



City of Key West

Qualifications Package to Provide Environmental Engineering Services

RFQ 25-002

Due Date and Time:

2025-04-10, 3:00 p.m.

TABLE OF CONTENTS

Letter of Transmittal	2
Firm Background	3
Personnel	9
Experience, Qualifications, and References	11
Approach and Methodology	18
Sworn Statements and Affidavits.....	20





LETTER OF TRANSMITTAL





April 10, 2025

City Clerk
City of Key West
1300 White Street
Key West, Florida 33040

16250 NW 59th Avenue
Suite 206
Miami Lakes, FL 33014
+1 (314) 920-8359
wsp.com

Re: Environmental Engineering Services, RFQ # 25-002

Dear Selection Committee:

WSP USA, Inc. (WSP) is pleased to submit our qualifications to you for the City of Key West's Environmental Engineering Services contract. The City of Key West has outlined a comprehensive scope of services that will require the expertise of many diverse consulting professionals. With an office in Miami since 1994, WSP, as a leading international engineering, environmental, and professional services firm, brings the local commitment, capabilities, and resources to help the City achieve its goals. Our proposed team has the requisite qualifications to execute the services identified in the RFQ.

Our team has provided high-quality professional environmental engineering services to many South Florida communities for several decades. As a result, we're sensitive to the challenges our clients face. Our team includes experts in environmental assessments and recommendations on solutions, coastal and resiliency planning, design, and implementation, bringing together vital expertise for successfully delivering projects of this scope. That expertise includes:

- ✓ Strong local team presence, with multiple key staff residing and working in the Florida Keys.
- ✓ Deep nationwide bench that brings lessons learned from complex projects and an overlap in design capabilities, allowing us to streamline our design process and schedule.
- ✓ Full-service engineering design team, including environmental, civil, and geotechnical engineers and a dedicated pipeline team experienced in relocating and rehabilitating pipes across stream corridors.

Our team understands the complexity of working in the Florida Keys and has been diligent in adding local staff to help with responding to the needs of our clients including Monroe County, City of Marathon and Village of Islamorada. The staff are well versed in the services being requested under this contract and include a staff engineer, senior biologist, and senior construction field supervisor. This local team will be able to respond to the City's needs as they arise working with our local and experienced technical team and subconsultants.

Additionally, WSP understands the budget limitations for funding these important projects and has a team of grant specialists who have successfully identified opportunities and receipts of grants. We also understand the City is performing a vulnerability and adaptation plan that will be essential for identifying those projects to be funded by these grants and will work diligently with the City to help prepare and submit applications.

Gregory "Greg" Corning, PE, will be the Contract Manager for this opportunity and point of contact for the City. Mr. Corning is a qualified professional with extensive experience and will remain fully accessible throughout the contract. Christine "Crissy" Mehle, PE, CFM, ENV SP, is authorized to make representations on behalf of WSP. Their contact information is provided below.

WSP is committed to making a lasting and positive impact by executing projects focused on building sustainable and resilient communities; protecting, preserving and enhancing the natural environment; and increasing the economic and social quality of life in the Keys. We look forward to building on our successful partnership with the City of Key West.

Sincerely,

Gregory "Greg" Corning, PE
Project Manager
16250 N.W. 59th Ave.; Suite 206
Miami Lakes, FL 33014
(314) 920-8359
greg.corning@wsp.com

Christine "Crissy" Mehle, PE, CFM, ENV SP
Vice President, Florida Water Lead
550 Northlake Blvd. Suite 1000
Altamonte Springs, FL 32701
(470) 991-3771
christine.mehle@wsp.com

FIRM BACKGROUND



FIRM BACKGROUND

WSP is one of the world's leading engineering and professional services firms. A corporation licensed and registered in the State of Florida, we are engineers, planners, technical experts, strategic advisors and construction management professionals dedicated to serving local communities.

Company Profile

Background and History

With a 138-year history, WSP is one of the oldest continuously operating consulting firms in the United States that has a strong commitment to technical excellence, a diverse workforce, and dedicated service to our clients. Our infrastructure portfolio ranges from the mega projects that define an entire region to smaller, more local projects that keep communities humming.

In Florida, we have provided environmental solutions including environmental assessments, planning and design, hydrogeological investigations, remediation, permitting, rehabilitation of coastal facilities, project management, construction of infrastructure systems and more for cities, counties and utilities for more than 60 years.

With the acquisition of Wood Environment & Infrastructure Solutions, Inc. in 2022, our Florida staff now includes more than 900 professionals providing services throughout the state from 23 strategically located Florida offices. This Florida statewide presence allows us to consider every Florida project a local project and enables associates to mobilize to almost every part of the State in less than a 2-hour drive time. We are renowned for our expertise and professionalism, our sustainable integration of engineering and science methodologies, and our innovative approaches to finding solutions which fit within the complexities of any project assignment.

Our Florida based staff offer an unmatched pool of knowledge and experience with regards to providing environmental due diligence, site assessment and site remediation services throughout Florida's extremely diverse regions. These capabilities are supported by our extensive knowledge of Florida agriculture, silviculture, landuse, sensitive habitats, wetlands, aquatic and terrestrial ecology, geology and hydrogeology. WSP staff are also well versed

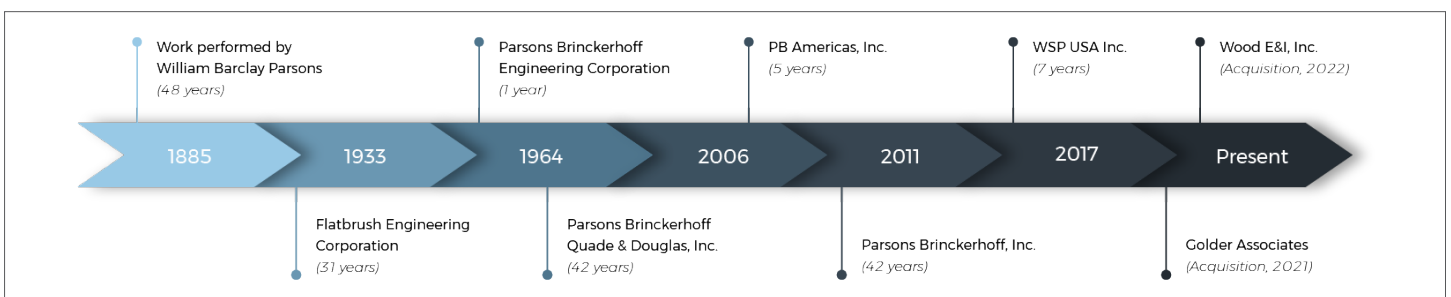


with the regulatory and political climate in Florida. At WSP we add value to our client's projects through an unusually proactive approach and innovative problem solving. Whatever the scope of an assignment, we look to our client's broader goals, working to provide comprehensive solutions that achieve regulatory requirements, save money, save time, and improve operations. In this way, we serve our clients not only as a consultant, but as a partner and advocate.

Some of our clients include Monroe County, City of Marathon, Key Colony Beach, Layton, Village of Islamorada, Ocean Reef, City of Naples, Miami-Dade County, Florida Department of Environmental Protection, and South Florida Water Management District.

We Know Key West

WSP has been serving the City of Key West and Monroe County for more than a decade and is familiar with all aspects of permitting and regulations or projects in the Keys. We know the uniqueness of the City of Key West and Monroe County. Varying elements include geographical, transportation (one main thoroughfare and hurricane evacuation), stormwater management, storm surge, growth management, development and habitats that are exemplified by the Keys' designation as an Area of Critical State Concern. We also understand the species and water



quality considerations as the Keys adapts to future flood risk. Team members have not just spent time in the Keys on vacation, we have lived there and know the challenges of day to day living as well as the incredible qualities that make your communities special. We have been and will be your trusted partner in completing these projects and communicating them in a way to the public that manages expectations. We have a strong record in helping to protect the Keys and the unique quality of life you enjoy—we want to continue that success as your partner.

Specialized Experience

WSP offers our municipal clients a diversity of engineering, environmental, and surveying services ranging from environmental planning to coastal design and permitting. Our depth of global resources allows us to provide our clients with innovative solutions engineered to fit perfectly with the City's needs. Our team is dedicated to delivering innovative and sustainable solutions tailored to meet the unique challenges faced by our municipal clients and we are excited to continue offering our expertise to the City of Key West for the requested comprehensive environmental engineering services.

Contaminated Site Investigation and Remediation Services

WSP has extensive experience in contaminated site investigation and remediation. WSP works to meet the assessment or remedial strategy, including mitigation of health and environmental risk, and reduction of environmental liability for each client's specific goal and objective. Our practitioners evaluate remedial options, feasibility studies, and design remediation programs to remediate contaminated media. Our approach to environmental management focuses on integrating environmental issues with safety, quality, and productivity to the benefit of our clients and the environment. Our expertise allows clients to effectively identify contaminated areas, determine appropriate site reuse, and provide critical information needed to successfully advance projects.

Our services include:

- ✓ Soil contaminant assessment and remediation
- ✓ Environmental audits
- ✓ Groundwater impact assessments
- ✓ Monitoring well design, placement, and sampling
- ✓ Petroleum storage and handling
- ✓ Solid waste handling and landfill design
- ✓ RCRA, CERCLA, and Superfund projects

Our experience relates to a wide array of remediation activities and technologies such as the installation and operation of in-situ remediation systems for underground

storage tank (UST) sites and operating and abandoned waste sites. We have also completed long term monitoring of remedial activities and extensive source removal projects, including a recent source removal beneath an operating facility. WSP project managers have decades of experience in site characterization, pathway evaluation, feasibility studies, and corrective action implementation as well as highest/best use analysis of remediation sites. We have successfully obtained tier I and II residential, commercial, and industrial closures of USTs under Part 213. We also have experience closing numerous USTs that are not regulated under Part 213.



WSP's solid waste professionals have assisted in the development of innovative, cost-effective methods to treat landfill leachate. By finding financially favorable treatment systems, we can help our clients drastically cut landfill operation costs. WSP staff includes scientists, engineers, geologists, and environmental scientists who combine their expertise to develop effective and environmentally responsible landfill leachate management programs. We work with our clients to meet regulatory guidelines and create leachate systems that lessen the landfill's impact on the environment by reducing its carbon footprint. Our solid waste team has practiced for more than 30 years and offers engineering assistance, geologic, and environmental assistance for permitting, monitoring, and maintenance of solid waste facilities. WSP's engineers and scientists have a thorough knowledge of applicable local, state, and federal regulations. In addition, we work with stakeholders to evaluate and develop strategies to meet the long-term solid waste needs of the community that produce a minimum impact to the environment. Our solid waste team also provides operational support through the development of maintenance plans, pollution prevention plans, training, geotechnical laboratory testing, and scheduled updates.

Industrial Hygiene Services

WSP's comprehensive industrial hygiene services assist our clients with managing their occupational exposure risks. We provide hazardous materials management from the planning/survey phase through design, bidding, abatement, and construction/monitoring.

- ✓ Full suite of industrial hygiene and hazmat services
- ✓ Specialized certifications such as CIH, CSP, CHMM, PMP, LEED/WELL, and many others
- ✓ Preferred partner of some of the largest corporations in the world
- ✓ Trusted advisor on high-profile projects including Lincoln Memorial/National Mall asbestos rehabilitation

Underground Storage Tank (UST) Site Services

Our team has successfully managed numerous UST projects, ensuring regulatory compliance and effective remediation. We utilize advanced technologies and methodologies to assess and remediate UST sites, minimizing the risk of environmental contamination and ensuring the safe and efficient operation of storage tank systems.

Real Estate Development Support Services

WSP has a proven track record of assisting clients in navigating complex regulatory environments and achieving successful project outcomes. Our team works closely with developers, property owners, and regulatory agencies to ensure that all environmental requirements are met, and potential risks are effectively managed. This includes local permit applications, Phase I and Phase II Environmental Site Assessments (ESA), contamination assessment, and remediation design. We provide comprehensive support throughout the entire development process, from initial site assessments to final project completion.

Stormwater Management and Water Quality

The WSP project team is comprised of staff having extensive drainage and stormwater related project design and construction experience. We have developed numerous stormwater management facilities for public and private entities. We are recognized around the state for having the experience and qualifications necessary to plan, design, and implement stormwater related projects efficiently and effectively. On the other end of the spectrum, we have completed all aspects of very large regional projects from concept design through as-built certification including post construction monitoring. WSP is recognized as pioneers in the stormwater management arena. We have the unique ability to seamlessly accommodate both the science and engineering aspects of stormwater and receiving waterbody

quality dynamics. We are also unique in our breadth of stormwater expertise that includes:

- ✓ TMDL development and compliance
- ✓ Basin management action planning
- ✓ WMD/FDEP rule making support via TAC involvement
- ✓ Regional scale watershed management planning
- ✓ Stormwater master planning
- ✓ Stormwater utility development
- ✓ Minimum flows and levels
- ✓ NPDES program management
- ✓ Comprehensive compliance and maintenance management



Our team often recommends and incorporates a multiple use approach to stormwater management and flood abatement projects. Much of our experience involves the development of facilities that provide multiple benefits including flood attenuation, water quality improvement, wildlife habitat, educational opportunities, passive recreational uses, and stormwater reuse. In this manner, our clients can broaden their funding opportunities and maximize the overall benefit of any project to the community.

Over the years, WSP's project team has assisted numerous clients secure funds for water quality related projects. We have tapped into various funding sources including FDEP, CDBG, State Revolving Fund (SRF), Section 319, and Florida Forever. In addition, our team has also assisted communities in the development of stormwater utilities and Municipal Separate Taxing Unit (MSTU)/Municipal Separate Benefit Unit (MSBU) taxing districts.



Coastal Engineering Services

More than 70% of the earth surface is ocean and more than half of the world's population lives within 200 km of the coastline. Effective management of the world's marine and coastal environments has never been more critical. Understanding the complex interactions between humans and other organisms that inhabit marine and coastal ecosystems requires a diverse knowledge base and expertise, coupled with a multidisciplinary approach. WSP's team of dedicated professionals provides comprehensive marine and coastal services to public and private-sector clients around the world.

