 – July 2024
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Reference - Joshua Hudson, PE, Project Manager, (239) 357-2956

Project Engineer – Roadway and Traffic Design - March 2020 – Present (ongoing)
Lehigh Acres Mast Arm Replacements/Intersection Improvements, Lee County, FL
Lee County Annual Structures Engineering Services C8032 | CN180028TJM
HighSpans was tasked with providing multiple upgrades to three intersections including signalization and signing and pavement markings. Each intersection was upgraded to allow for pedestrian crossings at each leg of the intersection. Signalization upgrades included new mast arms, flashing yellow arrow signal heads, accessible pedestrian signals and detectors, and new mast arm lighting. Eli's responsibilities included leading the design for all plan sets and serving as EOR for the signalization plan set.
Reference – Ryan Kirsch, Lee County Project Manager, 239-896-8074

Project Engineer – June 2023 – June 2024
Estero Pkwy over I-75 Bridge – MSE Wall Approach Settlement
Lee County Professional Services – CN200224JJB
HighSpans is serving as Engineer of Record for plans, specifications, and construction cost estimate covering repairs to the Estero Pkwy Bridge over I-75; a 560 ft long, 2 span curved steel box girder structure with MSE wall approaches. Repairs included epoxy and grout injection to stabilize soils, bridge joint replacement, approach slab recasting, and MSE wall panel repairs to restore the 75-year service life.
Reference – Avelino Cancel, PE, Lee County Project Manager, 239-533-9416

Project Engineer – February 2021 – September 2021
Fort Myers Country Club Pedestrian Bridges 3 and 8 Replacement, City of Fort Myers
HighSpans served as Engineer of Record providing plans, specifications, construction cost estimates and supporting calculations for the replacement of 2 - 75 ft single span pedestrian bridges (No. 3 and No. 8) and repairs to Bridge 6 crossing the Carrell Canal at the Fort Myers Country Club. Repairs to bridge 6 included strengthening of concrete beam webs with CFRP as well as crack injection to extend service life of the structure. Eli coordinated with the golf course to maintain travel-ways during construction to minimize congestion and delay.
Reference – Graciela Goicoechea, PE, City Project Manager, 239-321-7455

Project Engineer - June 2019 – Present (PDS ongoing)
SR80 from Shoreland Drive to Buckingham Rd in Lee County, FDOT 1 – FPID #429823-1-52-01
SR 80 Phase II, Construction of Shared Use Path from Shoreland Blvd to Buckingham Road) - This project consists of civil/traffic engineering services for the construction of a 10-ft. shared use path along SR 80 at three intersections, including pedestrian signal design and plans. HighSpans is responsible for the development of signalization plans, pedestrian crosswalks, and signal crossings at the SR 80 intersections of SR 31, Davis Blvd, and Tropic Ave for pedestrian foot traffic crossing. **Reference – Nicholas Ruiz, PE, AIM Engineering and Surveying, 813-748-2051**

Project Engineer – Roadway Design - May 2020 – March 2021
Buckingham Road and Orange River Blvd Mast Arm Replacement
Lee County, FL, Lee County DOT
This project consists of the replacement of the two existing mast arms at the Buckingham Rd/Orange River Blvd Intersection in Buckingham, Lee County. Upon inspection, the existing masts were leaning and required replacement. This included replacement of the existing signals, mast arms and foundations, and concrete median island for SB right-turning movements. This project had many challenges, such as Temporary Traffic Control, limited ROW, and proposed locations of new mast arms and components. Eli performed inspection and analysis of the existing assemblies and foundations, preparation of a construction cost estimate, and preparing signalization and MOT plans and specifications for bidding.
Reference – Ryan Kirsch, 239-533-9512

Project Engineer – Temporary Traffic Control – November 2020 – July 2021
Little Pine Island Bridge Repairs - Lee County DOT
This project covers repairs to Bridge 170111 which is an 8-span concrete structure carrying two lanes of traffic over Little Pine Island Pass with a precast slab structure supported by pile bents and precast concrete piles. The project includes strengthening of existing spans with CFRP and supplemental reinforcement dowel bars. Eli was responsible for design of the TTC plan with review of traffic counts and local conditions to determine an appropriate plan for construction with minimal lane closure windows.
Reference – Avelino Cancel, PE – Project Manager, 239-707-6988

Project Engineer– Temporary Traffic Control - February 2020 – present (ongoing)
North Port Blvd Bridge Repairs - City of North Port
HighSpans is serving as Engineer of Record for plans specifications and construction cost estimate for repairs to the existing Pan American Blvd bridge no. 175001 crossing Myakka Creek. This 3-span concrete bridge exhibited significant erosion and settlement at abutments and had unknown foundation (pile) depth as plans were not available. Eli is serving to design the TTC plan, upgrade the existing signing and pavement markings to the current standards, and perform pavement analysis and design for milling and resurfacing.
Reference – Frances N. Lugo - Infrastructure and Facilities Manager, 941-240-8322

Project Engineer – Temporary Traffic Control - September 2019 – July 2021
Corkscrew Road Wildlife Crossing Bridge and Box Culverts - Lee County DOT
This project consists of the widening of Corkscrew Road from Ben Hill Griffin Pkwy to Alico Rd. HEI is responsible for design of 2 concrete box culverts for drainage and 1 single span concrete bridge (precast Florida Slab Beam Standard) which will serve as a wildlife crossing. The project also includes retaining walls and mast arms structure design. Eli was responsible for design and review the TTC scheme to ensure constructability.
Reference – Thomas Marquardt, PE – Project Manager, 239-533-8530

Sr. Engineer Intern – September 2019 – July 2021
Jet Blue Stadium Repairs, Lee County, Fort Myers, FL
Lee County Annual Structures Engineering Services C8032 | CN180028TJM
This project covers a variety of structural repairs to the precast concrete and steel structural members for this existing 11,000 seat baseball (spring training) stadium. Eli's role is as Lead Structural Design Engineer for this project with an estimated construction cost of $1M. **Reference – Elaine Capps, PE Lee County Project Manager, 239-533-8518**

HighSpans ENGINEERING, INC.

Summary:

Mr. Jackson began his career as an AutoCAD Civil3D Engineering Designer in 2004 where he became proficient in AutoCAD Civil3D, construction plan production, earthwork volume analysis, and civil engineering design. As his career progressed and continued to focus more on project design and project management, Mr. Jackson pursued a degree in Civil Engineering. He achieved a Bachelor of Science in Civil Engineering from Florida Gulf Coast University's engineering program in 2014, and subsequently gained his PE in January of 2019. Mica has performed civil engineering design, land development permitting and project management on a variety of projects in Lee, Collier, Manatee, and Sarasota Counties. His unique experience and educational foundation stemming from his background as a CAD designer gives him an in-depth knowledge of plan production, thorough plan review, and an ability to think three-dimensionally to maximize the software's capabilities for any task. His project experience ranges from residential community design and permitting and municipal utility relocation projects, to large stormwater master planning for residential communities and municipal stormwater projects. His daily responsibilities involve project and staff management, sub-consultant management, client coordination, project schedule creation and management, agency permitting, extensive budget preparation, bid tab preparation, construction phase engineering services, stormwater and utility modeling and analysis and construction plans development.

Project Experience:

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City of Key West
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Reference – City of Key West Engineering Department, Eric Augst, 305-809-3964

Senior Engineer – June 2021 – Present (ongoing)
Alico Road Connector - Lee County DOT
This project connects Green Meadow Road and SR82 with a new 3-mile long 4 lane roadway alignment that includes 3 wildlife crossing bridges and 1 highway bridge. HighSpans is serving as Engineer of Record for bridges, retaining walls, and drainage structures.
Reference – Thomas Marquardt, PE, Project Manager, 239-533-8530

Senior Engineer – Roadway and Traffic Design – October 2023 – Present (ongoing)
Lehigh Acres Mast Arm Replacements/Intersection Improvements, Lee County, FL
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HighSpans was tasked with providing multiple upgrades to three intersections including signalization and signing and pavement markings. Each intersection was upgraded to allow for pedestrian crossings at each leg of the intersection. Signalization upgrades included new mast arms, flashing yellow arrow signal heads, accessible pedestrian signals and detectors, and new mast arm lighting. Eli's responsibilities included leading the design for all plan sets and serving as EOR for the signalization plan set.
Reference – Ryan Kirsch, Lee County Project Manager, 239-896-8074

Construction Utility Coordination Manager – August 2022 – Present (ongoing)
Big Carlos Bridge Replacement CEI – CN210572BJB
Lee County Department of Transportation
This project consists of complete removal of an existing bascule bridge and replacement with a stationary high-level fixed concrete bridge along with roadway improvements at bridge approaches. The bridge has an overall length of 2,260 feet and a navigable channel vertical clearance of 60 feet. Project duties include assisting dry utility companies through the FDEP Sovereign Submerged Land Lease permit, joint dry utility directional drill coordination, joint municipal utility project agreement (JPA) coordination, muck removal coordination around existing utilities, and utility work schedule management.
Reference – David M. Murphy, PE, Project Manager, 239-533-8578

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Reference – Avelino Cancel, PE, Lee County Project Manager, 239-533-9416

Project Engineer – February 2021 – December 2021
Egret Ave and 6th Street W Stormwater Outfalls Repairs Design & Post Design Services
Collier County – Growth Management Department C18-7432 ST
The outfall pipe, that conveys runoff from the road and releases to Vanderbilt Lagoon through a seawall, connects to a catch basin in the right-of-way and extends 130LF north. HighSpans is tasked with assessing existing conditions of the seawalls and their extend of failure, Survey services (identify easement boundaries, pipe locations, vegetation, seawalls, etc.), identification of all stormwater infrastructures, landscape and other utilities within the project area, permitting assistance, analyze/propose solution scenarios for pipe replacement and stabilization of seawalls, identify if Temporary Construction Easements (TCEs) are needed, and Produce legal descriptions and sketches for TCEs, Design plans (CAD and PDF)
Reference – Dayan Hernandez, Project Manager, Stormwater Management, 239-252-5736

Christopher Gallagher, PE
CEI Geotechnical Engineer
FL License No. 96198 (4/2023)
B.S. Civil Engineering, Florida Gulf Coast University

HighSpans ENGINEERING, INC.