We are committed to providing innovative and sustainable solutions that enhance the resilience and functionality of coastal infrastructure. Our coastal engineering services are designed to address the unique challenges posed by coastal environments, including sea level rise, storm surge, and erosion. We utilize advanced modeling and analysis techniques to develop effective solutions that protect coastal communities and infrastructure.

From marine biologists to engineers, WSP's professionals provide innovative solutions to meet our clients' changing needs. WSP offers a full range of services in support of marine-based projects and developments, including biophysical surveys, habitat mapping, oceanographic monitoring and modeling, environmental impact assessments, regulatory and permitting support, and marine archaeology. Our ports and marine engineers provide comprehensive engineering services for bulk and break-bulk businesses, container ports, ferry and passenger terminals, marine infrastructure, transmission lines, waterfront developments and the oil and gas industry.

The following list not only illustrates WSP's comprehensive suite of coastal capabilities and experience, but it also provides a sense of WSP's capability to deliver on a promise of "world class capabilities delivered to your doorstep."

Marine Ecology

- ✓ Coastal, estuarine, and marine ecological studies
- ✓ Eelgrass, kelp, benthic invertebrates, and fish surveys

- ✓ Habitat mapping (towed video cameras, ROVs, divers, aerial photography), characterization and ecological sensitivity analysis
- ✓ Marine baseline surveys and environmental impact assessments
- ✓ Habitat compensation plan design, implementation, and monitoring
- ✓ Wetland/estuarine enhancement/restoration
- ✓ Environmental effects monitoring

Marine wildlife (mammals and birds)

- ✓ Aerial/vessel-based marine mammal surveys
- ✓ Baseline surveys and monitoring studies
- ✓ Ecological impact assessment on migratory birds and marine mammals
- ✓ Water and sediment quality studies
- ✓ Water quality monitoring
- ✓ Effluent dispersion modeling
- ✓ Sediment sampling (surface grab/MudMole™/vibracorer) and characterization
- ✓ Sediment remediation design and permitting
- ✓ Dredging plan, dredge material disposal management and permitting

Met-ocean services

- ✓ Oceanographic equipment supply and installation
- ✓ Physical environment monitoring
- ✓ Atmospheric and ocean forecasting
- ✓ High-resolution wind and wave modeling
- ✓ Bow wave modeling
- ✓ Sediment transport modeling (dredging or construction)
- ✓ Emergency response: hurricane, oil spill, ice
- ✓ Coastal flooding risk assessment
- ✓ Climate impact analysis

Ecological risk assessment

- ✓ Toxicological studies
- ✓ Bioavailability testing
- ✓ Sediment toxicity testing
- ✓ Fate and transport modeling
- ✓ Risk communication
- ✓ Risk management plans and strategies
- ✓ Contaminated sites remediation planning

Coastal and marine archaeology

- ✓ Archaeological overviews
- ✓ Archaeological impact assessments
- ✓ Archaeological mitigation
- ✓ Archaeological monitoring of shoreline and dredging operations
- ✓ Underwater archaeology

Ports and harbor engineering

- ✓ Port master planning, detailed design, and construction management
- ✓ Site selection, feasibility studies
- ✓ General cargo, bulk, LNG, and container terminals
- ✓ Port infrastructure planning
- ✓ Shoreline management
- ✓ Coastal hydraulic assessments
- ✓ Risk management

Geotechnical investigations

- ✓ Discrete event simulation modeling for berth occupancy and peak congestion levels in harbors

Geographic information systems and information management

- ✓ Environmental information consulting
- ✓ Spatial data analysis and modeling
- ✓ Application development
- ✓ CAD capabilities
- ✓ Remote sensing
- ✓ Real-time data transmission and visualization
- ✓ Web page support
- ✓ 3-D project visualization

Subconsultants



EBS Engineering, Inc. (EBS) is one of the most reputable growing engineering firms in Florida. Founded in Miami, Florida in 1994, EBS is certified with Florida Department of Transportation as a small disadvantage business enterprise (DBE), Miami-Dade County as local small business enterprise Architect-Engineer (SBE/AE), Broward County as county business enterprise (CBE) and Broward/ Miami-Dade Public Schools as small minority business enterprise (S/MBE). With highly qualified and experienced professional and support staff, we are a growing firm with a growing reputation for high quality work and excellent client service.

Over the past 30 years, EBS has demonstrated its ability to provide innovative, cost effective and high-level quality engineering and construction services to a broad group of clientele. Our services are in the following general areas:

- ✓ General Civil/Roadway Design
- ✓ Environmental Engineering - Contamination Assessment, Risk Assessment and Remediation
- ✓ Drainage/Stormwater Engineering
- ✓ Water & Sewage Design Services
- ✓ Infrastructure Improvements
- ✓ Construction Management/Cost Estimating/Inspection Services
- ✓ Program/Property Management

EBS's growth in recent years has been attributed to the trust and confidence that its clients have in the company's performance. Major clients have included:

- ✓ South Florida Water Management District
- ✓ Cities of North Miami, Miami, Opa Locka, Miami Gardens
- ✓ Miami-Dade County
- ✓ Florida Department of Transportation



Perez Engineering & Development, Inc., has provided professional services in the public, industrial, military, and private sectors for more than 20 years. Based in Key

West, the firm's staff has a proven record in successfully managing and completing complex multi-discipline projects throughout the State of Florida and the Caribbean. Perez's staff of local experts has successfully served municipal and private sector clients throughout Key West and Monroe County with the implementation of civil engineering and utility engineering projects. The firm's engineering design experience includes hydraulic and hydrologic computer

modeling of stormwater management systems; the design of potable and sanitary utility systems, pump stations, paving and grading design, and structural engineering.

Perez has successfully managed and completed various types of multidiscipline contracts including continuing services contracts for municipal and state government, federal government and private industry. The firm has been one of the City's "General Engineering Consultants" for the past 15 years and Perez has been involved in more than 100 projects within the City of Key West for where they were responsible for general civil engineering design, the design of new infrastructure, replacement of infrastructure or upgrades to infrastructure.

The following is a list of some of Perez's current and previous municipal clients and contracts:

City of Key West

- ✓ General Storm Water and Wastewater Engineer
- ✓ Professional Engineering Consulting Services

Monroe County

- ✓ General Airport Consultant
- ✓ Architectural/Engineering Services for Small Projects

Florida Keys Aqueduct Authority

- ✓ General Engineering Services

Monroe County Housing Authority

- ✓ General Engineering Services

Key West Housing Authority

- ✓ General Engineering Services

Monroe County School Board

- ✓ General Engineering Services

Legal and License-Related Matters

From time to time in the ordinary course of business, WSP USA Inc. is subject to various legal proceedings, including litigation to recover damages, commensurate in nature and volume to firms of its size in the same industry. WSP has no pending litigation that would impact WSP's ability to perform under this contract.

In 2018, WSP USA Inc. failed to renew its professional engineering Certificate of Authorization with the Ohio State Board of Registration for Professional Engineers and Surveyors (the "Board") prior to its expiration. Because the firm had been late in renewing the COA in the past, the Board and WSP entered into a settlement agreement, which included a fine, in lieu of formal hearing or legal

proceedings. The settlement agreement was executed, the fine was paid, and WSP's COA was reissued.

In its 2019 professional engineering license renewal application submitted to the South Carolina State Board of Registration for Professional Engineers and Surveyors (the "SC Board"), WSP USA Inc. inadvertently failed to disclose the disciplinary action taken against the firm in Ohio. In response, the SC Board and WSP entered into a consent agreement, which included a fine and public reprimand against WSP.

In 2021, the professional engineering and geology license renewal applications of WSP USA Inc. were submitted to the Kentucky State Board of Licensure for Professional Engineers and Land Surveyors (the "KY Board"), and inadvertently renewed each license with a deceased person and old company address. In response, the KY Board and WSP entered into a consent agreement dated April 29, 2022, which includes a fine and public reprimand against WSP. The settlement agreement was executed, the fine was paid, and WSP's COA was reissued. WSP did not renew its geology license at the time of this letter.

In its March 2022 Morrisville, North Carolina branch office professional engineering registration submitted to Commonwealth of Virginia Board for Architects, Professional Engineers, Land Surveyors, Certified Interior Designs and Landscape Architects ("Virginia Board"), WSP USA Inc. disclosed the disciplinary actions taken by equivalent boards in Ohio and South Carolina. The Virginia Board issued WSP an Agreement for Registration, placing the firm in a one-year probationary period. The agreement did not result in a monetary penalty.

Membership in Trade Associations

Our team, including our subconsultants, is proud to be active members of several esteemed trade associations, including American Society of Civil Engineers, American Water Resources Association, Association of Environmental Professionals, Association of State Floodplain Managers, Florida Surveying and Mapping Society, Florida Stormwater Association African American Association of Architects and Engineers, and more. The complete list of each individual team member's association affiliations is provided on the resumes in the *Personnel* section of our response.

These memberships reflect our commitment to staying at the forefront of industry standards, best practices, and innovative solutions in environmental engineering. Through our involvement, we continuously enhance our expertise, collaborate with leading professionals, and contribute to the advancement of sustainable engineering practices.

PERSONNEL



PERSONNEL

Our management approach is designed to deliver the highest quality services within the City's schedule and budget requirements. Our team's experience includes all of the disciplines needed to deliver projects to meet the City's goals under this contract.

As one of the world's leading environmental engineering and professional services firms, WSP plays a key role in delivering a more resilient world. Through our project delivery, we provide Future Ready® thinking and unparalleled technical expertise to help our clients thrive. We actively seek out the most transformative solutions to pioneer a more sustainable future. Our diverse teams are comprised of talented, skilled and experienced professionals who are:

- ✓ Collaborative and thrive on challenge and unconventional thinking.
- ✓ Leaders in multiple technical fields.
- ✓ Committed to the highest ethical standards.
- ✓ Passionate about delivering sustainable work that improves our communities and creates a more equitable future.

For the City of Key West, we have assembled a team with recent and relevant experience working together on similar projects.. This team interacts seamlessly and fully understands their role in achieving the key objectives. Our experience and structure allow us to hit the ground running wherever our quality environmental and engineering services are needed. An organizational chart is shown below, and detailed staff resumes summarizing our key staff member's qualifications are included herein.



WSP's Proposed Project Manager

Greg Corning, PE (BS, Civil Engineering, Florida Atlantic University)

Greg Corning, PE, will serve as the WSP team Project Manager. With extensive experience leading environmental efforts across Florida and experience working with the City of Key West and Monroe County, Greg possesses a deep understanding of the intricacies involved in achieving the City's objectives. Mr. Corning is a Florida licensed professional engineer who provides technical input and engineering analysis for projects involving project management, dredging and dewatering planning and design, stormwater design and permitting, environmental design and permitting, and construction administration, engineering, and inspection. Greg has participated in climate resiliency and assessment projects for parks, facilities, roadways, canals, and stormwater assets. He has conducted field exploration and research on several environmental projects, such as sediment analysis for potential contaminants that affect disposal options, surface water quality assessment and monitoring, erosion and sediment analysis, and wetland evaluations. He has experience with TMDLs, BMAPs, and has assisted in the management, planning and design for dredging and dewatering, stormwater, and wetland projects from the design and permitting stage through construction and final certification. He has given several presentations to stakeholders and the public for contentious issues on behalf of governmental clients.

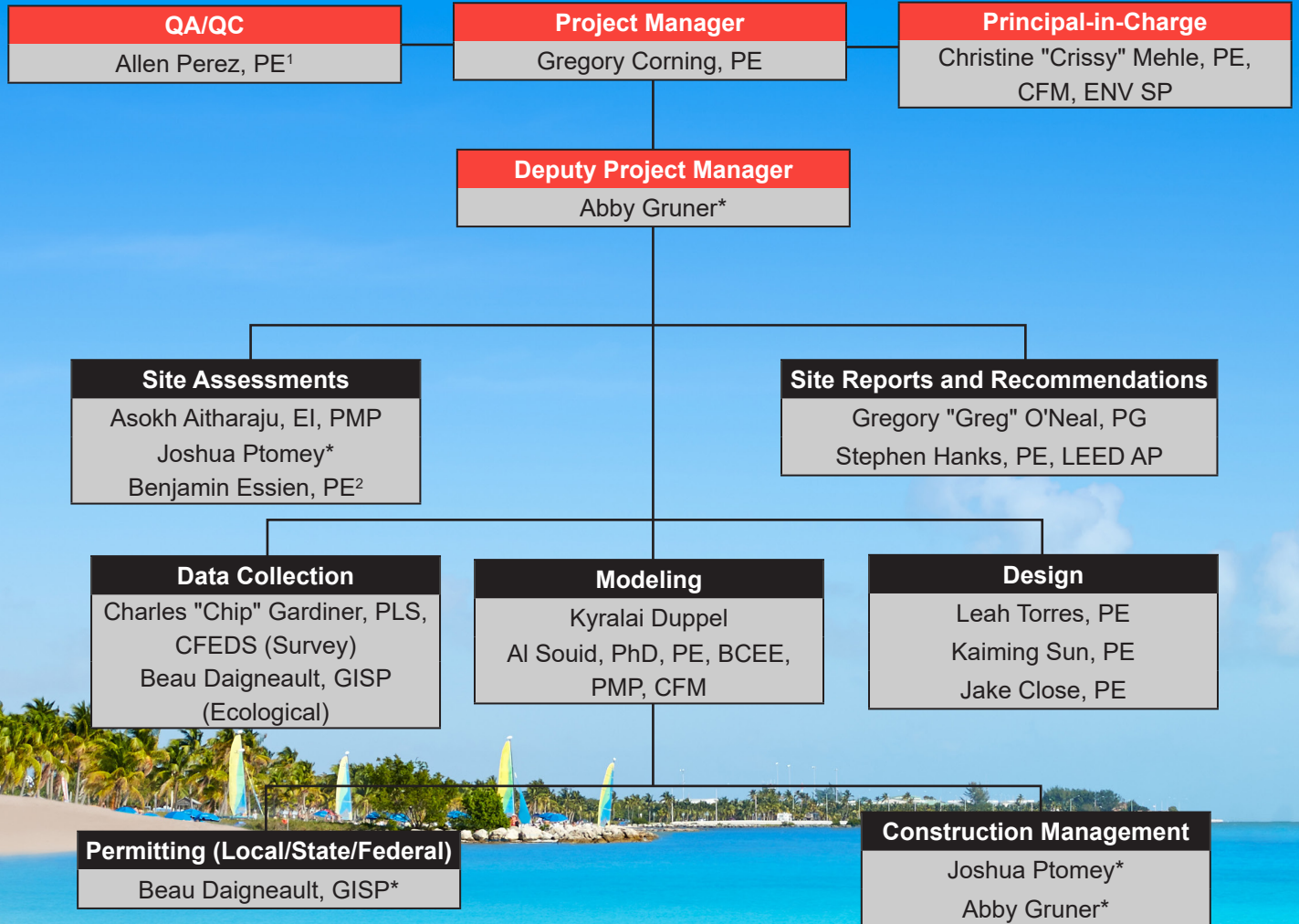
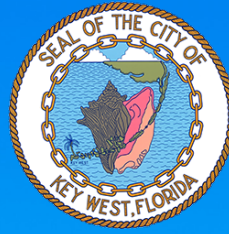
Key Team Members

Many members of the WSP team also have experience working with the City of Key West and many of our team members—including our valued subconsultants Perez Engineering & Development, Inc, and EBS Engineering, Inc—have worked together over the years in a variety of ways. The resumes on the following pages highlight each of our key team members from the organizational chart, their proposed project role, experience, education, and certifications. In combination with the staff resumes, the project descriptions provided in Qualifications, Experience, and References, provides more details pertaining to our team's experience with a variety of environmental and coastal engineering projects.

Organizational Chart

Our proposed team organizational chart is provided on the following page.

WSP Organizational Chart



Project Team Key

- ① Perez Engineering & Development, Inc.
- ② EBS Engineering, Inc.
- * Florida Keys resident

Gregory "Greg" Corning, PE

Project Manager

Firm Name

WSP

Years of Experience

16 (15 with WSP)

Education

BS, Civil Engineering,
Florida Atlantic
University

Professional Registrations

Professional Engineer,
FL No. 79293

Professional Memberships

American Society of Civil
Engineers

American Water
Resources Association

Florida Stormwater
Association

Location

Fort Myers, Florida

Career Summary

As a project manager, Greg provides technical input and engineering analysis for projects involving climate resiliency and assessment, project management, dredging and dewatering planning and design, stormwater design and permitting, environmental design and permitting, and construction administration, engineering, and inspection.

Greg has participated in climate resiliency and assessment projects for parks, facilities, roadways, canals, and stormwater assets. He has conducted field exploration and research on several environmental projects, such as sediment analysis for potential contaminants that affect disposal options, surface water quality assessment and monitoring, erosion and sediment analysis, and wetland evaluations. He has experience with TMDLs, BMAPs, and has assisted in the management, planning and design for dredging and dewatering, stormwater, and wetland projects from the design and permitting stage through construction and final certification. He has given several presentations to stakeholders and the public for contentious issues on behalf of governmental clients. Greg also possesses experience in the development of grant applications, public meetings, and construction documents such as request for proposals, drawings, technical specifications, and cost estimates.

Professional Experience

City of Marathon, Engineering Design and Permitting Services for Culverts and Berm Breaks at Canal #257, City of Marathon, Florida. Project Manager. Restoration of Canal #257 in Sunrise Isle involved implementing a box culvert to allow incoming tide to flush stagnant portions of the canal and a berm break to allow weed wrack material to migrate out of the canal. The system had an existing culvert under Sunrise Road. However, based on a first field visit, the existing culvert was not allowing sufficient tidal flow due to its size and invert elevation. The field visit also revealed that weed wrack was accumulating in the interior corner of the berm. Prepared a design and permit package for culverts and berm breaks, including completion of preliminary, final, and corrected final design plans; completed hydraulic modeling of the system; prepared permit packages for state, federal, and local permit applications at the completion of final design plans; and completed construction technical specifications and engineer's probable construction cost opinion.

Monroe County, Harry Harris Park Vulnerability Analysis, Monroe County, Florida. Project Manager. Monroe County contracted WSP to complete a vulnerability assessment of Harry Harris Park, which is a popular place for locals to spend a day at the ocean. The beach, not open to the ocean, is a tidal pool safer for children. The basketball courts, kiddie playground, pavilions and BBQ grills are close to rest rooms and parking. Two softball fields host local teams. One of the most popular features in this park is its deep-water easy access boat ramp. This assessment proactively develops adaptation strategies to enhance the County's investment in an important State goal: the preservation and enhancement of working waterfronts in Florida.

Monroe County, Roads and Vulnerability Analysis and Capital Plan, Monroe County, Florida. Project Manager. Climate change, including extreme weather conditions and sea level rise has prompted planners and officials to focus on strategies that support a more resilient system. The roadway system is vital for its access/evacuation and mobilization within the Florida Keys. As part of the County's sustainability approach, this project will merge climate change science and modeling, with transportation engineering and planning to develop a long-term roads adaptation plan based on design criteria, Sea Level Rise (SLR) projections, adaptation methodology, policy/financing evaluation, and public/stakeholder outreach. The project will be divided into three phases: study and analysis, engineering design, and adaptation plan.

Christine "Crissy" Mehle, PE, CFM

Principal-in-Charge

Firm Name

WSP

Years of Experience

24 (10 with WSP)

Education

BS, Civil Engineering,
San Diego State
University

Professional Registrations

Professional Engineer,
FL, No. 68038

Certified Floodplain
Manager, No. US-07-
02810

Envision Sustainability
Professional No. 9316

Location

Tampa, Florida

Career Summary

Crissy has 24 years of experience in water resource engineering, including comprehensive watershed assessments and improvement planning with a focus on flood protection, habitat improvement, water quality improvements, and sustainability. She excels at program and stakeholder management on large multi-disciplinary projects. As the Florida Water Lead, she leads a team of 60+ water resource engineers and scientists committed to restoring our natural systems and built environments. As the principal-in-charge, she is committed to using WSP's resources to meet the County's needs on every project assignment.

Professional Experience

Comprehensive Emergency Management Plan Update, Southwest Florida Water Management District (SWFWMD), Florida

Project manager responsible for assisting the Southwest Florida Water Management District (District) with updating their Comprehensive Emergency Plan (CEMP). In accordance with Chapter 252, Florida Statutes, the District maintains various disaster preparedness plans, including the CEMP. The District's Governing Board adopted the Incident Command System (ICS). The CEMP institutes the ICS organization as its emergency command organization structure. During emergency response incidents, personnel and resources throughout district bureaus and sections are organized and assigned roles and responsibilities consistent with the ICS structure. As part of the update process, WSP reviewed the current CEMP and relevant data, met with District emergency operations staff, and updated the CEMP to meet current regulations and threats, including natural disasters and active shooters scenarios. WSP is currently working with district EOO staff to prepare a tabletop exercise with District staff to review the CEMP update and practice active scenarios.

Hillsborough County, Stormwater Engineering Services, Hillsborough County, Florida

Project manager. WSP is providing stormwater and public works engineering services for various capital improvement projects located throughout Hillsborough County. Projects are in various stages of completion from preliminary design and evaluation (PD&E) through design, permitting, and construction.

Pinellas County, Lake Tarpon and Brooker Creek WMPs, Pinellas County, Florida

Project manager for professional watershed management planning services for the Lake Tarpon and Brooker Creek watersheds in Pinellas County. Services include watershed evaluation and characterization, hydrologic and hydraulic modeling, pollutant load modeling, floodplain delineation, identification of flood and water quality issues, recommendations for improvements, conceptual plans, permit meetings, and cost estimates.

Southwest Florida Water Management District, Lake Wailes Recovery Options, Lake Wales, Florida

Project manager for evaluation of minimum water-level (MFL) recovery options for Lake Wailes in the City of Lake Wales, Florida. WSP developed a state-of-the-art integrated hydrologic model which simulated fully integrated surface, subsurface and near land surface hydrologic processes at Lake Wailes and its contributing area. The model was used to evaluate several recovery options to sustain higher water level in Lake Wailes and underlying aquifers, without causing harm to surrounding waterbodies and regional aquifer systems.

Allen Perez, PE

Quality Assurance/Quality Control

**Firm Name**

Perez Engineering & Development

Years of Experience
30**Education**

University of South Florida, Master of Science in Civil Engineering

University of South Florida, Bachelor of Science in Civil Engineering

Professional Registrations

Professional Engineer – Florida No. 51468

Location

Key West, Florida

Career Summary

Allen has more than 25 years of experience in roadway design, sanitary sewer systems, stormwater systems, potable water systems, and general civil engineering services. His experience includes the management and technical preparation of master plans, construction documents, permit submittals, and construction services for a wide variety of development activity. Allen has been providing professional engineering services, from his Key West office, for a variety of private and public sector clients throughout the Florida Keys for over 20 years.

The following is a summary of some of his current and past continuing services contracts:

City of Key West

- ✓ General Storm Water and Wastewater Engineer
- ✓ Professional Engineering Consulting Services

Monroe County

- ✓ General Airport Consultant
- ✓ Architectural/Engineering Services for Small Projects

Florida Keys Aqueduct Authority

- ✓ General Engineering Services

Monroe County Housing Authority

- ✓ General Engineering Services

Key West Housing Authority

- ✓ General Engineering Services

Monroe County School Board

- ✓ General Engineering Services

Florida Keys Community College

- ✓ General Engineering Services

Mr. Perez's engineering design experience is fairly diversified and includes hydraulic and hydrologic computer modeling of storm water management systems; the design of potable and sanitary utility systems, pump stations, paving and grading design.

Professional Experience

Key West High School Backyard	Stanley Switlik School	Bernstein Park
Tommy Roberts Memorial Stadium	Marathon High Athletic Complex	Stock Island Fire Station
Gerald Adams Elementary School	Horace O' Bryant School	Big Pine Key Fire Station
Plantation Key School	FKCC Marine Technology Building	Key Largo Fire Station
Monroe County Schools Transportation Facility	Monroe County Courthouse, Marathon	Higgs Beach Master Plan

Abby Gruner
 Deputy Project Manager/Construction Management

Firm Name
 WSP

Years of Experience
 4 (1 with WSP)

Education
 BS, Environmental
 Engineering, Florida Gulf
 Coast University

**Professional
 Memberships**
 Florida Water
 Environmental
 Association

Location
 Florida Keys, Florida

Career Summary
 Abby's professional experience includes various roles such as performing water quality sampling, overseeing construction projects, and assisting with environmental analysis reports. Before joining WSP in 2024, Abby worked at CDM Smith and Future Aviation, where she gained experience in wastewater treatment facility expansion, pretreatment limits updates, and advanced wastewater treatment upgrades.

Professional Experience

Monroe County, EPA Grant, Monroe County, FL
 Performed water quality sampling as a field technician. Assisted the planning and sampling of over 350 canals. Responsibilities included assisting with coordinating field teams, training staff to ensure sampling procedures are followed, and performing sampling efforts. Sampling efforts included recording various water quality parameters.

Monroe County, Canal 278 Well Installation, Big Pine Key, FL
 Oversaw construction of a gravity injection well as the Resident Project Representative and conducted sampling as field technician. The gravity well was one of the first of its kind Monroe County installed to help improve water quality in local canals. For the project, prepared weekly work summaries, oversaw drilling of approximately 118 feet, grouting of the well, and installation of the wellhead. WSP designed the well plans and worked closely with the Client to ensure installation of the well was completed. After installation, water quality samples were taken as a measure of the well performance.

Village of Islamorada Water Quality Sampling, Village of Islamorada
 Assisted with the planning and executing of sampling 62 canals throughout the Village of Islamorada. Sampling occurs every other month through 2026. Sampling efforts include coordinating with team members and performing sampling to FDEP and client standards.

Duck Key, EPA Grant, Monroe County, FL
 Assisted with benthic surveys for the Client. Surveys include analyzing and recording conditions around the breakwater surrounding majority of the island. In addition, assisted with plans depicting the breakwater conditions and the future for the breakwater.

Long Point EPA Grant, Brevard County, FL
 Assisted with writing the Environmental Analysis Report for the Client. The report included analyzing the current conditions of the park and future planning to preserve the park against sea level rise. The report included analyzing unique ideas to protect and strengthen the facility against flooding.

Ashok K. Aitharaju, EI, PMP

Site Assessments

Firm Name

WSP

Years of Experience

31 (28 with WSP)

Education

MS, Environmental Engineering, Lamar University

MBA, Marketing/ Business Development, Pune University

BS, Mechanical Engineering, Kakatiya University

Professional Registrations

Engineer Intern, FL, No. 1448309

Project Manager Professional Certification

Training

OSHA, 40-Hour HAZWOPER

OSHA, 8-Hour HAZWOPER Refresher

Location

Miami Lakes, Florida

Career Summary

Ashok has 30 years of experience in environmental engineering representing city, county, state, and private clients in contamination assessment, remediation, environmental permitting, drinking water systems testing, asbestos and lead-based paint surveys, and indoor air quality testing. He has performed Phase I and II environmental site assessments (ESAs), underground storage tank (UST) removals, remediation, and site closures involving hydrocarbon releases, solvent contamination, and other contamination generated from varying industrial processes. Ashok has performed remedial action monitoring and hydrogeologic assessments for petroleum-contaminated and non-petroleum sites. His consulting engineering experience includes project scope development, proposal preparation, planning, interpretation of field and laboratory data, project management, project health and safety, efficient resource and time management, client interaction, communications with regulatory agencies and report preparations.