Summary

Mr. Gallagher is a **Florida Professional Engineer (Geotechnical)** and has over **8 years** of geotechnical engineering and materials testing experience, **6 years of foundation studies experience, and was in responsible charge of geotechnical foundation construction engineering and dynamic testing work on 10 FDOT specifications bridges, including dynamic pile testing, signal matching analysis (CAPWAP), and wave equation analysis**. Christopher produces geotechnical reports for soil exploration, geotechnical classifications, foundation studies, foundation testing, foundation type selection, providing foundation design for deep and shallow foundations, retaining walls, bulkheads, materials testing and pavement designs. Christopher is certified in geotechnical testing for dynamic measurement and analysis of driven piles and achieved Advanced Level on the PDA proficiency exam. He produces reports for the bearing capacity of piles and shallow foundations as well as predicted settlement and produces pile driving criteria letters and authorized pile lengths. He analyzes field data such as pile logs and drilled shaft logs to ensure their compliance with the Std. Specifications. He is responsible for foundations, materials, and geotechnical disciplines including sampling and testing asphalt, concrete, aggregate, rip rap and soils. As Lab Manager, Christopher oversees all lab technicians and ensures that material is tested properly per the applicable specifications. He prepares all material testing reports, gets them through the approval process, and submits them to clients. Mr. Gallagher has managed initial lab setup and keeps the lab approved and running in accordance with AASHTO, ASTM, CMEC and FDOT.

Qualifications / Certifications
TIN G42611693
EI#1100022833

- PDCA Dynamic Measurement & Analysis of Driven Pile – ADVANCED
- GSSI GPR Certified
- Limerock Bearing Ratio Technician
- Aggregate Base Technician
- Aggregate Testing Technician – Level 1
- Asphalt Plant Inspection - Levels 1 & 2
- Asphalt Paving Inspection – Levels 1 & 2
- Final Estimates – Level 1
- Earthwork Construction Inspection – Levels 1 & 2
- ACI Concrete Field Testing Technician
- ACI Concrete Strength Testing Technician
- Concrete Laboratory Technician
- QC Manager
- Advanced Temporary Traffic Control (MOT)
- PDA – Pile Driving Basic
- DEP Qualified Storm Water Management Inspector
- APNGA Gauge Safety Certified
- FDOT Critical Structures Construction Issues - 2018
- OSHA (Construction)
- College Graduate (2019)

CEI Geotechnical Engineer – Project Experience

Geotechnical Engineer: 05/2023 – Present
Big Carlos Pass Bridge Replacement (#124143) – CN210572BJB
Lee County Department of Transportation
This project consists of construction of a new multi-span bridge to replace the existing Big Carlos Pass bridge. Christopher managed the PDA services performed by a sub-consultant firm on this LAP project. Due to the complexity of the project including piles up to 175' with mechanical splices, and very early driving, high tensile stresses were a major concern. Christopher reviewed the contractors submitted PIP and all pile related activities and provided comments for a revised PIP. Christopher analyzed PDA data to develop a plan to move forward to monitor and limit the tensile stresses. Christopher also analyzed the initial design documents including borings and FB-Deep data when initial test piles were unable to reach NBR even with set checks to determine if the provided test pile lengths were appropriate in accordance with the FDOT SDG.
Reference: David M. Murphy, PE, Project Manager, 239-533-8578

CEI Geotechnical Engineer– November 2022 – January 2023 (Concurrent/Intermittent)
Hurricane Ian Storm Damage Assessment for Various Bridges in North Port - City of North Port – PO# 49572
HEI worked with the City of North Port to inspect and assess eight vehicular bridges and one pedestrian bridge for damages incurred by Hurricane Ian. Inspection of all structural elements on the bridges including arms-length examination of deck top surface, superstructure underside, substructure concrete surfaces, pile bent caps, deck features (railing, curbing, etc.), approach slabs, existing drainage at abutments, and sloped pavement areas adjacent to the abutments. The bridge stability, scour, and foundation damage were assessed through underwater probing of the channel bottom at each pile within each

intermediate bent. A report was compiled that included our damage assessment and recommendations for counter measures or improvements as compared to the most recent FDOT inspection reports.
Reference – City of North Port Dept. of Public Works City Engineer, Danny Quick, PE, 941-240-8076

CEI Geotechnical Engineer – May 2022 – September 2022 (Intermittent)
City of Cape Coral Weir Retrofit - City of Cape Coral
HEI was tasked with inspecting and evaluating the existing weir structures in Horseshoe Canal and Hermosa Canal at Chiquita Blvd as well as designing structural improvements to accommodate raising the elevation of the concrete cap and new weir gates and walkway. A Pile Integrity Test (PIT) was conducted to verify the depth of the existing concrete cap and concrete sheet pile walls. **Reference – Johnson Engineering Project Manager, Jordan Varble, PE, 239-461-2431**

CEI Geotechnical Engineer – June 2021 – March 2023
CEI & Related Services 11 Bridge Replacements East of SR 29
Collier County Transportation Engineering Division/Contract 19-7632
This project consists of bridge and roadway reconstruction including 10 individual bridges utilizing Concrete Florida Slab Beams with 18" square prestressed concrete pile foundations along Immokalee Rd., County Line Rd., and Oil Well Rd. in Collier County, FL. **Reference – Collier County Growth Management, Project Manager, Julio Castro, 239-380-3466**

Responsible Geotechnical Engineer Driven Pile PDA Experience

Bridge No.	34831	34832	34834	34835	34836	34837	34838	34839	34840	124141*
Test Piles	4	3	4	5	3	3	6	5	3	1
Pile Type	18" SQ. PCP	18" SQ. PCP	18" SQ. PCP	18" SQ. PCP	18" SQ. PCP	18" SQ. PCP	18" SQ. PCP	18" SQ. PCP	18" SQ. PCP	24" SQ. PCP
Final Report Date	9/27/21	1/12/22	1/31/22	10/7/21	3/16/22	6/22/22	2/15/22	1/5/22	10/7/22	3/1/2021

*Performed over the shoulder review

CEI Geotechnical Engineer – November 2021 – December 2021
Del Prado & 47th Terrace Mast Arm Structural Analysis - Lee County DOT
HEI was tasked with completing a Structural Analysis of an existing steel mast arm structure and drilled shaft foundation to determine if the structure could support an additional 3 section traffic signal. The existing above-ground structure was visually inspected with the data gathered used to determine the structural adequacy of the existing configuration compared to the proposed configuration. A Pile Integrity Test (PIT) was also conducted to verify the depth of the existing drilled shaft foundation. All data and results were compiled into a single report.
Reference – Lee County DOT Project Manager, Ryan Kirsch, 239-533-9512

Geotechnical EI – August 2019 – September 2021
Buckingham Mast Arms Replacements
This project consists of a full evaluation and design of a timber bridge on Telegraph Creek Lane over Telegraph Creek just west of Alva, FL in Lee County. The timber foundation, substructure, superstructure, and deck as well as the concrete seawalls were designed and evaluated for structural integrity. The foundation was a GRS-IBS type, which Christopher was responsible for and designed using FHWA, AASHTO, and FDOT guidelines. As part of the design process, Christopher created the firms GRS-IBS design and calculation Mathcad worksheet which requires several input variables such as soil friction angle, unit weight, and all other variables required by AASHTO design methodology. Nearby soil data and the imported materials for this project were thorough analyzed for their applicable soil properties such as friction angle and unit weights. This type of foundation required thorough checks for applied surcharges and phasing during construction, external stability, as well as internal stability checks for the geogrid reinforcement. In this design sliding checks required significant design changes to get the design to work

HighSpans ENGINEERING, INC.

Jason Hock graduated in 2020 with a Bachelor of Science Degree in Civil Engineering from Florida Gulf Coast University and completed a Master of Science in Structural and Geotechnical Engineering from the University of Central Florida in 2022. He has worked for 3 years on numerous bridge and building projects for HighSpans Engineering performing complex structural analysis and design, including the preparation of construction plans for new bridge and building structures projects incorporating reinforced, prestressed, and post tensioned concrete members, steel and composite materials as well as strengthening and repairs for these structure types. In this capacity, he developed advanced finite element modelling and second order non-linear structural analysis.