Professional Experience

Miami-Dade County Public Housing and Community Development, Lead-Based Paint (LBP) Surveys, Risk Assessments and Indoor Air Quality Surveys, Miami, Florida

Project manager overseeing LBP surveys in general compliance with the June 1995 U.S. Department of Housing and Urban Development (HUD) guidelines and the HUD 1997/2012 revisions, issued by HUD as a guide for testing and result evaluation. An accredited U.S. Environmental Protection Agency (USEPA) and State of Florida risk assessor is performing the site inspections and surveys. WSP is using the Lead Paint Analyzer 1 (LPA-1) manufactured by the Radiation Monitoring Devices. The LPA-1 is a portable, in-situ test and measurement instrument that operates on the principal of X-ray fluorescence (XRF).

Miami-Dade Aviation Department (MDAD), Opinion of Cost, Miami, Florida

Project manager providing consulting services to document the costs spent on environmental projects at Miami International Airport (MIA) and to project the cost of moving forward with assessment and remediation at the airport. Initially, the project was focused on a consent agreement between MDAD and the local regulatory agency, Miami-Dade Department of Environmental Resources Management (DERM). There was also a consent agreement between MDAD and Florida Department of Environmental Protection (FDEP), and several sites were identified in the agreement. The project evolved from the initial scope, which projected cleanup levels of soil to "clean fill" and cleanup of groundwater to Florida Groundwater Cleanup Target Levels of the Florida Administrative Code.

MDAD, MIA PFAS Site Assessment, Miami, Florida

Project manager for this site assessment project, which includes responding to the MDAD and DERM request for a plan to sample areas in and around MIA that may be impacted by per- and polyfluoroalkyl substances (PFAS). Developed a list of PFAS compounds to be analyzed, areas to be sampled, inspection of existing wells and determination of additional wells to be sampled. Obtained soil, sediment, surface water and groundwater samples from areas of interest. Ensuring appropriate PFAS sampling protocols are followed. Prepared and submitted an assessment report with recommendations for additional sampling for delineation. Upon further evaluation of the data collected and based on recommendations from DERM, additional soil, surface water and groundwater evaluations were performed, and an addendum report with recommendations was submitted.

Joshua Ptomey

Site Assessments/Construction Management

Firm Name

WSP

Years of Experience

7 (7 with WSP)

Education

BA, Liberal Studies-Humanities and Social Sciences, Arizona State University

Training

Occupational Safety & Health Administration (OSHA) HAZWOPER 24-Hour

OSHA General Industry 30-Hour

24-Hour Environmental Specialist

Location

Florida Keys, Florida

Career Summary

Joshua is an experienced construction manager knowledgeable in Florida Keys codes and all associated laws and regulations. He has participated in managing, directing, coordinating, and administering all aspects of project management to include water quality sampling, construction oversight, environmental remediation, and permitting services. He was the field supervisor for the \$49-million U.S. Department of Agriculture (USDA)-Natural Resources Conservation Service (NRCS) Marine Debris Monitoring project, overseeing multiple monitors, and coordinating with the project manager to ensure successful completion of the project in accordance with the plans and specifications.

Professional Experience

Village of Islamorada, Selection of Canal Demonstration Canals for Water Quality Improvement, Village of Islamorada, Florida

Joshua serves as the construction manager. The technologies include weed barriers, organic removal, backfilling, culvert installation, pumping, and combinations of these technologies. The scope consists of preparing the design and permit packages for all the restorations, assistance with construction bidding, and engineering support services during construction.

Monroe County, Roads and Vulnerability Analysis and Capital Plan, Monroe County, Florida

Joshua serves as the construction manager. Climate change, including but not limited to extreme weather conditions and sea-level rise, has prompted planners and officials to focus on strategies that support a more resilient system. The County's and State's roadway system is vital for its access/evacuation and mobilization within the Florida Keys. As part of the County's proactive sustainability approach, this project will merge climate change science and modeling with transportation engineering and planning to develop a long-term roads adaptation plan based on design criteria, sea-level rise projections, adaptation methodology, policy/financing evaluation, and public/stakeholder outreach. The project will be divided into three phases: study and analysis, engineering design, and adaptation plan.

Monroe County, Hurricane Irma Marine Debris Monitoring and Related Services, Monroe County, Florida

Joshua served as the construction manager and provided daily and weekly reports for the County and USDA/NRCS noting work progress and efficiency, current/revised estimates, project completion, and other schedule forecasts/updates. WSP verified and maintained records regarding the contents and cubic yards of vehicles entering and leaving the Temporary Debris Management Areas (TDMAs) and is coordinating data recording and information management systems. The team detailed estimates and submitted to U.S. Department of Agriculture (USDA)-Natural Resources Conservation Service (NRCS) and County for use in reimbursement process. WSP implemented and maintained a disaster debris management system linking load ticket and TDMA information, including reconciliation and photographic documentation processes.

City of Marathon, Engineering Design and Permitting Services for Culverts and Berm Breaks at Canal #257, City of Marathon, Florida

Joshua served as the construction manager. This project consisted of preparing a design and permit package for culverts and berm breaks, including completion of preliminary, final, and corrected final design plans; completion of hydraulic modeling of the system; preparation of permit packages for state, federal, and local permit applications at the completion of final design plans; and completion of construction technical specifications and engineer's probable construction cost opinion.

Benjamin S. Essien, PE

Site Assessments

**Firm Name**

EBS Engineering

Years of Experience

40+

Education

BS, Mechanical
Engineering, University,
of Benin, 1980

Professional Registrations

Professional Engineer,
Florida No. 47176

Asbestos Consultant,
Florida No. EA0000079

Licensed Mold Assessor,
Florida No. MRSA115

Training

Occupational Safety &
Health Administration
(OSHA) HAZWOPER
24-Hour

OSHA General Industry
30-Hour

24-Hour Environmental
Specialist

Professional Memberships

Occupational Safety &
Health Administration
(OSHA) HAZWOPER
24-Hour

OSHA General Industry
30-Hour

24-Hour Environmental
Specialist

Location

Miami, Florida

Career Summary

Benjamin has over 40 years of experience of engineering design, project management, environmental consulting and construction. He has served as project manager and/or principal-in-charge for numerous projects including design, construction and inspection of major industrial and public facilities. He is also a licensed Florida asbestos consultant, certified lead-based paint risk assessor and radon measurement specialist with extensive experience in handling all asbestos, lead-based paint, radon and other indoor air quality testing/consulting issues and remediation.

He is an effective and perceptive program/project manager who has won acclaims for both services and professionalism to many clients. With extensive contract administration and quality assurance/quality control (QA/QC) experience, he has administered hundreds of projects including multi-site/task design, construction inspections, contamination assessments, hazardous materials cleanup, etc..

Professional Experience**Project Principal: Building 888/35, Miami International Airport, Miami, Florida**

EBS provided various demolition services included planning, contract administration, pre-demolition asbestos survey, preparation of plans for utilities relocation and site grading following demolition; specifications for removal of asbestos-containing materials and demolition of buildings, procurement assistance, project management, project/air monitoring, and supervision of abatement/demolition work, monitoring for compliance, checking on public complaints, preparing daily report, etc. (06/17 – 05/19).

Project Principal: Building 3030 - C Wing/D Wing Flooring, Miami

International Airport, Miami, Florida: EBS provided asbestos pre-renovation services included planning, contract administration, pre-renovation asbestos survey of the designated renovation areas, preparation report with recommendations for handling the ACMs, cost estimate, assistance with bidding, procurement assistance, project management, project/air monitoring, and supervision of abatement work, preparing daily report, final air clearance, and clearance report, etc. (12/23 – 05/24).

Project Principal: Jackson Memorial Hospital, 1611 NW 12 Avenue, Miami, FL

EBS is providing miscellaneous environmental services including pre-demolition or renovation asbestos survey, moisture survey/mold assessments, contamination assessments, and abatement services on as needed basis for various capital improvements. The major tasks conducting the survey – sampling all suspect asbestos-containing materials (ACMs) in the spaces, performing air sampling or monitoring the abatement /remediation work done by the contractors. Also checking for compliance, preparing daily report, etc.

Project Principal: Building 845 – 1st Floor Hallway at Mechanical Rooms, 5600 NW 36 Street, Miami, FL

EBS provided mold assessment and moisture survey within the first floor hallway of the building. The scope of services included on-site investigation, a visual observation of the hallway, measurement of temperature, relative humidity and moisture content in porous building materials. Bioaerosol mold air sampling and surface swab sampling to test for airborne and surface non-viable mold spores were also performed. Visible mold growth, algae and condensation was observed, and the analytical results for the air and swab samples collected indicated high mold spore counts. EBS prepared a report for the mold assessment/moisture survey documenting the findings and recommendations for the cleanup of the mold impacted areas in the hallway. EBS also supervised the cleanup and conducted post cleanup clearance sampling for compliance (08/23-10/23). design plans; and completion of construction technical specifications and engineer's probable construction cost opinion.

Gregory "Greg" O'Neal, PG

Site Reports and Recommendations

Firm Name

WSP

Years of Experience

22 (18 with WSP)

Education

BA, Liberal Studies-Humanities and Social Sciences, Arizona State University

Professional Registrations

Professional Geoscientist, LA No. 50

Professional Geologist, FL No. PG2400

Professional Geologist, TX No. 10079

Trainings

24-Hour MSHA Surface Miner (non-metal), 2008-current

OSHA 40-Hour Certified for Health and Safety for Hazardous Waste Site Activities, 2001-current

Florida Phosphate Producer's Contractor Safety and Health Program, 2001-current

Professional Memberships

Florida Association of Water Quality Control – Board of Directors

Society for Mining, Metallurgy, and Exploration

Geology Alumni Society – USF, Communications Chair (2014 to 2019), Secretary (2019 to Present)

American Institute of Professional Geologists, Florida Association of Water Quality Control

Location

Tampa, Florida

Career Summary

Greg is a licensed professional geologist at WSP in Tampa, Florida. He has 20 years of experience in field hydrogeology, soil and groundwater contamination assessment, and remediation design for a diverse set of clients in Florida, Texas, and Illinois. His project experience also includes Phase I and Phase II environmental site assessments, water well design, preparation and management of Spill Prevention Control and Countermeasure (SPCC) plans, and project management for civil engineering design-build projects. As part of the remediation of projects, Greg has rehabilitated chlorinated solvent and petroleum-impacted properties, as well as delineated and remediated seepage from phosphogypsum storage systems co-located with fertilizer manufacturing facilities.

Professional Experience

Closed Phosphogypsum Storage Area, Polk County, Florida

Greg was the Project Manager for evaluating geology and groundwater and associated reporting to USEPA under the RCRA.

Former Battery Processing Site, Hillsborough County, Florida

Greg was the Project Manager and Geologist responsible for revising and streamlining groundwater monitoring at a RCRA hazardous waste facility. Optimizations included reducing sampling frequency for select monitoring wells, reducing constituents analyzed, and combining compliance reporting.

Synthetic Gypsum Storage, Citrus County, Florida

Greg was the Project Manager and Geologist for designing a groundwater monitoring plan and ongoing monitoring for a synthetic gypsum storage and handling facility. The plan included a background evaluation that allows the facility elevated compliance criteria above what typically would be stipulated by the State.

Hines Energy Complex, Polk County, Florida

Greg was the Project Manager and Geologist for groundwater monitoring planning associated with alternative water supply project and associated power plant cooling pond. Optimizations include minimizing the number of groundwater monitoring wells required by planning and implementing a groundwater flow evaluation study and limiting constituent reporting requirements. construction cost opinion.

Central Pasco County Beneficial Water Reuse, Pasco County, Florida

Greg managed the implementation of a background groundwater evaluation performed prior to construction of a 5 MGD reclaim water reuse facility. The facility includes 15 constructed wetlands cells encompassing approximately 150 acres, through which reclaim water is treated and used to recharge the Floridan aquifer.

Brewster Lease, Polk County, Florida

This project consisted of collection of groundwater samples and generation of concentration isocontour maps for several constituents of concern. Greg provided data maps to client on a rapid-turnaround basis to assist client plan dewatering and recharge management strategy.

Hydrogeologic Impact Monitoring Plan of Study - Evaluation and Closure Recommendation, Hardee County, Florida

Greg evaluated over 15 years of hydrogeologic and groundwater chemistry data collected before, during, and after mining activities. He also developed a recommendation to discontinue groundwater monitoring at the mine.

Stephen J. Hanks, PE, LEED AP

Site Reports and Recommendations

Firm Name

WSP

Years of Experience

21 (19 with WSP)

Education

MS, Hydrologic Sciences, University of Florida

BS, Engineering, Land, and Water Engineering, University of Florida

Professional Registrations

Professional Engineer, FL No. 72253, USVI No. 1270-E

LEED Accredited Professional

Trainings

Certified Professional in Erosion and Sediment Control

Certified SCUBA Diver
HAZWOPER 40-Hour

Professional Memberships

American Water Resources Association (AWRA)

Association of Environmental Professionals

Location

Miami Lakes, Florida

Career Summary

As a senior engineer, Stephen is a valuable resource in a range of engineering services, including surface water modeling, water quality assessment, and wetland and stormwater permitting. He has a portfolio of water resources engineering services for water management districts, county municipalities, and parks departments. Stephen's responsibilities include design and analysis, technical writing, and field sampling.

Additionally, Stephen has extensive experience in a range of environmental services, including remediation, human health risk assessment, and fate and transport modeling. His petroleum site remediation services emphasize free product recovery, bio-enhancement applications, and natural attenuation modeling. Stephen's environmental services experience includes working for petroleum companies, insurance providers, and retail facilities.

Professional Experience

D.R. Horton, Southeast Florida Region, Environmental Permitting, Miami, Florida

Senior engineer responsible for the management of multiple development sites that involve the conversion of former agricultural land into residential and mixed-used developments. Achievements include reduction of sampling iterations and costs through statistical risk exposure models, and design of cost efficiencies including reuse of on-site fill to generate engineering control soil caps. Stability of groundwater often demonstrated using statistical methods. Restrictive covenants were typically recorded for most sites.

Monroe County, Canal Water Quality Restoration Program, Monroe County, Florida

Senior engineer/engineer of record for a comprehensive water quality improvement program that spans over 15 years. The program uses comprehensive monitoring data to evaluate over 500 residential canals in the Florida Keys. The evaluation includes a systemic ranking matrix that is used to select water quality restoration projects. Restoration technologies include flushing culverts, benthic backfill, seaweed air curtains, dredging, and infiltration wells. Approximately \$5 million of restoration work is completed annually.

Sugarloaf Marina, Chartis Insurance, Sugarloaf Key, Florida

Responsible for the evaluation of plume stability utilizing the Monitoring and Remediation Optimization System (MAROS) software. The plume stability analysis utilized three years of groundwater monitoring data from more than 22 monitoring locations and was utilized to demonstrate that the site qualified for conditional closure pursuant to Risk Management Option (RMO) Level III. The stability analysis was used in conjunction with a non-potable exposure scenario to demonstrate that no potential human health risk was present from exposure to particulates, vapors, and dewatering activities.

Gravity Flow Infiltration Well, Islamorada, Florida

Design engineer for the development of an innovative technology to improve the circulation within a canal system using a 120 feet deep infiltration well. The design used the differential between the tide levels in the canal and the subsurface to generate passive infiltration capacity. A wide data gathering effort was completed to develop the basis of design, but a bracketed range of performance was required due to the limited available data. Field observations indicate that the infiltration well is capable of providing a capacity of 2.2 MGD.

MIA Building 29, Miami Airport, Miami, Florida

Responsible for the development of a remedial action plan to address a large chlorinated solvent plume. The proposed remedial design consists of two extraction wells capable of yielding approximately 250 gpm each to provide hydraulic control and mass reduction for the dissolved plume. The remedial design was supported by a finite difference model to analytically determine the extent of the proposed capture zone.

Charles "Chip" Gardiner, PLS, CFEDS

Survey

Firm Name

WSP

Years of Experience

43 (37 with WSP)

Education

BS, Surveying and Mapping, University of Florida

Professional Registrations

Professional Land Surveyor, FL No. LS5046, NC No. L4598, SC No. 27735, MO No. 2011017289, LA No. 5077, OK No. LS1836, OH No. PS8614, IN No. LS21500006

Certified United States Department of the Interior Bureau of Land Management (BLM) Federal Surveyor, No. 1475

Trainings

Certified Professional in Terrestrial Laser Scanning

BLM Certified Federal Surveyor Training

Professional Memberships

American Congress of Surveying and Mapping (ACSM)

National Society of Professional Surveyors (NSPS)

Florida Surveying and Mapping Society (FSMS)

Florida global positioning system (GPS) Users Group

Location

Altamonte Springs, Florida

Career Summary

Chip has 42 years of experience in a wide range of surveying and mapping activities, including managing and executing projects for private and public sector clients. His extensive technical background accentuates his ability to manage personnel and projects effectively. He is the operations manager of WSP's Florida offices surveying and mapping department, where he manages personnel and resources, projects scheduling and tracking, and quality assurance within the department.

He has expertise in geodetic surveying (conventional and GPS), route/design surveying and mapping and boundary surveying. Chip has a background with an emphasis on new technologies, including global navigation satellite system (GNSS), geographic information system (GIS) and light detection and ranging (LiDAR) being used for surveying and engineering professions.

Professional Experience

Brevard County, East Micco Stormwater Master Plan, Brevard County, Florida

Principal surveyor responsible for surveying and mapping support for completion of a Phase I Environmental Site Assessment (ESA) of lot 3780 Allen Ave. and a surveyor sketch and description for six parcels along Main St., Canal Dr. and Riverview Dr. The information was used to assist the County with acquisition of these parcels which were deemed necessary for future drainage improvements. In addition, WSP prepared an ICPR4 model for the East Micco watershed with parameters including sub-basin delineation, curve numbers, time of concentration, and rainfall distribution/depths for the major stormwater conveyance systems characterized. WSP developed six project alternatives for five flood-prone areas ranging in estimated costs between \$218,000 and \$1,532,000.

FDEP, Statewide Continuing Surveying and Mapping Services Contract, Statewide, Florida

Project manager/surveyor since 1995 under five successive contracts. Includes land acquisition, land management and land restoration projects associated with the state's land acquisition programs, including Save our Rivers, Rails to Trails, Conservation and Recreational Lands, P-2000 and Florida Forever.

SWFWMD, Continuing Surveying and Mapping Services Contract, Statewide, Florida

Project manager/surveyor since 2013 under two successive contracts supporting the district's program of migrating hydrological monitoring stations from National Geodetic Vertical Datum of 1929 (NGVD29) to North American Vertical Datum of 1988 (NAVD88). Assignments have included geodetic control surveys, specific purpose surveys and calibrating existing hydrological monitoring stations.

Brightline Trains Florida LLC, Miami to Orlando Rail Corridor, Florida

Project surveyor responsible for the successful completion of surveying and mapping services over this 240-mile corridor. Task assignments have included establishing geodetic control, managing Terrestrial Mobile LiDAR data acquisition from Miami to Cocoa (210 miles) and aerial Mobile LiDAR data acquisition from Cocoa to Orlando International Airport, preparation of boundary and right-of-way control surveys, right-of-way maps and legal descriptions to support the acquisition from Cocoa to Orlando International Airport.

Beau Daigneault, GISP

Ecological/Permitting

Firm Name

WSP

Years of Experience

12 (3 with WSP)

Education

BS, Wildlife Biology,
Texas State University

Professional

Registrations

Geographic Information
Systems Professional

Location

Florida Keys, Florida

Career Summary

Beau is an environmental scientist and geographic information systems professional with 12 years of experience focused on environmental services. Before joining WSP, he worked at the Florida Department of Environmental Protection as an environmental specialist, focused on environmental resource permit processing for Monroe County, and using skills such as report writing, environmental permitting, environmental compliance, wetland delineation, and providing benthic surveys. Beau has also worked at the National Audubon Society as a Research Biologist for the Everglades Science Center, where he conducted wading bird monitoring in Florida Bay and the Everglades studying the health of the ecosystems.

Professional Experience

Monroe County and Village of Islamorada, Canal 315 Air Curtain and Restoration

Beau serves as an environmental scientist/project coordinator providing vegetation survey, benthic survey, wetland delineation, Florida Department of Environmental Protection compliance case resolution, permitting, reports, and geographic information systems services.

Homestead Air Reserve Base, Endangered Species, Homestead, Florida

Beau serves as an environmental scientist providing vegetation survey for this project.

Monroe County, Canal 295 Restoration, Monroe County, Florida

Beau serves as an environmental scientist for this project providing permitting and geographic information systems services.

Village of Islamorada, Canal 147 Restoration, Islamorada, Florida

Beau serves as an environmental scientist providing permitting, benthic survey, and geographic information systems services.

Monroe County, Canal 278 Restoration, Monroe County, Florida

Beau serves as an environmental scientist providing vegetation survey, compliance resolution, a restoration plan/proposal, and providing geographic information systems services.

Village of Islamorada, Lower Matecumbe Canals Restoration Culvert, Islamorada, Florida

Beau serves as an environmental scientist for this project, providing permitting, wetland delineation, a mitigation proposal, restoration plan, and providing geographic information systems services.

Monroe County, Engineering Design and Permitting for Stillwright Point Road Elevation and Stormwater Design and Permitting, Monroe County, Florida

As an environmental scientist for this project, Beau is providing vegetation survey, wetland delineation and permitting, writing the mitigation proposal and reports, and providing geographic information systems services.

Harry Harris Park Improvements, Monroe County, Florida

As an environmental scientist for this project, Beau is providing vegetation survey, benthic survey, wetland delineation and permitting, writing reports, and providing geographic information systems services.

Kyralai Duppel

Modeling

Firm Name

WSP

Years of Experience

3 (3 with WSP)

Education

BS, Society and Environment, Minors in GIS and Sustainable Design, University of California, Berkeley

Professional Registrations

PADI Advanced Diver
PADI Rescue Diver

Location

San Francisco, California

Career Summary

Kyralai is a motivated environmental professional with an interdisciplinary background covering marine science, environmental justice, sustainability, and geospatial technologies. She has previously worked in nonprofits, startups, consulting, and as an academic researcher. At WSP, Kyralai supports climate resiliency, coastal modeling, GIS and permitting. Kyralai is a skilled geospatial scientist and conducts analysis and figure design in ArcGIS Pro. She also has coastal environmental modeling skills using Delft 3D FM.

Professional Experience

San Luis Rey Watershed Desktop Data Collection, California

In preparation for the Statement of Work Plan-EIS for San Luis Rey River Watershed NRCS Region 10-California aimed to mitigate flooding in the middle San Luis Rey River watershed, Kyralai prepared the biological resource section of the desktop data review. The review consisted of federal and state database reviews to take inventory of all biological resources and habitats recorded in the area of interest. She also led a site visit to survey biological resources and watershed characteristics. Kyralai created a field map to document findings from the site through ArcGIS online.

Bouquet Canyon Creek Restoration, California

The NRCS submitted a grant application to the USDA to obtain funding for the restoration of Bouquet Canyon Creek. WSP was hired by NRCS to review the grant application to ensure it complies with NEPA and NRCS requirements. Kyralai reviewed the grant application and detailed how it aligned with NEPA with regards to biological resources and habitat. She provided recommendations to inform future submittals to better address impacts under NEPA and federal regulations. WSP additionally created a PIFR in preparation for the creek restoration and associated EIS. Kyralai prepared the GIS figures required for the PIFR.

Public-Private Partnership (PPP) Road Expansion, Jamaica

The International Finance Corporation (IFC) is funding a PPP project to expand ~60km of the two-lane North Coast Highway to a four-lane road. Kyralai supported the analysis of environmental and social impacts resulting from the project on the local community and environment. She created an organizational system for the project files between the IFC, WSP, and the local subcontractor and facilitated information sharing between the three entities. Kyralai drafted the inception report to detail the progress on the environmental and social impacts study of the project as well as the environmental and social scoping study. She also drafted the Environmental and Social Scoping Study. Additionally, Kyralai reviewed landcover satellite imagery to verify habitat types along the Project ROW.

San Diego Storm Drain Replacements, San Diego County, California

The County of San Diego is replacing multiple storm drains. Kyralai provided GIS support through ArcGIS Field Maps for biological surveys and wetland delineations for each replacement. She created figures of data gathered in the field using data uploaded to ArcGIS online by field biologists.

Hydrostor, California

An a 520MW underground compressed air energy storage center is being constructed in Kern County. Kyralai wrote AFC chapters discussing the Project's impacts on land use, socioeconomics, and wildfire. She also created GIS figures to show the characteristics of the community and landscape surrounding the Project Site. Kyralai carried out biological and visual resource field surveys consisting of walking transects and taking photos of the site. Kyralai responded to CEC data requests for additional GIS figures as well as information regarding land use, socioeconomics, and wildfire.

AI Soud, PhD, PE, BCEE, PMP, CFM

Modeling

Firm Name

WSP

Years of Experience

25 (20 with WSP)

Education

PhD, Environmental and Resource Engineering, State University of New York

MS, Environmental and Resource Engineering, State University of New York

BS, Civil Engineering, Aleppo University

Professional Registrations

Board-Certified Environmental Engineer (BCEE), No. 20-20013

Professional Engineer, NC No. 049855, SC No. 40330, GA No. 046424, NJ No. 24GE05915800, TX No. 150288

Certified Floodplain Manager (CFM), No. NC-06-0218

Certified Project Management Professional (PMP), No. 3694830

Professional Memberships

American Academy of Environmental Engineers & Scientists (AAEES)

Association of State Floodplain Managers (ASFPM)

Geoprofessional Business Association (GBA)

Location

Durham, North Carolina

Career Summary

AI is a board-certified professional engineer with expertise in surface water modeling, coastal and riverine flooding, combined probability analysis, watershed studies, Federal Emergency Management Agency risk maps products, dam breach analyses and software tool developments and automations. He specializes in risk probability and their applications on flood control designs, measures and preventions. AI supervises and manages federal, state, municipal and private projects. He provides technical direction for initial planning, detailed process designs, training, productions, quality assurance/quality control, client support and technical documents preparations..

Professional Experience

Snug Harbor, Pinellas County, Florida

AI provided review of the new Federal Emergency Management Agency (FEMA) conditional letter of map revision which proposed building a retaining wall along the shoreline, changing FEMA flood zoning, and revising the LiMWA line in the community. His tasks involved checking the report, coastal structure design and coastal modeling simulations.

Brightline Trains Florida, Loxahatchee River, Palm Beach County, Florida

AI served as technical modeler as part of a comprehensive study to obtain environmental resources permit from the South Florida Water Management District. His responsibilities included detailed flood hazard assessments of the riverine/coastal flood zones at the railroad bridge crossing Loxahatchee River due to replacing the substructure with new pilings and piers. Additionally, tropical storm surges were analyzed, initial conditions and wave overland heights based on the most recent data. Coastal flood simulations were also performed to compare the pre- and post-project flood elevations.

FEMA, States of Missouri, Kansas and Multi-Counties Digital Flood Insurance Rate Map, Statewide, Missouri and Kansas

AI serves as the technical reviewer performing quality assurance/quality control measures on two-dimensional riverine models using the latest RAS 2D for the States of Kansas and Missouri.

FEMA Digital Flood Insurance Rate Map, Statewide, Alabama, Florida, Indiana, Kansas, Kentucky, Missouri and Nebraska

AI serves as the senior engineer conducting and performing quality assurance/quality control measures on one dimensional riverine hydrological and hydraulic Federal Emergency Management Agency flood studies for the States of Alabama, Florida, Indiana, Kansas, Kentucky, Missouri and Nebraska.

FEMA New Countywide Coastal Maps and Risk Products, FEMA Region 2, Middlesex, New Jersey and Westchester County, New York

AI is conducting the new FEMA flood and risk maps products for two counties in FEMA Region 2. His responsibilities include detailed survey collection, field reconnaissance, surge and geographic information system base maps, engineering modeling and simulations, runoff and overtopping calculations, coastal mapping and LiMWA delineations and risk products.

CSX Transportation, Ashley River, Coastal Analysis Near Milepost (MP) A393.7 Bridge Crossing, Drayton Hall, Charleston County, South Carolina

AI studied the impact of replacing an existing CSXT bridge located at MP A 393.7 crossing Ashley River. The bridge is inside coastal/riverine flood zones. The proposed new bridge was to be at the same location but with a new design. Coastal modeling and assessments were performed to evaluate the impact of the new bridge on the effective flood elevations and coastal mapping.