Design Project Experience

Sr. Structural EI – February 2024 – July 2024
Lakes Park Boardwalks - Structural Inspection & Recommendation for Repair
Lee County Professional Services – CN200224JJB
HighSpans was engaged by Lee County Facilities to conduct comprehensive site investigations to support the repair and replacement of 25,500 sq. ft. of timber boardwalks throughout Lakes Park in Fort Myers, FL. The timber structures had extensive deterioration due to weathering and damage sustained during Hurricane Ian. The investigations included both overwater and land-based structural and geotechnical evaluations conducted by HighSpans, as well as underwater inspections and environmental evaluations conducted by others. HighSpans served as Engineer of Record to develop the plans and address permitting concerns. Repair plans were developed to address localized damage, reinforce the boardwalks against lateral forces, and completely replace 4,800 sq. ft. of boardwalk, including new timber piles, stringers, decking, and railings.
Reference - Joshua Hudson, PE, Project Manager, (239) 357-2956

Sr. Structural EI – February 2023 – August 2024
Spencer's Boat Yard Sea Wall Repairs
City of Key West
HighSpans was tasked with designing structural repairs to multiple structures at Spencer's Boatyard located in Key West, FL, including the concrete boat hoist support platforms, timber docks covering a 500 square foot area, and a 360 linear foot seawall. A comprehensive geotechnical investigation was conducted by HEI to evaluate the subsurface soil conditions and provide recommendations for the replacement of seawall and support platforms. In addition, our team facilitated requesting permit exemptions with FDEP and applying for the SPGP through the Army Corps of Engineers. The design of the seawall uses anchored seawalls utilizing concrete-filled vinyl sheet piles and driven steel pin piles into rock. Additionally, the concrete support platforms were designed to accommodate the owner-specified 25-ton capacity marine boat hoist, accounting for the aggressive coastal environment.
Reference – City of Key West Engineering Department, Eric Augst, 305-809-3964

Sr. Structural EI – May 2023 – Present (ongoing)
Airport Pulling Road – Traffic Control Plans, Utilities Update, & PS&E
Collier County – Growth Management Department C18-7432 ST
The project consisted of an existing infiltration trench constructed to provide water quality treatment for portions of Airport Pulling Road and is in poor condition which at certain points has failed and collapsed. The collapse of this pipe has caused noticeable subsidence in the landscaped median above the pipe. Portions of the existing infiltration pipe are located directly under the curb line and travel lanes of Airport Pulling Road, additional failure of the pipe could cause collapse of the pavement section and needed to be addressed in a timely manner. HighSpans scope is to prepare a phased maintenance of traffic plan which shall specify work zones and lane closures. The phasing shall be coordinated with the design of the infiltration trench replacement to limit the impacts to existing traffic patterns to the greatest extent possible.
Reference – Dayan Hernandez, Project Manager, Stormwater Management, 239-252-5736

Sr. Structural EI – August 2023 – March 2024
Goodland Drive Stormwater Management Improvements
Collier County – Growth Management Department C18-7432 ST
The project consists of surveying and engineering for the replacement of an existing failing reinforced concrete tidal interconnect pipe and seawall. The pipe, which connects two navigable channels adjacent to Goodland Drive in Southwest Florida, varies in size from 54" to 60". The complexity of the project is due to this portion of Goodland Drive being the only means of ingress and egress for dozens of single-family residences along a heavily trafficked public boat ramp leading to the ten thousand islands. Project scope includes maintenance of traffic, community outreach and coordination with existing utilities within the road right-of-way.
Reference – Dayan Hernandez, Project Manager, Stormwater Management, 239-252-5736

Sr. Structural EI – June 2023 – October 2023
Matlacha Bat House Park – Hurricane Temporary Repairs
Lee County Professional Services – CN200224JJB
HighSpans was tasked by Lee County Facilities to perform an inspection and develop temporary and permanent repairs to the historic Lee County Bat House Park building and seawall that sustained damage during Hurricane Ian. The building foundation and seawall were severely undermined. HighSpans developed repair procedures utilizing flowable fill, helical piles, riprap revetment and geotextile fabric to restore site conditions.
Reference – Ashley Koza, PE, Project Manager, 239-533-8303

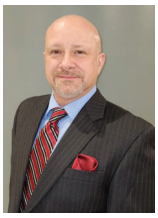
Sr. Structural EI – April 2023 – February 2024
Egret Ave and 6th Street W Stormwater Outfalls Repairs Design & Post Design Services
Collier County – Growth Management Department C18-7432 ST
The outfall pipe, that conveys runoff from the road and releases to Vanderbilt Lagoon through a seawall, connects to a catch basin in the right-of-way and extends 130LF north. HighSpans is tasked with assessing existing conditions of the seawalls and their extend of failure, Survey services (identify easement boundaries, pipe locations, vegetation, seawalls, etc.), identification of all stormwater infrastructures, landscape and other utilities within the project area, permitting assistance, analyze/propose solution scenarios for pipe replacement and stabilization of seawalls, identify if Temporary Construction Easements (TCEs) are needed, and Produce legal descriptions and sketches for TCEs, Design plans (CAD and PDF).
Reference – Kyle Heise, Project Manager, Stormwater Management, 239-359-4727

Sr. Structural EI – March 2023 – May 2023
Hancock Bridge Parkway and Moody Road – Strain Pole Structural Analysis
Lee County DOT CN180028TJM – C8032 | PO23334385
HighSpans was tasked by Lee County Traffic Operations to inspect the existing concrete strain poles at the intersection of Hancock and Moody Road. The SE strain pole displayed signs of flexural cracking and the NW strain displayed sings of rotational failure. HighSpans developed 2 repair procedures utilizing CFRP wrap and UHPC encasement to lengthen the service life of these poles before full replacement could take place.
Reference – Michael Padgett, Lee County Traffic Operations Manager, 239- 533-9500

Sr. Structural EI – February 2023 – January 2024
Naples Zoo – Alligator Bay
Naples Zoo at Caribbean Gardens, FL
HighSpans was tasked with designing the new elevated boardwalk structure along Alligator Bay at the Naples Zoo at Caribbean Gardens. The timber boardwalk, covering an area of 7,700 square feet, has been designed to meet the AASHTO LRFD live load specifications for pedestrian bridges, as well as an owner specified maintenance vehicle. The boardwalk will be constructed 3.5 feet above existing grade and supported by driven timber piles.
Reference – GLMV Architecture, Chris Kliewer, 316-265-9367

Justin M. Hojnacki, M.S.

Senior Environmental Scientist and Project Manager



EDUCATION

MS, Business Management & Leadership; The City University of New York (2015)

BA, Environmental Studies, Florida Gulf Coast University (2008)

CERTIFICATIONS/TRAININGS

NPDES – Florida Stormwater Erosion and Sedimentation Control Inspector Certification (2021, no exp.)

Hydric Soils, Specialized Training for Wetland Scientists, UFSWSD (2009, no exp.)

Registered Agent Permit for Burrowing Owls, Florida Fish & Wildlife Conservation Commission (RAG # 21-00008, 2021, no exp.)

Authorized Gopher Tortoise Agent, Florida Fish & Wildlife Conservation Commission, (GTA # 22-00048, 2022, no exp.)

FEMA Citizen Preparedness, Incident Command System, Single Resources & Initial Action Incidents, National Incident Management System (2009, no exp.)

EXPERIENCE SUMMARY

Mr. Hojnacki serves as a Senior Environmental Scientist in our Environmental Group with over 15 years of professional experience in the environmental resources field in Southwest Florida. Prior to his career at Pennoni, Mr. Hojnacki worked as an environmental regulator for the South Florida Water Management District (SFWMD) for over 12 years. His regulatory experience includes review of Environmental Resource Permits, Water Use Permits, and Sovereignty Submerged Lands applications for large scale residential, commercial, agricultural, and roadway development projects to ensure compliance with State rules regarding flood prevention, water quality, and the protection of wetlands and other surface waters. He has developed strategies and detailed action plans for immediate and long-term improvement including problem identification and elimination, efficiency, and quality improvements within statutory deadlines.

Since joining the Pennoni team, Mr. Hojnacki has become an adept project manager, specializing in local and state environmental permitting, federal dredge and fill permitting, pre, during, and post construction compliance, and the resolution of environmental violations. He provides expertise in performing formal and information wetland jurisdictional determinations, due diligence assessments, wetland functional assessments and associated mitigation plans, as well as protected species surveys, permitting, and compliance. Mr. Hojnacki has developed and maintained a strong working relationship with the regulatory agencies, including the State's Water Management Districts (WMDs), the Florida Department of Environmental Protection (FDEP), the Florida Fish and Wildlife Conservation Commission (FWC), the U.S. Army Corps of Engineers (USACE), the U.S. Fish and Wildlife Service (USFWS), and various local county and municipal governments.

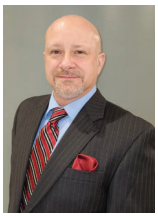
REPRESENTATIVE PROJECTS

Barraco and Associates Engineering – 1601 Gulf Shore Boulevard N, Naples, FL (11/23 – Present)
Senior Environmental Scientist and Project Manager - Environmental site assessment, wetland jurisdictional determination, wildlife surveys, and Environmental Resource Permit and Sovereign Submerged Lands applications for the SFWMD for a replacement condominium complex on the Gulf of Mexico that was irreparably damaged by Hurricane Ian.

EnSite Engineering, Inc. – Village of Estero Trails, Estero, FL (9/22 – 11/23)
Senior Environmental Scientist – Coordinated and obtained an environmental resource permit from the SFWMD, a sovereign submerged lands lease from the FDEP, a bridge Advance Approval Permit from the U.S. Coast Guard, and a Section 404 No Permit Required from the FDEP for a recreational park spanning both sides of the Estero River.

Haines City – Larry Parrish Park Expansion, Haines City, Fl (5/23 – Present)
Senior Environmental Scientist – Design planning for on-site wetlands, impact and mitigation analysis, environmental site assessment, wetland jurisdictional determination, wildlife surveys, and formal wetland determination and environmental resource permit applications with the SWFWMD, FDEP, and the USACE for a 32-acre public park expansion.

HighSpans Engineering - Alico Road Widening, Fort Myers, FL (11/20 – 12/20)
Environmental Scientist - Post construction environmental site inspections and reports to document that all wildlife-specific permit conditions were met for the USACE, the USFWS, and the SFWMD for the widening of Alico Road in Fort Myers, FL.



Justin M. Hojnacki, M.S.

Senior Environmental Scientist and Project Manager

HighSpans Engineering, Inc. – Big Carlos Bridge Replacement Project, Fort Myers Beach, FL (12/21 – Present)
Senior Environmental Scientist – Construction Engineering and Inspection (CEI) for a Lee County bridge replacement project. Includes pre, during, and post-construction inspection of environmental aspects of the project site such as wetland protection and protected species protection to ensure that the project abides by all local, state, and federal permit conditions.

HighSpans Engineering, Inc. - Burnt Store Road Widening Central, Cape Coral, FL (12/20 - 5/21)
Environmental Scientist - Environmental site assessment, wetland jurisdictional determination, wildlife surveys, and permit applications for the USACE to modify an existing outfall structure.

HighSpans Engineering, Inc. – Lakes Park Boardwalk Repair and Replacement, Fort Myers, FL (12/23 - Present)
Senior Environmental Scientist and Project Manager- Responsible for overseeing all environmental aspects of the project including an environmental site assessment, wetland jurisdictional determination, wildlife surveys (including coordination with the USFWS and FWC, and permit applications for the SFWMD and the USACE for the repair and replacement of an existing boardwalk within a Lee County Park.

HighSpans Engineering, Inc. - Ponce de Leon Shared Use Path, North Port, FL (3/22)
Environmental Scientist - Environmental site assessment, wetland jurisdictional determination, wildlife surveys, and permit applications for the SWFWMD for the construction of a shared use path along Ponce de Leon Boulevard.

Lee County - Imperial Marsh Preserve Enhancement, Estero, FL (1/21 – 6/21)
Environmental Scientist - Environmental site assessment, wetland jurisdictional determination, wildlife surveys, and permit applications for the FDEP to construct a marsh preserve area/Florida panther crossing in fallow farm fields.

Lee County - Lehigh Acres Park and Ride Biological Assessment, Lehigh Acres, FL (2/21 - 3/21)
Environmental Scientist - Environmental site assessment, wetland jurisdictional determination, wildlife surveys, and permit applications for the SFWMD and FDEP for a new public transportation facility.

Oremus Material, LLC – 4300 Canal Street, Fort Myers, FL (8/23 – Present)
Senior Environmental Scientist and Project Manager- Responsible for overseeing all environmental aspects of the project including an environmental site assessment, wetland jurisdictional determination, wildlife surveys (including coordination with the USFWS and FWC, and permit applications for the SFWMD and the FDEP for a concrete batch plant. Additionally responsible for organizing the project's civil and structural engineering, site survey, traffic engineering, and air quality requirements.

Polk Co. Parks & Natural Resources Div.- Lake Buffum Boat Ramp, Ft. Meade, FL (4/22 – 5/23)
Environmental Scientist - Environmental site assessment, wetland jurisdictional determination, wildlife surveys, and permit applications for the FDEP, for a new docking and boat ramp facility. Project also included Sovereign Submerged Lands (SSL) Letter of Consent authorization.

The Ronto Group - The Colony at Pelican Landing Parcels, Bonita Springs, FL (2/22 - 4/22)
Environmental Scientist and Project Manager- Environmental site assessment, wetland jurisdictional determination, wildlife surveys, and permit applications for the SFWMD and FDEP for a new residential community.

WS SSIR Holdings, LLC – South Seas Island Resort, Captiva, FL (12/21 – Present)
Senior Environmental Scientist - Environmental site assessment, wetland jurisdictional determination, wildlife surveys, and permit applications for the SFWMD for an existing residential community and golf course.

II. PROPOSED MANAGEMENT PLAN

A. Team Organization and Key Project Phases

Below is the management plan along with key deliverables for each phase of this project as identified in the RFP. An organization chart is included with this letter to illustrate how HighSpans staff and its subconsultant staff will be structured and managed to ensure a successful completion of this project.

Phase	Management Plan	Key Deliverable
Site Analysis / Permitting	Conduct on-site meetings with County staff to finalize the scope and coordinate field investigation tasks + perform detailed site inspection to differentiate between walls to be repaired vs. walls to be replaced.	Finalized scope for repairs as agreed with summary report of existing conditions with recommendations for repair or reconstruction of each item.
Schematic Design	Develop preliminary plans (30%) showing all proposed repairs in sufficient detail to identify all critical design issues and permitting milestones with preliminary construction cost estimate.	30% Design Plans with Preliminary Construction Cost Estimate
Design Development	Develop plans, specifications and construction cost estimates and submit to Charlotte County for review at all phases (i.e. 60%, 90%, 100%). Address all review comments from Charlotte County and Permitting Authority.	Construction Plans, Specifications and Engineers Estimate of Probable Cost for all repair items identified in the scope of services.
Construction Documents	Finalize construction plans, specifications and construction cost estimate, bid tab form, etc. to allow for a competitive bidding process. Perform final QC and biddability review.	Final Signed and Sealed Construction Plans, Specifications and Engineers Estimate of Probably Cost with bid documents.
Construction Observation / Post Design	Assistance with bidding process including recommendation to award, respond to RFIs during construction, perform field inspections to ensure general conformance with the design.	Signed and Sealed letter from Engineer of Record certifying that the project was built in conformance with the Plans.

B. Roles and Responsibilities of Participants

Tom Waits (PM, EOR, Lead Designer) will lead the project and each phase from conceptual to final construction plans. Eli Enders (Assistant Project Manager) will assist Tom with scheduling and coordination to ensure staff availability and submittal timeframes. Jason Hock and Raif Prevatt (Sr. Structural EIs) will also aid Tom and provide engineering support throughout the analysis and design process. While plans are being developed, the team will be coordinating with Justin Hojnacki from Pennoni to ensure environmental permitting progress is being made. Also, Jason and Raif will coordinate with Sabrina Smith, Sr. CADD Designer, and Chrissy Carrillo, Specs & QA/QC coordinator, for plans drawings/CADD and QA/QC throughout each submittal phase. Tom and Eli will communicate regularly with Charlotte County to ensure updates are provided. While all of this occurring, Eli, along the Corporate Support Staff, will maintain oversight of the schedule and design budget to ensure adequate progress is being made and budget is used accordingly. Eli will also monitor the construction cost and pay items such as local aggregate and concrete prices/sources for significant market changes to ensure anticipated/budgeted construction costs are as accurate as possible.

III. PREVIOUS EXPERIENCE OF PROPOSED TEAM

A. Relevant Work History with public/government facilities and CM Method

HighSpans Engineering is a Fort Myers based engineering firm founded in 2007, specializing in structural design, analysis, inspection, specialty engineering, geotechnical engineering, transportation materials testing and construction engineering and inspection (CEI) services for a variety of civil, bridge and transportation projects throughout Southwest Florida. HighSpans maintains continuing services civil/structural design contracts with many counties and cities in the Southwest Florida area. Some of our continuing services contracts (CSC) include:

- Lee County Miscellaneous Structures CSC (15 years)
- Lee County Professional Services CSC (7 years)
- Lee County Materials Testing Services CSC (4 years)
- City of Ft. Myers Transportation Engineering Services (4 years)
- City of Ft. Myers Structural Engineering CSC (8 years)
- Collier County Professional Services – Structures Library CSC (10 years)
- Collier County CEI Transportation Engineering CSC (2 years)
- City of North Port Professional Services CSC (5 years)
- Village of Estero Miscellaneous Professional Services CSC (3 years)
- City of Bonita Springs Miscellaneous Roadway Professional Services CSC (2 years)

The firm has qualified as a Disadvantaged (Minority) Business Enterprise since its founding in 2007 and continues to maintain this certification. HighSpans employs 45 full-time and 3 part-time staff covering various aspects of project delivery including project management, structural design, roadway design, plans production, structural analysis, foundation studies, soil explorations and contract management out of its main Ft. Myers office and field offices throughout Lee County and as far north as Hillsborough County. HighSpans is authorized to perform engineering services through State Registry #27559 and maintains business licenses in Lee County, the City of Fort Myers, and Hillsborough County. HEI currently maintains the following FDOT prequalification categories, many of which are directly relevant to this contract

- **3.1 Minor Highway Design**
- **3.2 Major Highway Design**
- **4.1.1 Miscellaneous Structures**
- **4.1.2 Minor Bridge Design**
- **4.2.1 Major Bridge Design – Concrete**
- **4.2.3 Major Bridge Design – Segmental**
- **5.4 Bridge Load Rating**
- **6.2 Traffic Signal Timing**
- **7.1 Signing, Pavement Marking, and Channelization**
- **7.3 Signalization**
- **9.1 Soil Exploration**
- **9.2 Geotechnical Classification Lab Testing**
- **9.3 Highway Materials Testing**
- **9.4.1 Standard Foundation Studies**
- **10.1 Roadway Construction Engineering Inspection**
- **10.3 Construction Materials Testing**
- **10.4 Misc. Structures CEI**
- **10.5.1 Major Bridge CEI – Concrete**

B. Relevant Work History with Marine/Seawall/Civil, Coastal Engineering and Structural Projects

The prequalification categories listed above were acquired and have been maintained by a steady delivery of successful projects to cities, counties, and the state throughout the Southwest Florida region. A list of relevant projects is provided in this letter in accordance with the RFP but we highlight below a few **key successful projects that have particular relevancy** and demonstrate our capabilities in delivery of both large and small bridge, culvert, and seawall repair projects which have very similar characteristics to Bayshore Live Oak Park.