Leah Torres, PE

Design

Firm Name

WSP

Years of Experience

15 (7 with WSP)

Education

BS, Civil Engineering,
University of Connecticut

Professional Registrations

Professional Engineer,
FL No. 86641

Location

Jacksonville, Florida

Career Summary

Leah has more than 10 years of experience in civil engineering, primarily working on coastal and marine projects for municipal, residential, commercial and industrial clients. She has contributed to the success of many marine/waterfront projects by coordinating with regulatory agencies to secure local, state and federal permits; developing and implementing soil investigation programs; providing geotechnical analysis and foundation design assistance in the analysis/design project phases; and providing construction support (RE services) during the project execution phase.

At WSP, Leah has worked directly under a senior dredging expert and environmental engineer on successful projects throughout Florida. She has also worked closely with environmental professionals on resiliency planning projects. In addition to Florida, her waterfront/marine engineering experience includes work in Connecticut, New Jersey, New York, Massachusetts, Rhode Island, Maine, Texas and Trinidad and Tobago.

Professional Experience

Monroe County, Harry Harris Park Vulnerability/Adaptation Analysis, Tavernier, Florida

Staff engineer for a park resiliency project including assessment of existing coastal park structures' resiliency to storms and sea level rise. Leah contributed to writing a final report of professional recommendations for the repair and improvement of coastal structures including a public boat ramp, jetty, fixed pier and sandy beach.

Manatee County, Coquina South Boat Dock Replacement Design and Procurement Assistance, Anna Maria Island, Florida

Staff engineer responsible for assisting in the design of a replacement public pier, boat ramp and sheet-pile seawall at Coquina Beach, Florida. Leah worked with senior structural and geotechnical engineers to develop a design that fit the needs of the client, while also conforming to modern building and design codes.

Rehabilitation Project, North Port, Florida

Served as staff engineer on the enhancement of Warm Mineral Springs Run and Salt Creek. WSP proposed dredging and bank improvements to facilitate the seasonal migration of Florida manatees up and down the creek. Leah worked with WSP scientists to create a dredge template and coordinated with regulatory agencies to develop a plan to complete the project while considering the ecological and cultural sensitivity of the dredge area.

City of Jacksonville, McCoys Creek Restoration Project, Jacksonville, Florida

Staff engineer for McCoys Creek restoration project which involves a multi-disciplinary approach to creating an ecologically enhanced, safe public space while also improving flood conditions of surrounding areas. Leah completed regulatory tasks and drafted specifications for this multi-faceted, phased project.

East Central Channels Proposed Dredging Project, Brevard County, Florida

Staff engineer who contributed to obtaining regulatory permits from both the U.S. Army Corps of Engineers (USACE) and Florida Department of Environmental Protection (FDEP) for muck dredging of public channels and inland canals in Brevard County. Permitting efforts involved data collection including a natural resources survey, hydrographic survey, vibracore sampling and geotechnical analysis of samples. Leah served as project engineer and main point of contact for regulatory coordination. Permits were secured successfully, with plans for dredge program implementation.

Kaiming Sun, P.Eng.

Design

Firm Name

WSP

Years of Experience

3 (3 with WSP)

Education

Bachelor of Engineering,
Engineering Mechanics,
Xi'an Jiaotong
University, Xi'an, China

Professional Registrations

Professional Engineer
(P.Eng.), British
Columbia No. 35202

Professional Memberships

Engineers and
Geoscientists British
Columbia (EGBC), since
2010

Location

Vancouver, British
Columbia

Career Summary

Kaiming has over 30 years of national and international experience in research and consulting engineering projects. His project experience includes a wide range of engineering analysis and design in port layout planning, wave/structure interaction analysis including motion analysis and mooring/anchoring design for vessels and offshore structures, breakwater and shoreline riprap protection design, marina planning and design, marine facility inspection, Arctic ice engineering and finite element analysis for marine, offshore and onshore structures. Project involvement includes feasibility, pre-FEED, FEED and detailed design.

Professional Experience

Concert Property Ltd. Foreshore Protection Design, North Vancouver, BC

Project Engineer. Scope includes marine shoreline habitat and park enhancement, improved flood protection related to sea level rise, and integration of the shoreline within the upland development and park area.

TransLink, Flood Wall Design for Marpole Transit Centre, Vancouver

Project Engineer. Responsible for design of the new steel sheet pile wall and anchor system and specs against Fraser River flooding and seismic loads.

VFPA, Roberts Bank Shoreline Rehabilitation, BC

Project Engineer. Performed a desktop coastal study, established the design criteria, and completed a riprap protection design against shoreline scour/damage due to frequently high-water level events and storms.

LNG Canada, Riprap Design for Minette Bay South Saltmarsh Habitat. BC

Project EOR. Responsible for the riprap design and quantity estimate of the south marsh benches in Kitimat, BC.

Pembina, Wind Study on Ship Loading/Unloading Equipment at Vancouver Wharves, BC

Project Engineer. Conducted a series of FEA analyses to establish operating wind speed thresholds for ship loaders at the 4 berths.

Level II Marine Structure Condition Assessments, BC Ferry Services, various locations, BC

Project Engineer. Providing guidelines and recommendations for design environmental conditions, design load calculation on structures, and structure design verifications.

Outstation Repair Engineering, Royal Vancouver Yacht Club, various locations, BC

Project Engineer. Scope includes coastal study for establishing the design metocean conditions, design loads on the floats and vessels, mooring and anchor system design, inspection and construction monitoring for the Cortes Island, Alexandra Island and Wigwam outstations.

A-Jetty Structural Seismic Analysis Study, Esquimalt, BC

Project Engineer. Conducted a series of finite element analyses including seismic response spectra, pushover and time history analyses for the proposed A-Jetty and Extension structures in accordance with the NBCC 2020 and S6-19. Various structure design alternatives were assessed and optimized against the increased design seismic loadings for both the A-Jetty and Extension structures.

WLNG, Design Review & Evaluation of Floatel & Passenger Float & Breakwater, BC

Project Engineer. Reviewed/checked the mooring / anchoring system design and analysis of the floatel, passenger float and floating breakwater used in Woodfibre LNG project.

Thomas "Jake" Close, PE

Design

Firm Name

WSP

Years of Experience

6 (6 with WSP)

Education

BS, Agricultural and Biological Engineering, University of Florida

Professional Registrations

Professional Engineer, FL No. 98060

Remote Pilot Certification, No. 4323905

Trainings

FDEP Stormwater Inspector

An Introduction to Hazardous Materials (IS-5.A)

Professional Memberships

American Society of Agricultural and Biological Engineers (ASABE)

Location

Lakeland, Florida

Career Summary

Jake is a technical professional working as part of the civil engineering group. He is looking to hone his knowledge pertaining to civil engineering, particularly as it relates to land and water resources, the environment, and infrastructure. Jake combines his knowledge of engineering and instrumentation to facilitate projects in stormwater management.

Jake's expertise includes stormwater facility inspections, outfall inspections, National Pollutant Discharge Elimination System (NPDES) database management, instrumentation and monitoring, AutoCAD, and ArcGIS.

Professional Experience

South Florida Water Management District, Streamgauging Support, South Florida

Assistant consultant performed streamgauging using Acoustic Doppler Current Profiler (ADCP). Processing data with Mathematica scripts and reporting findings for ratings analysis of various control structures throughout the district.

Brightline, State Permit Support, South Florida

: Assistant consultant designed exfiltration trench to accommodate drainage in lieu of swales due to safety concerns, while simultaneously bringing the older system up to modern permit compliance standards.

South Florida Water Management District, Water Quality Monitoring, South Florida

Assistant consultant performed routine water quality sampling in accordance with SOPs. This was in various locations in South Florida, including St. Lucie, West Palm, and Clewiston.

Manatee County, Water Taxi Dock Modifications, Bradenton, Florida

Assistant consultant prepared CAD plans and provided permit application support. This project proposed modifications to existing dock to provide ADA compliant access to a water taxi.

Lake County, Pasture Reserve Habitat Restoration, Tavares, Florida

Assistant consultant prepared cost estimates and bid specification support. Project consisted of construction of low water crossings and improved access roads areas within the reserve.

Monroe County, Breakwater Restoration, Ley Largo, Florida

Technical professional drafted plans for Rock Harbor and Tavernier breakwater restoration, physical weed barrier, and air curtain. Provided cost estimates, reviewed RFPs, and compiled environmental assessments.

Florida Department of Transportation District 7, Districtwide NPDES Contract, Various Locations, Florida

Technical professional performed NPDES consulting services, including stormwater facility inspections, NPDES database entry and management, county-wide outfall inventory and inspections, annual report preparation, and stormwater permit compliance.

Monroe County, Canals #28 and #28 Backfill Restoration, Key Largo, Florida

Technical professional curated CAD plans associated with backfilling of a canal to improve water quality in the area.

Monroe County, Canal #291 Backfill Restoration, Big Pine Key

Technical professional drafted CAD plans associated with backfilling of a canal to improve water quality in the area.



EXPERIENCE, QUALIFICATIONS, AND REFERENCES



Experience, Qualifications, and References

EXPERIENCE, QUALIFICATIONS, AND REFERENCES

Contracts like this one require a highly qualified and diverse team that has the capacity to respond quickly to large and small tasks, a strong commitment to quality, cost control and schedule maintenance, and clear team coordination and communication plans.

WSP's multidisciplinary environmental experts are passionate about delivering practical strategies to study, protect, enhance and restore the natural environment while advancing responsible development and facilitating project approvals. Our reputation is built on helping our clients mitigate risk, manage and reduce impacts, and maximize opportunities related to health and safety, sustainability, energy and the environment.

WSP has worked on numerous continuing environmental engineering services contracts for municipalities, counties, and other agencies throughout Florida over the past 30 years. We work across multiple market sectors, from the infrastructure projects of the future, managing past legacies, to developing and delivering sustainability strategies for the entities across the state. Our work covers the full range of services and is built on state-of-the-art science, management consulting, and engineering.

Below is a list of some of the related services WSP provides to clients across Florida and the U.S. On the following pages are descriptions of five reference projects highlighting our recent and relevant experience.

- ✓ **Ecology and Natural Resources** - Minimize impacts on the environment and protect natural resources and ecosystems during development projects.
- ✓ **Environmental Impact Assessment and Planning** - Specialize in the process of gaining approvals, permitting, licensing, and planning support.
- ✓ **Industrial Hygiene/Hazardous Materials** - Mitigate risk and provide solutions to manage asbestos and hazardous materials within properties or assets.

- ✓ **Coastal Engineering** - Provide coastal planning, design, permitting and implementation services incorporating resiliency and sustainability into the projects. WSP has coastal modelers, engineers, and scientist that understand the need to incorporate green and grey infrastructure for protecting the resources with the City of Key West.
- ✓ **Acoustics, Vibration, and Air Quality** - Address the noise, vibration, air quality, energy and greenhouse gas impacts of projects.
- ✓ **Site Assessment and Restoration** - Manage legacy issues by mitigating the risks posed by historical contamination and land use and protect current assets through monitoring, management, and updates.
- ✓ **Environmental Management and Compliance** - Address environmental, health and safety compliance requirements impacting business operations and transactions.
- ✓ **Stormwater Management** - Provide hydrology, stormwater, and water quality from strategy development through implementation.
- ✓ **Geotechnical and Materials** - Identify and limit the adverse impacts that soil, rock, groundwater and contaminants in the subsurface can have on facilities and operations.
- ✓ **Heritage and Cultural Resources** - Help make informed decisions for the future of historically significant buildings and cultural heritage landscapes.
- ✓ **Waste Management** - Technical, social, and economic waste management solutions from project initiation through post-closure operations and maintenance.



Annual Rankings

ENR2024

- No. 1 Environmental Science
- No. 2 Environmental Management
- No. 6 Wastewater Treatment
- No. 8 Water Treatment / Supply

Top 200

**ENVIRONMENTAL
FIRMS**

wsp





Manatee County General Coastal and Environmental Services Contract

Manatee County, Florida

WSP was selected by Manatee County to provide environmental assessments and marine engineering that includes the following services:

- Planning, designing, environmental permitting, bidding and construction administration services
- Submitting applications for permits or exemption determinations for dredging of navigation channels and other waterway improvement projects
- Providing design services for waterfront facilities, marine systems and infrastructure including docks, boardwalks, boat ramps, seawalls, mooring systems and aids to navigation
- Providing services related to public assistance grants, current rules and regulations of local, state and federal agencies that regulate the environment and all marine, land use and building code provisions such as the National Environmental Policy Act (NEPA)
- Working with FDEP, SFWMD, EPA, applicable Florida Statutes, Manatee County Municipal Regulations, and South Florida building codes
- Creating GIS databases and maps, stratigraphy-collection and analysis, and development of mitigation plans
- Reviewing and analyzing of permits/exemptions issued by federal and state permitting agencies
- Providing resource inventories, water quality and pollution control, remedial investigations, toxicity reduction evaluations and management
- Providing disposal and reuse of dredge materials

Firm/Responsibility:

WSP

Client/Owner:

Manatee County (FL)

Client Contact:

Sherri Swanson
Ecological & Marine
Resources Division
Manager
(941) 290.8029
sherri.swanson@
mymanatee.org

Project Cost:

\$1,000,000

Project Dates:

2019 to present

Key Elements:

- Environmental/marine engineering services
- Permitting and regulations compliance
- Data management and analysis
- Water quality and resource management



Monroe County Coastal and Environmental Services Contract

Monroe County, Florida

Under the Coastal and Environmental Services Contract, WSP has performed several contracts.

Monroe County Canal Restoration Program

WSP is working closely with Monroe County and the Canal Restoration Advisory Subcommittee of the Florida Keys National Marine Sanctuary Water Quality Protection Program to implement a canal restoration demonstration program consisting of implementation of various residential canal water quality improvements. The technologies implemented include weed barriers, organic removal, backfilling, culvert installation, pumping, and combinations of these technologies. The scope consists of preparation of the design and permit packages for all the restorations, assistance with bidding the construction, and engineering support services during construction. WSP is obtaining all required permits, including a SFWMD ERP, a USACE individual permit, and a Florida National Marine Sanctuary permit.