Lakes Park Boardwalk Reconstruction, Lee County Parks and Recreation, 2024 – HEI served as Engineer of Record for the reconstruction and replacement of 22,000 sf of existing timber boardwalk for this 335-acre park in Fort Myers with a construction cost of $1.5M. Key features of the design include:

1. Accelerated delivery schedule of signed and sealed plans with all environmental SFWMD permitting cleared in less than 90 days in order to meet Lee County Parks and Rec requirement to have the project advertised for construction within the 2024 fiscal year.

2. Innovative cost saving design of timber pile repairs allowed 125 piles to be salvaged with significant project cost savings.
3. Aggressive environmental permitting effort by the HEI/Pennoni team ensured that project was bid on schedule and avoided costly delays.

Spencer's Boat Yard Seawall Reconstruction, City of Key West, 2024 – HEI served as Engineer of Record for the replacement of 200 feet of existing concrete/steel seawall and construction of boat gantry platforms for this existing City owned boat yard located in Key West with a construction cost of $1.6M. Key features of the design include:

1. Innovative design using stainless steel-clad reinforcement for all concrete sections to ensure 75-year service life plus vinyl (Truline) concrete filled sheet pile wall system to ensure a corrosion free 75-year design in this highly corrosive environment. Project also included dredging to restore boat slip access.
2. Environmental permitting through Army Corps of Engineers included underwater survey to identify plant/animal species to be protected during construction. ACOE mandated that new sheet pile wall be within 18 inches of existing wall.
3. Innovative use of tied back vinyl sheet pile wall in lieu of driven solder pile wall with lagging to eliminate the need for deep foundation in shallow caprock.

Bat House Park Reconstruction, Lee County Parks and Recreation, 2023 – HEI served as Engineer of Record for the reconstruction of 150 feet of existing seawall and upland pedestrian areas plus reconstruction of existing restroom facilities and other amenities at the Lee County Park with an estimated construction cost of $400k. Key features of the design included:

1. The project included a temporary emergency seawall shoring design to allow the existing wall to be stabilized and prevent further damage to existing public restroom building.
2. Design included foundation strengthening of the existing historic restroom facility.
3. The design included the innovative use of flowable fill to stabilize the soil behind the seawall and allow installation of new tie backs to stabilize the existing wall.

Matlacha Pier Reconstruction, Lee County Parks and Recreation, 2021 – HEI served as Engineer or Record for the reconstruction of this storm-damaged fishing pier. HighSpans first inspected the structure and then reported our findings to Lee County within an inspection report and began working on replacement plans. Key Features of the project include:

1. ADA compliant ramps and handrail along the fishing pier surface. Specific bays were designed for wheelchair accessibility.
2. Design of the foundation within the same footprint as the existing fishing pier to minimize coastal permitting efforts and delays.
3. The fishing pier consisted of a T-shape layout with Trex composite deck board as well as amenities such as benches, trash cans, fish cleaning station, fire hydrant, and lighting.

C. Permitting experience with Coastal Regulatory Agencies

Our recent projects have dealt heavily with Coastal Permitting and Regulatory Agencies. We've seen conditions shift and we are constantly adapting to these changes. Recently, on the Lakes Park Project, we worked with Pennoni and SFWMD to complete the permitting process to achieve construction-ready plans. On the Matlacha Pier Project, we were able to design the new pier within the footprint of the existing to minimize Coastal Permitting efforts and expedite the project. On Spencer's Boatyard, our design had to adhere to FDEP requirements to ensure a compliant design and streamlined permitting efforts.

D. Design within a fixed project budget

We work diligently to appropriately budget a project to ensure funds are not exceeded. Recently, on the Lakes Park Project, we accelerated the plans to complete the design in under 90 days to meet the clients changing fiscal needs. We were able to accomplish this task while staying within the project's fixed budget. On Bat House Park, FEMA funds were utilized so we had to strictly adhere to the **fixed budget amount,** and we achieved this successfully.

IV. PROJECT CONTROL

Effective Coordination is the backbone of both project cost and schedule control. We anticipate coordination with Charlotte County staff as we submit plans for review throughout the development of the plans from preliminary to final design. These plan submittals will be identified in our schedule and the County will have the opportunity to review and comment on each submittal after which we will respond in writing how the comment will be addressed. In addition, coordination with Environmental Resource Permitting with the designated state agency (Southwest Florida Water Management District or Florida Department of Environmental Protection) and Federal Dredge and Fill permitting with the U.S. Army Corps of Engineers (USACE) for the surface water impacts will be required. Because the project proposes the replacement of existing seawall areas, the regulatory agencies may classify the proposed in-water work as maintenance. This will help expedite the USACE permitting timeframe by qualifying for a Nationwide permit process. Mitigation for the minor impacts to the surface waters are not anticipated to be required.

A. **Schedule** –. A schedule is provided with this letter to demonstrate how we will execute all critical path items such that final project delivery is ensured. We understand the critical path and how environmental permitting can affect the schedule. As such, upon NTP, we will start immediate coordination with Pennoni to establish the permits, timeframe, and deliverables to stay ahead of issues. Certain design phases may coincide with permit agency deliverables, so we will ensure that these steps are taken so no backtracking or redesign is required. These techniques have worked on past projects to assure our design schedules are met. By doing this, we were able to advance the Lakes Park Schedule and meet an important fiscal design schedule for Lee County. Also, we will establish a comprehensive scope of repairs early in the project so late-stage design changes do not occur and affect final plan delivery. We will do this by meeting with the Charlotte County PM to discuss the scope and their commitments and goals, inspect the site and record our findings, then scheduling a follow-up meeting with Charlotte County to discuss our findings and how they will be addressed. Again, we have used this method on previous projects to stay on schedule, prevent scope creep, and aid in Cost Control**. Eli Enders will be responsible** for keeping the project on schedule and is proficient with Microsoft Schedule and Primavera P6. Eli has supported Tom and the rest of the engineering team on previous projects, and we look to bringing our experience to Charlotte County on this important project.

1. Techniques to assure that schedule will be met: See Chart Below.
2. Responsible Party to assure schedule will be met: Eli Enders, Assistant Project Manager.

B. **Cost Control** – A critical part of staying within design budget is staying on schedule; these items go hand in hand. Our experience with this type of structural and civil repair will allow us to expedite plans development. We can draw from our vast knowledge base to quickly address repair solutions and bring innovate ideas to the table. For this project, the manhour estimate developed during scoping and contract negotiations will be utilized weekly throughout the design process to track staffing and progress. By updating our staff hours and progress weekly, we can ensure adequate progress is being made, using the appropriate amount of time, or make adjustments if any metrics do not align. We use this technique on all our design projects. We also practice construction cost control and will discuss early on with the County an anticipated budget/allowance for repairs so we can track the pay items in the Engineer Estimate effectively and keep the Charlotte County PM informed**. Eli Enders will be responsible** for ensuring these cost control techniques are utilized effectively. Eli has managed this design team for several years on various design projects to ensure the design budget is successfully met. Eli will use his construction experience to manage the pay items and monitor the construction market for any changes that may affect the project pay items.

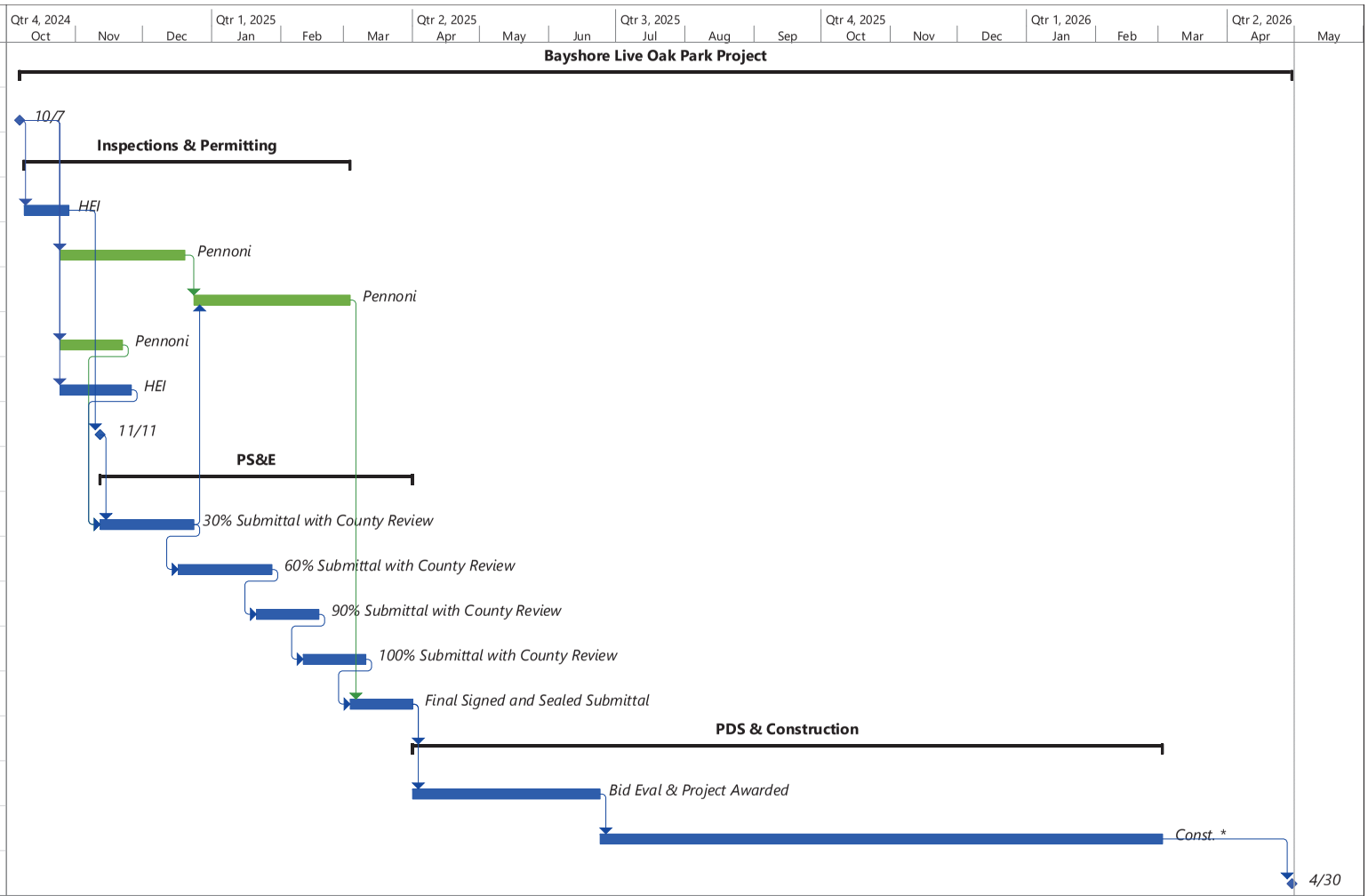
1. **Planned Cost Control Techniques**: See below. Cost Control Techniques involve the HighSpans Corporate Support team; they are equally invested in meeting the client's fiscal goals.
2. **Demonstrate ability to meet project cost control**: The table below outlines our schedule and cost control techniques and how we intend to utilize these techniques for the project.
3. **Responsible Party for Cost Control**: Shared between Assistant Project Manager, Eli Enders, and Corporate Contracts Administration.