Monroe County Resiliency Program

WSP is working with the County's project team on the Monroe County Roads Vulnerability Analysis and Capital Plan project that will map the current roadway elevations, comparing the existing road elevations with the existing mean high-water elevations, proximity to ocean, existing flooding conditions based on maintenance record, FEMA boundary maps, and history of King Tide flooding events. Historical water levels, high frequency 6-minute water level observations and harmonic constituents and meteorological observations were used. WSP has determined the evolving tidal rate to establish a baseline for projected sea level changes, and future tidal and king tides amplitudes and peak times. The SLR projections will be conducted for all County roadways.

Analysis will include a summary of the evaluation, justification, and recommendation of the

Firm/Responsibility:

WSP

Client/Owner:

Monroe County (FL)

Client Contact:

Rhonda Haag
Director Sustainability and Projects
(305) 453-8774
Haag-Rhonda@monroecounty-fl.gov

Project Cost:

\$5,000,000

Project Dates:

2019 to present

Key Elements:

- Environmental/marine engineering services
- Permitting and regulations compliance
- Data management and analysis
- Water quality and resource management

Monroe County Coastal and Environmental Services (continued)

Monroe County, Florida

Sea Level Rise estimates for 2025, 2030, 2035, 2040, 2045, 2060, and 2100.

Roadway Vulnerability Assessment and Capital Plan

WSP is working with the County's project team on the Monroe County Roads Vulnerability Analysis and Capital Plan project that will map the current roadway elevations, comparing the existing road elevations with the existing mean high-water elevations, proximity to ocean, existing flooding conditions based on maintenance record, FEMA boundary maps, and history of King Tide flooding events. Historical water levels, high frequency six-minute water level observations and harmonic constituents and meteorological observations were used. WSP has determined the evolving tidal rate to establish a baseline for projected sea level changes, and future tidal and king tides amplitudes and peak times. The sea level rise projections will be conducted for all County roadways. Analysis will include a summary of the evaluation, justification, and recommendation of the Sea Level Rise estimates for 2025, 2030, 2035, 2040, 2045, 2060, and 2100.

The team will conduct numerical modeling using MIKE21 for a range of seasonal and extreme storm conditions, for current and future storms, and to help forecast increased

vulnerability over time and account for sea level rise and seasonal water values, storm surge, wind waves, and astronomical tides associated with Saffir-Simpson storm categories.

A vulnerability study of the County roads to tidal and surge flooding conditions will be used to prioritize the County's roadways at risk for adverse impacts due to climate change. There are three principal effects to consider: increase in groundwater elevation, sea level rise inundation, and storm surge inundation. WSP will develop flood mitigation concepts for the 300 roadway segments recommended as a result from the Prioritization of Roadway Segments. Concepts may include phasing of future adaptation and opportunities to implement green infrastructure and green road solutions. The roadway segments requiring adaptation improvements to be implemented between 2025-2035 will have a more detailed concept development and plans in comparison to the roadway segments requiring adaptation improvement plans beyond 2035.

The study also includes the analysis of economic impact, community values, and cost benefit to the County for the maximum return on investment.





Village of Islamorada Canal Restoration Program

Islamorada, Florida

Over the decades, canal systems were developed in Monroe County, Florida, including 64 canals in Islamorada, to meet the growing demand for waterfront living. Despite progress in transitioning to centralized sewer systems and improved wastewater treatment, many canals still fail to meet Florida DEP water quality standards. To address these challenges, Monroe County completed a Canal Management Master Plan (CMMP) in 2013, which prioritized canal restoration strategies. In 2019 the Canal Restoration Work Program was implemented which aimed to improve water quality, restore ecological health, and provide insights for future projects.

WSP is working closely with the Village of Islamorada and the Canal Restoration Advisory Subcommittee of the Florida Keys National Marine Sanctuary Water Quality Protection Program to implement a canal restoration demonstration program that includes implementation of various residential canal water quality improvements, ensure monitoring and assessment of canal conditions before and after restoration efforts. The scope consists of preparation of the design and permit packages for all the restorations, assistance with bidding the construction, and engineering support services during construction. As part of the design scope, WSP is completing all required environmental surveys, bathymetric and topographic surveys, sediment characterization, geotechnical evaluations, and hydraulic modeling.

WSP is also coordinating all homeowner approvals for staging areas and equipment installation.

Firm/Responsibility:

WSP

Client/Owner:

Villa of Islamorada (FL)

Client Contact:

Peter Frezza
Environmental Resources
Manager
(305) 664-6427
peter.frezza@islamorada.
fl.us

Project Cost:

\$1,000,000

Project Dates:

2014 to present

Key Elements:

- Water quality improvement
- Remediation and restoration
- Surveying



D.R. Horton Due Diligence Southeast, Florida

D.R. Horton is one of the largest residential property developers in the country and, as a major Real Estate Investment Trust (REIT), routinely relies upon professional due diligence services. WSP has provided D.R. Horton these due-diligence services for nearly a decade. In the Southeast Florida, WSP has provided Phase I and Phase II services for over 95 properties ranging from several acres to over 100 acres. These due diligence services are commonly performed under tight time constraints, as large portfolios comprised of multiple sites. The project management skills of WSP have come to be relied upon by D.R. Horton as an integral extension of their own internal property development and management practices.

In addition to being a contributor to the development of the ASTM standards that are the benchmark of Phase I assessments, WSP continues to innovate and streamline the process with customized deliverables that incorporate Phase II and other necessary information to aid in the evaluation of real estate transactions. Relying on a single designated point of contact, information influencing the decision making process is provided as it becomes available, often expediting the implementation of additional assessment activities. Subsequent activities such as invasive testing are then incorporated into a single report.

In concert with Phase I Environmental Site Assessments performed in support of typical due-diligence efforts, WSP routinely performs additional activities such as subsurface testing, regulatory compliance evaluations, wetlands determinations, waste characterization and disposal, underground storage tank assessment and closure, building condition surveys, and infrastructure evaluations. WSP has developed several innovative site evaluation approaches to support site closure, including statistical background analysis, discretized vertical delineation techniques for groundwater, and the implementation of a variety of engineering controls such as soil caps and pond liners.

Over the past two decades WSP has developed a broad understanding of the due diligence process having provided these services to developers, REITS, lending institutions, underwriters, and government agencies.

Firm/Responsibility:

WSP

Client/Owner:

D.R. Horton

Client Contact:

Pete Verbanac
Environmental Coordinator
(954) 949-3071
PSVerbanac@drhorton.com

Project Cost:

\$5,000,000+

Project Dates:

May 2009 to Ongoing

Key Elements:

- Phase I Environmental Site Assessment
- Subsurface Environmental Assessment
- Wetlands Delineation
- UST Assessment and Closure
- Waste Characterization
- Building Condition Surveys
- Regulatory Liaison



Truman Waterfront Park and Amphitheater, Key West

Key West, Florida

Truman Waterfront Park and Amphitheater is a multi-use, recreational park situated on the western tip of the island. The initial stage of the park construction was mostly for the infrastructure to serve approximately 20 acres of the park. The work consisted of roads, parking lots, new sanitary sewer system, new potable water system, and a stormwater management system. Other improvements include playgrounds, a water feature, restroom building, promenade along the Quay, landscaping, irrigation, lighting, park furniture, etc.

Perez's services also included permitting through the South Florida Water Management District and the Florida Department of Environmental Protection.

This project shows Perez's ability to work efficiently with City staff and the local community to provide the following services: evaluations, schematic design, design development, preparation of scope of work, specifications, contract documents for bidding, bid reviews, cost estimates, and regulatory permitting/approval.

Firm/Responsibility:

Perez Engineering & Development

Client/Owner:

City of Key West

Client Contact:

Keith Bring
Project Manager
Engineering Department
(305) 809-3866
Keith.Bring@cityofkeywest-fl.gov

Project Cost:

\$27,000,000

Project Dates:

2016 to 2018

Key Elements:

- Infrastructure development
- Facility enhancements
- Regulatory compliance
- Project management



APPROACH AND METHODOLOGY



APPROACH AND METHODOLOGY

Project Management Approach

WSP's project management approach for this contract will be multi-disciplined and, therefore, will require multiple technical staff and subconsultants throughout South Florida to support the City's initiatives. Our objective is to efficiently plan, track and manage the execution of the scope to maintain coordination, integration, quality and timely performance of all work for design, procurement and construction. WSP has adopted the Project Management Institutes (PMI) general approaches to project and program management. Through experience and lessons learned, WSP has been able to hone and adapt our processes to best suit our clients' type of work and tailor delivery methods to the complexity and requirements of the project.

As project manager, Greg Corning, PE, is the point of contact for the City of Key West and is responsible for WSP's performance on this contract. He will pull together the appropriate technical and number of staff to meet the expectations of the City's goals for any project awarded under this contract. Upon contract award (task order or notice-to-proceed), an internal kickoff meeting will be held to clarify scope, establish quality standards, outline responsibilities, schedule activities, and distribute assignments and subcontracts to the participating parties. The project manager will communicate expected deliverables; standard of quality; and corresponding budget and schedule for each effort. Before project execution, we also develop appropriate planning documents, to provide further guidance and to assure that the assigned staff works as a team.

Quality Control

At WSP, quality work does not just happen. It begins with planning and is supported by internal quality programs designed to make sure appropriate levels of leadership, customer care, and technical competency are brought to every project. No matter if the project is small or large, WSP has a comprehensive and proven Quality Management Program (QMP) to make certain quality management and execution of all programs and projects. Quality is always part of the project deliverable.

QA/QC Methods

We recognize that consistently providing quality services and products in a timely manner is the only way to achieve consistent, exceptional client satisfaction. WSP's quality program can be summarized in three words: performance, monitoring, and documentation. WSP's QMP process is a comprehensive tool that establishes protocols and procedures for activities at WSP, including the following key components:

- ✓ Budget and Schedule Tracking
- ✓ Project Documentation
- ✓ Document Development and Review
- ✓ Communication Protocol
- ✓ Invoicing
- ✓ Plan Preparation Standards

WSP believes in and embraces the value of formal QA/QC measures and has developed a QA/QC manual specific for use in our projects. The project team will follow a rigorous protocol that requires QA/QC reviews at critical steps throughout the project process. Generally, QA/QC steps are interlaced within each project step. QA activities include a planned system of review procedures conducted by personnel not directly involved in the project to produce and evaluate data in accordance with predefined quality objectives.

A properly implemented QA/QC program is critical to meeting project budgets and schedules. As shown in our organizational charts, we have assigned Allen Perez, PE, to serve as our QA/QC manager to guide the entire process. The responsibility of the QA/QC manager will be to make sure that the QA/QC plan is implemented at all levels of the project.

Cost Control

WSP considers negotiated schedules and budgets to be firm commitments. Cost control is accomplished through careful project planning, measuring performance against the plan, evaluating corrective actions as needed, and communicating this information to the project team and client in a timely manner. This formula for cost control has been proven to be very effective for cost allocation and control on more than 1,000 fixed-price task assignments managed under ongoing contracts conducted each year. WSP uses the Horizon software for direct electronic access and interaction with the company's main office accounting files. Through routine monitoring of the Horizon software and schedule reports, any deviations from the original plan can be detected in the early stages, allowing corrective actions to be implemented as soon as possible. By following our tried-and-true cost control formula, we are confident that budgets for all projects tasked under this contract will be managed successfully.

Schedule Control

As with cost control, WSP accomplishes schedule control through careful project planning, measuring performance against the plan, evaluating corrective actions as needed, and communicating this information to the project team and the City in a timely manner. As part of developing the project scope described above, a great deal of attention is focused on the project schedule.

Through careful planning, every subtask of the project is evaluated on a resource and scheduling basis. A project schedule is formulated based on the City's needs and resource requirements. Alternative resources are identified during the planning stage. Every effort is made to anticipate problem areas during this planning process, allowing contingency plans to be developed whenever necessary. Internal resource needs are also assessed at the project outset, and ample staff and equipment are assigned well in advance. Our scheduling and cost control system allows for the successful execution of work ranging from single-phased projects up to multiple-site, multiple task, and multiple-year programs.

We typically use software such as Microsoft Project to assist in managing the task assignments in complex projects. When unpredictable and unavoidable events occur that may require schedule changes, WSP makes the necessary adjustments to bring the project back on schedule as quickly as possible, while keeping our client informed. Our scheduling and cost control system allows for the successful execution of work ranging from single-phased projects up to multiple-site, multiple-task, multiple-year programs.

Communication and Reporting

A project's success is built on clear-cut, direct communication. WSP promotes both formal and informal communication channels to make sure issues are identified, addressed, and resolved as expediently and as effectively as possible. At project initiation, we will define a set schedule for regular project calls with the City's project manager. We use the call as an opportunity to summarize progress made during the previous period, work to be accomplished, real or anticipated issues and recommended solutions, and any issue potentially affecting cost. Internally, our discipline leaders will regularly communicate with the

project management team to maintain awareness of the technical progress of the work, progress in relation to schedule and budget, and to identify any issues of concern. WSP has effective electronic platforms for web hosting for workshops, as appropriate.

Health and Safety

WSP is committed to the health and safety of its employees and strives to continually improve our health and safety record. The core values and commitments of our occupational health and safety program are outlined in our health and safety document (available upon request). Our Corporate Health and Safety Program is constantly being reviewed and updated as part of our Corporate Quality Program. WSP has developed the following health and safety processes:

- ✓ Job safety assessments – to assess and inform personnel of potential issues at a site
- ✓ Tailgate safety review – to review site issues with personnel
- ✓ Site safety protocols specifying the use of personal protective equipment
- ✓ Generic health and safety plans for field monitoring (customized for each specific site)
- ✓ Project safety review sheets
- ✓ Call-in procedures for remote project locations and/or working alone
- ✓ Ground disturbance authority to work – to review underground utilities and minimize the risk of utility strikes





SWORN STATEMENTS AND AFFIDAVITS



SWORN STATEMENTS AND AFFIDAVITS

WSP's completed forms are provided after this page.