Schedule & Cost Control Techniques	
Technique	**How is this Used?**
Proactive Permitting	Immediately coordinate to address permitting and timeframes; updated throughout each submittal phase.
Manhour Estimate	Established during contract negotiation and utilized internally to track workloads and project timeframes
Twice Weekly Design Meetings	The design team meets twice a week to review all design projects to make sure everyone is on the same page and nothing is falling off the radar.
Weekly Budget Tracker	This is generated weekly by corporate contracts management personnel to compare actual budget used to the manhour estimate. This alerts the PM immediately if time spent starts getting ahead of progress. See Example Below.
Client Kickoff Meeting	Precise and comprehensive scoping to prevent "scope creep" and establish project goals and commitments.
Engineer's Estimate	Consistently updated and monitored to track estimated construction cost and project pay items.
Project Design Schedule/MS Project	Internal design schedule created at kickoff to track ALL design tasks, such as permitting, inspection, and design phases.
Coordination with Stakeholders	Project coordination with stakeholders, such as Charlotte County and Permitting Agencies so all concerns are discussed and addressed immediately.

Below is an example of our internal Budget Tracker. This tracker will be used to monitor this project's budget on a weekly basis.

Example Budget Tracker	SPE	PE	CADD	EI	Totals		
Task	Act|Est	Act|Est	Act|Est	Act|Est	Expended	Contract	% Used
Task 1: Proj. Mgmt, Coordination, and QC	6|8	75|160	0|0	0|0	$19,251	$35,800	54%
Task 2: Structural Analysis and Design	2|8	150|240	0|0	80|120	$45,882	$62,568	73%
Task 3: Signing & Marking Analysis/Design	0|2	10|40	35|48	65|100	$16,735	$19,592	85%
Task 4: Plans Production	0|0	25|160	20|48	40|60	$14,485	$41,184	35%
Task 5: Post Design Services	0|8	0|48	0|0	0|48	$0	$16,344	0%
Total	**8|26**	**260|648**	**55|96**	**185|328**	**$96,353**	**$175,488**	**55%**

ID	Task Name	Duration
1	**Bayshore Live Oak Park Project**	**408 days**
2	NTP (approx., will be updated to match actual NTP)	0 days
3	**Inspections & Permitting**	**104 days**
4	Site Inspections	14 days
5	Environmental Inspections	40 days
6	Environmental Permitting (FEMA, ACOE, etc.)	50 days
7	Land Survey	20 days
8	Geotechnical Exploration & Report	22 days
9	Inspection Meeting with County & Stakeholders	0 days
10	**PS&E**	**100 days**
11	30% Submittal with County Review	30 days
12	60% Submittal with County Review	30 days
13	90% Submittal with County Review	20 days
14	100% Submittal with County Review	20 days
15	Final Signed and Sealed Submittal	20 days
16	**PDS & Construction**	**240 days**
17	Bid Eval & Project Awarded	60 days
18	Const. *	180 days
19	Project Time Expires	0 days



* Estimated contract time shown, actual contract time dependent on extent of repairs.

C. Recent, Current and Projected Workload

Our staff has immediate availability to execute this contract and has already had discussions with our subconsultant who is ready to perform the field work necessary. The following table shows projects currently or recently under design or construction to demonstrate our current availability.

Relevant Projects	Owner	Design	Construction		Personnel Assigned								
		% Complete	Cost	% Complete	*VAZ*	*TMW*	*MSJ*	*JAH*	*SDS*	*CLH*	*CRG*	*RAP*	*ESE*
Lakes Park Boardwalk Reconstruction	Lee County Parks & Recreation	100%	$1.5M	0%		x		x	x	x		x	x
Corkscrew Road Wildlife Crossing	Lee County DOT	100%	$1.48M	95%		x		x	x	x	x	x	x
Alico Connector	Lee County DOT	75%	$129M	0%		x	x	x	x				x
US1 over North Relief Canal	FDOT District 4	60%	$5M	0%		x		x	x	x			x
Fort Myers County Club Bridges	City of Fort Myers	100%	$0.5M	0%		x	x	x	x	x		x	x
Bathouse Park Seawall Reconstruction	Lee County Parks & Recreation	100%	$0.4M	100%		x			x				
Spencer's Boat Yard Sewall Reconstruction	City of Key West	100%	$1.6M	0%		x	x		x	x	x		x
Matlacha Pier Reconstruction	Lee County Parks & Recreation	100%	$0.75M	100%	x		x		x	x		x	x
County Barn Road Box Culvert Mod.	Collier County Growth Management	95%	$0.1M	0%	x		x	x	x	x			
Egret/6th Street Stormwater Outfall	Collier County Growth Management	100%	$0.225M	50%	x		x	x	x	x			
Goodland Drive Culvert Replacement	Collier County Growth Management	95%	$0.5M	0%	x		x	x	x	x	x		

Personnel Key

VAZ - Vince Zaliauskas, PE, SE
TMW - Thomas M. Waits, PE
MSJ - Mica Jackson, PE
JAH - Jason Hock, EI, MSCE
RAF - Raif Prevatt, EI, MSCE
SDS - Sabrina Smith
ESE - Eli Enders, PE, PTOE
CRG - Christopher Gallagher, PE
CLH - Chrissy Helenbrook, EI

V. PROPOSED DESIGN APPROACH TO THE PROJECT

A. Design Methodology - Our team's goals for the project will be to deliver a design to the County that is on schedule, economical to build, resistant to future storm damage and long lasting. To that end we have carefully read the project RFP and visited the site and, combined with our experience on similar projects, identified the following keys to a successful project completion:

a. Proactively address Environmental Permitting.
b. Site Inspection and findings presentation with the County as well as proposed repair/replacement method.
c. Establish realistic and concise schedule and timeframe of submittals. This includes our **phased design approach** of conceptual plans (30%) all the way through to final construction plans (60%, 90%, 100%, RFC). See attached Project Schedule.
d. During inspection, identify potential out-of-scope/high-risk items to determine solution path and if they can be addressed under this contract.

B. Anticipated Issues

1. **Economy** – We will inspect the existing seawall in detail and determine if sections of it can be restored without the need for full reconstruction. Our experience with similar projects shows that identifying limits of repair/reconstruction is important to avoid scope creep and maintain fiscally responsibility. Our approach to the project will focus on the most critical design issues for the project which are:

   a. Deadman anchoring – identification of the deadman anchoring and location if utilities are nearby or seawall stability is questionable so an effective and constructable solution can be developed.
   b. ADA and Handrail connection to existing – The repaired section of handrail may be a different product than the existing handrail if the existing is no longer in production. It will be important to identify the repair limits and if the existing can be sourced and still ADA compliant.
   c. Seawall cap design and construction joints to existing concrete – establishing limits of repair to sound concrete is important to identify early to avoid unnecessary overruns during construction. Pictures during the field inspection help substantiate the plans in-case field conditions are altered after plans are developed.
   d. Identification of scour and foundation damage – We have successfully repaired seawalls without underwater inspections by utilizing above-ground methods developed by our in-house Geotechnical team. We do not anticipate needing underwater inspection on this project. However, if after discussions with the Charlotte County PM, it is deemed necessary, we have teamed with Volkert Engineering for underwater inspection on several projects in the past, and we can add them to the team at that time.

2. **Constructability** – Seawall construction can present challenges in terms of constructability since the existing seawall area may be highly unstable. We have solved this in the past by pumping flowable fill to secure the toe of the seawall underwater. For example, typical seawall replacement projects allow a reduced permitting effort if the new wall is built within 18 inches of the existing seawall, so it will be important to confirm this with the permitting authority. We have utilized this method on previous projects, such as Spencer's Boatyard Seawall Construction, to aid in reduced permitting efforts.

3. **Biddability** – We understand that the County wants a trouble-free bidding process and zero claims during construction, and this is perfectly aligned with our corporate philosophy. HighSpans also provides extensive Construction Engineering and Inspection (CEI) services, so our QA process includes biddability reviews by our CEI staff to ensure a trouble-free bidding process and no issues during construction.

4. **Durability** – Seawalls are inherently subject to significant damage due to the aggressive and corrosive environment in which they are located. Our design staff stays up to date on the very latest innovative materials that are being developed to resist these attacks.

5. **Environmental Permitting** – Permitting will be on the critical path and has the potential to delay the bidding process. Permitting responsibilities through ACOE and SFWMD have shifted in the last year, and we are aware how to successfully navigate through this new system. Our strategy will include pre application meetings very soon after NTP to establish overall allowable design parameters and to identify any additional field work necessary to limit the potential project delays.

    a. **Wetlands and Surface Waters** - Jurisdictional surface water impacts associated with the Bayshore Live Oak Park seawall replacement project will include minor impacts to the Peace River. Environmental Resource Permitting with the designated state agency (Southwest Florida Water Management District or Florida Department of Environmental Protection) and Federal Dredge and Fill permitting with the U.S. Army Corps of Engineers (USACE) for the surface water impacts will be required. Because the project proposes the replacement of existing seawall areas, the regulatory agencies may classify the proposed in-water work as maintenance. This will help expedite the USACE permitting timeframe by qualifying for a Nationwide permit process. Mitigation for the minor impacts to the surface waters are not anticipated to be required.

    b. **Protected Species** - The proposed project is located within the critical habitat of the West Indian manatee and contains suitable habitat for the federally threatened eastern indigo snake, wood stork, Eastern black rail, Everglades snail kite, rufa red knot, American crocodile, green sea turtle, Gulf sturgeon, and the endangered Florida bonneted bat. Comprehensive protected species surveys for these species and consultation with the U.S. Fish and Wildlife Service (FWS) and Florida Fish and Wildlife Conservation Commission (FWC) may be required if an Individual Federal Dredge and Fill permit is required by the USACE. Impacts to these species are anticipated to be minor and our environmental team has successfully permitted numerous projects with similar impacts to these species. Proposed work and staging areas may occur within suitable gopher tortoise habitat. Our team recognizes the County desires to protect their natural resources. Native trees, habitats and protected species will be avoided to the maximum extent practicable. If potentially occupied gopher tortoise burrows are located within and adjacent to the project limits and they cannot be avoided with a minimum 25' protection buffer per FWC guidelines, we will work with the County to determine whether an on-site or off-site relocation permit is desired. Our environmental team are authorized gopher tortoise agents with the FWC and can complete any necessary permitting for this species with no impact to the project schedule.

Design Development – Utilizing the above information from our inspection and geotechnical investigation, plus any historic documents provided by the County, we will conduct an analysis that provides:

a. Evaluation for Load Carrying Capacity: Structural evaluation of the bridge to confirm the current load rating restriction of 27 tons is still viable.

b. Evaluation for Scour Vulnerability: Analysis to determine whether the structure is vulnerable to foundation settlement due to undermining caused by hydraulic scour. This analysis will be performed utilizing the procedure developed by FDOT Bridge Scour Policy Guidance in combination with HEC-RAS analysis.

C. Innovative Approach

At HighSpans, we are always in pursuit of innovative and cost-effective solutions. On the **Lakes Park Project**, we implemented an innovative cost saving design of timber pile repairs that allowed 125 piles to be salvaged with significant project cost savings. On the **Spencer's Boatyard** Project, we utilized an innovative design using stainless steel-clad reinforcement for all concrete sections to ensure 75-year service life plus a vinyl (Truline) concrete filled sheet pile wall system to ensure a corrosion free design life in this highly corrosive environment. We are no stranger to new solutions for seawall as well. On the **Bat House Park** Project, we utilized flowable fill to stabilize the soil behind the seawall to allow installation of new tie backs that stabilized the existing wall.

VI. RECENTLY ACCOMPLISHED SIMILAR PROJECTS

Lakes Park Boardwalk Reconstruction, Lee County Parks and Recreation, 2024 – HEI served as Engineer of Record for the reconstruction and replacement of 22,000 sf of existing timber boardwalk for this 335-acre park in Fort Myers with a construction cost of $1.5M.

1. Schedule & Cost Control: Accelerated project design schedule from conceptual to final plans while staying within original design fee/budget.
2. Construction Problems and Solutions: Address updated ADA guidelines at repaired/replaced boardwalk sections by increasing boardwalk elevations where possible to minimize slopes and grades.
3. Additional Construction costs caused by design deficiencies, not program changes: To avoid the potential of additional construction costs caused by design decisions, we met with Lee County after the initial inspection to discuss the findings and proposed repairs/replacements.
4. Project delivering seawall? This project did not include a seawall, but other design and permitting elements are similar to the Bayshore Live Oak Park Seawall. For example, the environmental permitting, due to recent regulatory changes, required more upfront and aggressive attention to ensure schedules were met.

Spencer's Boat Yard Seawall Reconstruction, City of Key West, 2024 – HEI served as Engineer of Record for the replacement of 200 feet of existing concrete/steel seawall and construction of boat gantry platforms for this existing City owned boat yard located in Key West with a construction cost of $1.6M.

1. Schedule & Cost Control: In-house geotechnical evaluation to avoid third-party scheduling delays and quick coordination with in-house structural team throughout design phases.
2. Construction Problems and Solutions: Strictly adhere to permitting criteria to minimize permitting efforts; vinyl sheet pile walls, stainless steel-clad reinforcing, GFRP reinforcement, all done to address extremely aggressive marine environmental classification.
3. Additional Construction costs caused by design deficiencies, not program changes: Client received high-cost proposals during bidding phase from Contractors; so to reduce construction cost, extraneous features such as forklift boat lift were removed from the plans.
4. Project delivering seawall? Yes. Project included new seawall in an extremely aggressive coastal marine environment.

Bat House Park Reconstruction, Lee County Parks and Recreation, 2023 – HEI served as Engineer of Record for the reconstruction of 150 feet of existing seawall and upland pedestrian areas plus reconstruction of existing restroom facilities and other amenities at the Lee County Park with an estimated construction cost of $400k.

1. Schedule & Cost Control: With an expedited schedule and a modest budget, we quickly addressed issues to complete repairs before the next hurricane season.
2. Construction Problems and Solutions: Scoured foundation at seawall toe replaced with flowable fill and armored with large aggregate and riprap to prevent future undermining. This quick and effective solution allowed for quick repair with no construction issues.
3. Additional Construction costs caused by design deficiencies, not program changes: None. The minimized design fee led to precision scoping and plans delivery so County Fiscal Budgets were met.
4. Project delivering seawall? Yes, along with other design elements. Reconstruction and repair of seawall segments from seawall cap design, deadman design and anchoring, and foundation scour redesign.

Matlacha Fishing Pier Hurricane Reconstruction – HighSpans served as Engineer or Record for this FEMA funded reconstruction of the existing fishing pier and park amenities at Matlacha Park with a construction cost of $0.4M.

1. Schedule & Cost Control: Inspection report developed to accurately catalogue replacement scope and criteria.
2. Construction Problems and Solutions: Last minute building permit requirements during construction required a fire extinguisher on the pier so we worked quickly to identify the location and housing materials to withstand the salty environment.
3. Additional Construction costs caused by design deficiencies, not program changes: Accurate scoping and inspection

allowed the team to quantify and address amenities improvements, such as benches, trash cans, fish cleaning station, ADA, and lighting to minimize changes and additions during construction.

4. Project delivering seawall? This project did not include a seawall. Similarities to this RFP include project location along the Gulf and design challenges included aggressive environment classification and environmental permitting hurdles.

VII. EXPERIENCE AND CAPABILITES

A. VALUE ENGINEERING – In 2023 HighSpans was selected by the Florida Department of Transportation to provide Value Engineering Services for a 5-year statewide contract serving all Districts. This is a 5-yr contract that includes VE workshops for transportation, infrastructure system, flood control, and facility construction projects. We've also utilized Value Engineering methods on previous projects to ensure that the client is receiving the optimal solution. We've teamed with Contractor's before as well to review design plans and develop more cost-effective alternatives. We understand that value engineered solutions from less experienced consultants may bring maintenance issues for the client, so we analyze and discuss all risk with the client so a full picture can be presented.

B. COST ANALYSIS AND CONTROL – As previously discussed, our Assistant Project Manager will lead control analysis and control efforts to ensure the design and construction budgets are met. We hold company-wide design meetings twice per week amongst all the staff to discuss all ongoing projects, status, issues, budget and schedule. This allows all staff to weigh-in on a project and issues are discussed in an open forum to determine the path to a solution. This project will be added and discussed amongst the team regularly to ensure cost and schedule control is achieved.

C. LIFE CYCLE COST ANALYSIS - On all our repair projects, we analyze the expected service life with the cost of the repair to ensure the client understands what the plans are proposing. We understand that a more thorough repair will require less maintenance from the client. More thorough repairs aren't always the most expensive option, and we will utilize our expertise to ensure that Charlotte County is given the best design alternative. We also have experience with FEMA and have analyzed components to ensure that repair options meet funding requirements.

D. ENVIRONMENTAL ASSESSMENT - Our environmental team has local, relevant experience with environmentally sensitive resources which will help ensure a smooth process from the beginning with an accelerated ability to recognize any potential environmental issues involved with the project. Our long history of permitting environmentally sensitive projects in south Florida has resulted in many valuable long-term relationships and contacts with the regulatory community that are based on mutual respect and teamwork. These attributes will help ensure a successful permitting process from start to finish.

E. PERMITTING FOR CHARLOTTE COUNTY – We have municipality experience obtaining building permits and other site work and demolition activities from the Counties and Cities we've worked for in the past. If necessary, we will coordinate with building officials to obtain the appropriate permitting and provide guidance in the plans and contract documents so the Contractor understands the requirements.

F. SPECIALIZED MARINE/COASTAL EXPERIENCE – The projects below outline our marine/coastal project experience, as well as our structural and engineering experience. Our CEI team is currently working on the Sanibel Causeway Bridge Repairs. This project is constantly discussed during our biweekly design meeting so all can learn from it. Also, we've had projects in Key West along the most southern point and along the Gulf within Collier County to address areas impacted by Hurricane Irma. Our seawall experience extends along the Gulf and we look forward to bringing this experience to Charlotte County.

G. WORKING ON GOVERNMENT/PUBLIC FACILITIES – Our government/public facilities and structure replacement/repair experience includes sports stadiums such as JetBlue Park and Lee Health Sports Complex, bridges, elevated walkways, roof systems, foundations repair, seawall, site grading, ADA handrail and sidewalks, and drainage culverts and box culvert structure repair. We also have extensive experience in roadway, transportation design, and traffic analysis within the public right of way. We are familiar with utilizing the current FBC and GreenBook criteria.

REFERENCES – The following are both the **Firm** and **Lead Designer** references.

Project Name:	Lakes Park Boardwalk Reconstruction
Reference Name:	Joshua Hudson, P.E.
Title:	Project Manager
Email:	JHudson@leegov.com
Phone Number:	239-357-2956

Project Name:	Spencer's Boat Yard Seawall Reconstruction
Reference Name:	Serge Mashtakov, P.E.
Title:	President
Email:	serge@artibusdesign.com
Phone Number:	305-304-3512

Project Name:	Bat House Park Reconstruction
Reference Name:	Ehab Guirguis
Title:	Director
Email:	EGuirguis@leegov.com
Phone Number:	239-533-8838

Project Name:	Matlacha Fishing Pier Hurricane Reconstruction
Reference Name:	Elaine Capps, P.E.
Title:	Senior Project Manager
Email:	ECapps@leegov.com
Phone Number:	239-823-4618

Project Name:	Estero Pedestrian Bridge
Reference Name:	David Willems, P.E.
Title:	Public Works Director
Email:	willems@estero-fl.gov
Phone Number:	239-221-5035

VIII. Volume of Work

HighSpans has completed Design and CEI projects in Charlotte County, (see location), but we have not received any work directly from the County.

IX. Location

HighSpans Engineering, Inc. is Headquartered in the City of Fort Myers, on McGregor Boulevard. Our operations office in downtown Fort Myers is where our local engineers and designers are set up to handle day to day design work. Most of our corporate support staff are also located in this office, working side by side with the design team to support them in contract administration.

Our materials testing lab, which houses our geotechnical equipment and staff, is just off I-75 on Treeline Blvd.

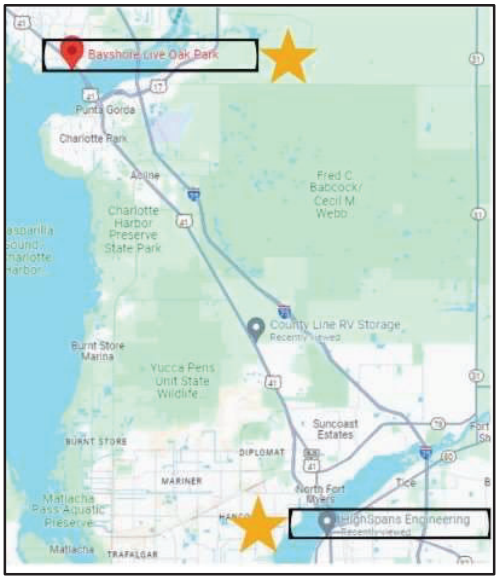
Being Founded in Lee County, we understand the peculiarities of the SWFL community. As such, we are able to be uniquely responsive to all our SWFL clients. And while we have never been contracted directly by Charlotte County, we have worked on projects within Charlotte County. This includes the Harborwalk Pier that included the construction of over 1400 ft. of new boardwalk, viewing decks, and fishing platforms that extended beneath US 41 in the Charlotte Harbor as part of the Gateway Harbor Walk improvements where we served as construction inspection for the contractor, and repaving of the Charlotte County Airport Authority runways and taxiways at the Punta Gorda Airport serving as asphalt plant inspection.

For this project, our offices are less than 20 minutes from the Charlotte County line and under 40 minutes from the project location.

Main Office:
2121 McGregor Boulevard
Ft. Myers, FL 33901

Materials Testing Lab:
13850 Treeline Avenue South
Ft. Myers, FL 33913

Hillsborough Office:
1503 South US 301
Tampa, FL 33619



X. Litigation

None

XI. Minority Business

HighSpans Engineering, Inc., is a certified DBE. See cert attached.

TEAM ORGANIZATION

DBE CERTIFICATION

FORMS

RFP No. 2024000427
Design Restoration / Repair of Seawall
HighSpans Team | Staff Organization Chart

HighSpans ENGINEERING, INC.

Charlotte County Project Manager

Principal Director

Vince Zaliauskas, PE, SE
Principal Engineer

Project Manager & Engineer of Record

Thomas M. Waits, PE
Chief Engineer

Geotechnical and Materials Testing

Christopher Gallagher, PE
Geotechnical Engineer
Gloria White
Lab Manager

Engineering & Design Team

Eli Enders, PE, PTOE	Assistant Project Manager
Jason Hock, EI, MSCE	Senior Structural EI
Raif Prevatt, EI, MSCE	Senior Structural EI
Mica Jackson, PE	Drainage and Hydraulics

Plans Production and QA/QC

Sabrina Smith	Senior CADD
Chrissy Carrillo, EI	Specifications & QA/QC

Corporate Support

Schelle Buchholz, SVP/CFO
Lindsay Eaton, Contract Support
Gindrutis Zaliauskas, Invoicing Specialist
Andrea Myers, Administrative Assistant

Pennoni

Environmental Permitting

Justin Hojnacki - Pennoni
Betsie Hiatt - Pennoni

Survey

Robert DuBois, PSM - Pennoni

Florida Unified Certification Program

CERTIFIED

Disadvantaged Business Enterprise

Highspans Engineering, Inc.

This certificate acknowledges that the above named firm is approved by the Florida Unified Certification Program (FUCP) as a Disadvantaged Business Enterprise (DBE), under rules promulgated by the U.S. Department of Transportation (DOT) in Title 49, Part 26 of the US Code of Federal Regulations.

This certification entitles the above named firm to provide product(s) and/or service(s) under the following category(s) only: Engineering Services, Drafting Services

NAICS Code(s): 541330, 541340

ANNIVERSARY DATE: Annually August 24th.
CERTIFICATION REVIEW DATE: August 24, 2028

Benjamin R. Siegel, CPA, C.M.
Executive Director

LEE COUNTY PORT AUTHORITY
FUCP CERTIFYING AGENCY

Julio A. Rodriguez
DBE Manager

BYRD ANTI-LOBBYING CERTIFICATION

Certification for Contracts, Grants, Loans, and Cooperative Agreements

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

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of an Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S.C. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

08/08/2024
Date

Michelle L. Buchholz
Type or Print Name


Signature

SVP & CFO
Title

DRUG FREE WORKPLACE FORM

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that HighSpans Engineering, Inc. does:
(name of business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.

2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.

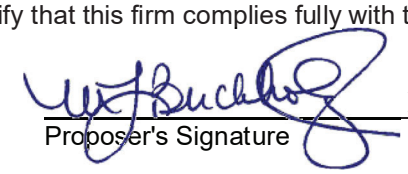
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).

4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.

5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.

6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of this section.

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



Michelle L. Buchholz
Proposer's Signature

08/08/2024
Date

END OF PART V

(This form must be completed & 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** X
Comments or Additional Information:	HighSpans is a DBE Certified through the Florida Unified Certification Program/Lee County Port Authority.

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. 1 Dated 07/30/2024 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 (__)

HighSpans Engineering, Inc.
Firm Name

(239) 433-3000
Telephone

Fictitious or d/b/a Name

77-0681624
Federal Employer Identification Number (FEIN)

2121 McGregor Boulevard, Suite 200
Home Office Address

Fort Myers, FL 33901
City, State, Zip

17
Number of Years in Business

Address: Office Servicing Charlotte County, other than above

Name/Title of your Charlotte County Rep.

239-433-3000
Telephone

Michelle L. Buchholz, SVP & CFO
Name/Title of Individual Binding Firm (Please Print)

Signature of Individual Binding Firm

8/8/2024
Date

SBuchholz@HighSpans.com
Email Address

(This form must be completed & returned)

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
	Tom Waits, PE	27	Tallahassee	Fort Myers	Tallahassee
	Eli Enders, PE	11	Out of state	Out of state	Out of state
	Mica Jackson, PE	20	Fort Myers	Fort Myers	Naples
	Christopher Gallagher, PE	9	Fort Myers	Fort Myers	Fort Myers
	Jason Hock, EI, MSCE	4	Fort Myers	Fort Myers	Fort Myers

2.	Magnitude of Company Operations	
	A) Total professional services fees received within last 24 months:	$ 2M
	B) Number of similar projects started within last 24 months:	11
	C) Largest single project to date:	$ 1.1M

3.	Magnitude of Charlotte County Projects	
	A) Number of current or scheduled County Projects	0
	B) Payments received from the County over the past 24 months (based upon executed contracts with the County).	$ 0.00

4.	Sub-Consultant(s) (if applicable)	Location	% of Work to be Provided	Services to be Provided
	Pennoni Associates, Inc.	Ft. Myers, FL	15%	Survey / Environmental Permitting

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
	Phone #	Contact Name
	Start Date	Ending Date
	Project Name/Description	

NAME OF FIRM HighSpans Engineering, Inc.

(This form must be completed and returned)