- ✓ Anti-kickback Affidavit
- ✓ Non-Collusion Affidavit
- ✓ Sworn Statement Pursuant to Section 287.133(3)(A), on Public Entity Crimes
- ✓ Equal Benefits for Domestic Partners Affidavit
- ✓ Cone of Silence Affidavit
- ✓ Affidavit Attesting to Noncoercive Conduct for Labor or Services
- ✓ Vendor Certification Regarding Scrutinized Companies Lists
- ✓ Indemnification Form
- ✓ Local Vendor Certification
- ✓ E-Verify Affidavit

The following items are also included in this section.

- ✓ Regional Delegation of Authority for Christine "Crissy" Mehle, PE, CFM, ENV SP
- ✓ Florida Corporate Certificate of Status
- ✓ Relevant professional licenses for our key team members



ANTI-KICKBACK AFFIDAVIT

STATE OF Florida)

: SS

COUNTY OF Miami-Dade)

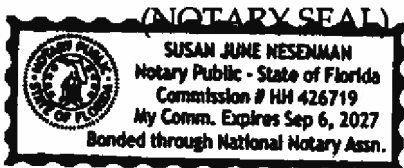
I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward, or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: Christine Mehle

Christine Mehle, PE, CFM, ENV SP

Sworn to (or affirmed) and subscribed before me by means of [☒] physical presence or [☐] online notarization, this day of, 2025, by Christine mehle.

Susan J. Nesenman
(Signature of Notary Public- State of Florida)



SUSAN J. Nesenman
(Name of Notary Typed, Printed, or Stamped)

Personally Known ☒ OR Produced Identification _____

Type of Identification Produced _____

NON-COLLUSION AFFIDAVIT

STATE OF Florida

: SS

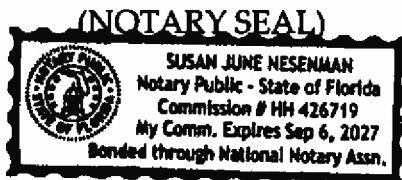
COUNTY OF Miami-Dade

I, the undersigned hereby declares that the only persons or parties interested in this Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the City, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this contract.

BY:  Christine Mehle, PE, CFM, ENV SP

Sworn to (or affirmed) and subscribed before me by means of [☒] physical presence or [☐] online notarization, this day of, 20 25, by Christine Mehle.


(Signature of Notary Public- State of Florida)



Susan J. Neesenman
(Name of Notary Typed, Printed, or Stamped)

Personally Known ☒ OR Produced Identification _____

Type of Identification Produced _____

**SWORN STATEMENT UNDER SECTION 287.133(3)(A)
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES**

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

1. This sworn statement is submitted with Bid or Proposal for Environmental Engineering Services

2. This sworn statement is submitted by: WSP USA Inc.
(Name of entity submitting sworn statement)

whose business address is:

550 Northlake Blvd. Suite 1000; Altamonte Springs, FL 32701

and (if applicable) its Federal Employer Identification Number (FEIN) is: 11-1531569

(If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement)

3. My name is Christine Mehle, PE, CFM, ENV SP
(Please print name of individual signing)

and my relationship to the entity named above is: Vice President, Florida Water Lead

4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any bid or contract for goods or services to be provided to any public or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.

5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

1. A predecessor or successor of a person convicted of a public entity crime; or

2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
8. Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement (indicate which statement applies).

 X Neither the entity submitting this sworn statement, or any of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, nor any affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

 The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989.

 The entity submitting this sworn statement, or one or more of its officers, directors, executives, partners, shareholders, employees, members, or agents who are active in the management of the entity, or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. However, there has been a subsequent proceeding before a Hearing Officer of the State of Florida, Division of Administrative Hearings and the Final Order entered by the Hearing Officer determined that it was not in the public interest to place the entity submitting this sworn statement on the convicted vendor list (attach a copy of the final order).

I UNDERSTAND THAT THE SUBMISSION OF THIS FORM TO THE CONTRACTING OFFICER FOR THE PUBLIC ENTITY IDENTIFIED IN PARAGRAPH ONE (1) ABOVE IS FOR THAT PUBLIC ENTITY ONLY AND, THAT THIS FORM IS VALID THROUGH DECEMBER OF THE CALENDAR YEAR IN WHICH IT IS FILED. I ALSO UNDERSTAND THAT I AM REQUIRED TO INFORM THE PUBLIC ENTITY PRIOR TO ENTERING INTO A CONTRACT IN EXCESS OF THE THRESHOLD AMOUNT PROVIDED IN SECTION 287.017, FLORIDA STATUTES, FOR THE CATEGORY TWO OF ANY CHANGE IN THE INFORMATION CONTAINED IN THIS FORM.

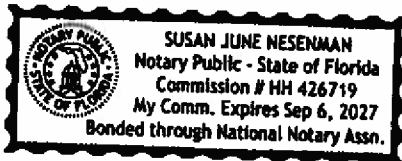
(Signature) _____

(Date) _____

STATE OF _____

COUNTY OF _____

Sworn to (or affirmed) and subscribed before me by means of [☒] physical presence or [☐] online notarization, this day of, 20 25, by Christine Mehle.



(Signature of Notary Public- State of Florida)

(NOTARY SEAL)

(Name of Notary Typed, Printed, or Stamped)

Personally Known ☒ OR Produced Identification _____

Type of Identification Produced _____

EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF Florida

: SS

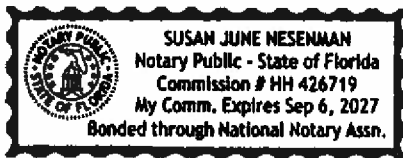
COUNTY OF Miami-Dade

I, the undersigned hereby duly sworn, depose and say that the firm of WSP USA Inc. provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses, per City of Key West Code of Ordinances Sec. 2-799.

By: Christine Mehle

Christine Mehle, PE, CFM, ENV SP

Sworn to (or affirmed) and subscribed before me by means of [☒] physical presence or [☐] online notarization, this day of, 2025, by Christine Mehle.



Susan J. Nesenman
(Signature of Notary Public- State of Florida)

(NOTARY SEAL)

Susan J. Nesenman
(Name of Notary Typed, Printed, or Stamped)

Personally Known ☒ OR Produced Identification _____

Type of Identification Produced _____

**AFFIDAVIT ATTESTING TO NONCOERCIVE CONDUCT
FOR LABOR OR SERVICES**

Entity/Vendor Name: WSP USA Inc.
Vendor FEIN: 11-1531569
Vendor's Authorized Representative: Christine Mehle, PE, CFM, ENV SP
Address: 550 Northlake Blvd. Suite 1000
City: Altamonte Springs State: FL Zip: 32701
Phone Number: 470-991-3771
Email Address: christine.mehle@wsp.com

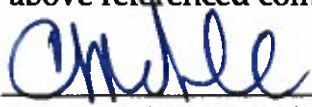
As a nongovernmental entity executing, renewing, or extending a contract with a government entity, Vendor is required to provide an affidavit under penalty of perjury attesting that Vendor does not use coercion for labor or services in accordance with Section 787.06, Florida Statutes.

As defined in Section 787.06(2)(a), coercion means:

- (1) Using or threatening to use physical force against any person;
- (2) Restraining, isolating, or confining or threatening to restrain, isolate, or confine any person without lawful authority and against her or his will;
- (3) Using lending or other credit methods to establish a debt by any person when labor or services are pledged as a security for the debt, if the value of the labor or services as reasonably assessed is not applied toward the liquidation of the debt, the length and nature of the labor or service are not respectively limited and defined;
- (4) Destroying, concealing, removing, confiscating, withholding, or possessing any actual or purported passport, visa, or other immigration document, or any other actual or purported government identification document, of any person;
- (5) Causing or threatening to cause financial harm to any person;
- (6) Enticing or luring any person by fraud or deceit; or
- (7) Providing a controlled substance as outlined in Schedule I or Schedule II of Section 893.03 to any person for the purpose of exploitation of that person.

As a person authorized to sign on behalf of Vendor, I certify under penalties of perjury that Vendor does not use coercion for labor or services in accordance with Section 787.06. Additionally, Vendor has reviewed Section 787.06, Florida Statutes, and agrees to abide by same.

Certified By: Christine Mehle, PE, CFM, ENV SP, who is authorized to sign on behalf of the above referenced company.

Authorized Signature: 
Print Name: Christine Mehle, PE, CFM, ENV SP
Title: Vice President, Florida Water Lead

CONE OF SILENCE AFFIDAVIT

Pursuant to City of Key West Code of Ordinances Section 2-773 (attached below)

STATE OF Florida

: SS

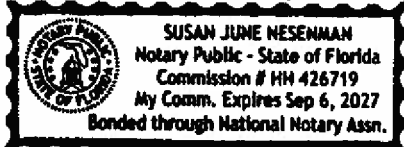
COUNTY OF Miami-Dade

I, the undersigned hereby duly sworn, depose and say that all owner(s), partners, officers, directors, employees, and agents representing the firm of WSP USA Inc. have read and understand the limitations and procedures regarding communications concerning City of Key West Code of Ordinances Sec. 2-773 Cone of Silence (attached).

By: Christine Mehle

Christine Mehle, PE, CFM, ENV SP

Sworn to (or affirmed) and subscribed before me by means of ☒ physical presence or ☐ online notarization, this day of, 2025, by Christine Mehle



Susan J. Nesenman
(Signature of Notary Public- State of Florida)

(NOTARY SEAL)

Susan J. Nesenman
(Name of Notary Typed, Printed, or Stamped)

Personally Known ☒ OR Produced Identification _____

Type of Identification Produced _____

Sec. 2-773. Cone of Silence.

- Definitions. For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:

(1) Competitive solicitation means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.

(2) Cone of silence means a period of time during which there is a prohibition on communication regarding a particular competitive solicitation.

(3) Evaluation or selection committee means a group of persons appointed or designated by the city to evaluate, rank, select, or make a recommendation regarding a vendor or the vendor's response to the competitive solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.

(4) Vendor means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the city to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a competitive solicitation for compensation or other consideration.

(5) Vendor's representative means an owner, individual, employee, partner, officer, or member of the board of directors of a vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub-consultant who acts at the behest of a vendor in communicating regarding a competitive solicitation.

b. Prohibited communications. A cone of silence shall be in effect during the course of a competitive solicitation and prohibit:

(1) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the city's administrative staff including, but not limited to, the city manager and his or her staff;

(2) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and the mayor, city commissioners, or their respective staff;

(3) Any communication regarding a particular competitive solicitation between a potential vendor or vendor's representative and any member of a city evaluation and/or selection committee; therefore, and

(4) Any communication regarding a particular competitive solicitation between the mayor, city commissioners, or their respective staff, and a member of a city evaluation and/or selection committee, therefore.

c. Permitted communications. Notwithstanding the foregoing, nothing contained herein shall prohibit:

(1) Communication between members of the public who are not vendors or a vendor's representative and any city employee, official or member of the city commission;

(2) Communications in writing at any time with any city employee, official or member of the city

commission, unless specifically prohibited by the applicable competitive solicitation. (A) However, any written communication must be filed with the city clerk. Any city employee, official or member of the city commission receiving or making any written communication must immediately file it with the city clerk.

(B) The city clerk shall include all written communication as part of the agenda item when publishing information related to a particular competitive solicitation;

(3) Oral communications at duly noticed pre-bid conferences;

(4) Oral presentations before publicly noticed evaluation and/or selection committees;

(5) Contract discussions during any duly noticed public meeting;

(6) Public presentations made to the city commission or advisory body thereof during any duly noticed public meeting;

(7) Contract negotiations with city staff following the award of a competitive solicitation by the city commission; or

(8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances;

d. Procedure.

(1) The cone of silence shall be imposed upon each competitive solicitation at the time of public notice of such solicitation as provided by section 2-826 of this Code. Public notice of the cone of silence shall be included in the notice of the competitive solicitation. The city manager shall issue a written notice of the release of each competitive solicitation to the affected departments, with a copy thereof to each commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.

(2) The cone of silence shall terminate at the time the city commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the competitive solicitation or takes other action which ends the competitive solicitation.

(3) Any city employee, official or member of the city commission that is approached concerning a competitive solicitation while the cone of silence is in effect shall notify such individual of the prohibitions contained in this section. While the cone of silence is in effect, any city employee, official or member of the city commission who is the recipient of any oral communication by a potential vendor or vendor's representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

e. Violations/penalties and procedures.

(1) A sworn complaint alleging a violation of this ordinance may be filed with the city attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.

(2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the competitive solicitation void at the discretion of the city commission.

(3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.

(4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.

(5) If a vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2- 834 that the vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new competitive solicitation. The city's purchasing agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a vendor of this section. (Ord. No. 13-11, § 1, 6-18-2013)

[REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

**VENDOR CERTIFICATION REGARDING
SCRUTINIZED COMPANIES LISTS**

Proposer Vendor Name: WSP USA Inc.

Vendor FEIN: 11-1531569

Vendor's Authorized Representative Name and Title: Christine Mehle, PE, CFM, ENV SP; Vice President, Florida Water Lead

Address: 550 Northlake Blvd. Suite 1000

City: Altamonte Springs State: FL Zip: 32701

Phone Number: (470) 991-3771

Email Address: christine.mehle@wsp.com

Section 287.135(2)(a), Florida Statutes, prohibits a company from bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services of any amount if, at the time of contracting or renewal, the company is on the Scrutinized Companies that Boycott Israel List, created pursuant to section 215.4725, Florida Statutes, or is engaged in a boycott of Israel. Section 287.135(2)(b), Florida Statutes, further prohibits a company from bidding on, submitting a proposal for, or entering into or renewing a contract for goods or services over one million dollars (\$1,000,000) if, at the time of contracting or renewal, the company is on either the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, both created pursuant to section 215.473, Florida Statutes, or the company is engaged in business operations in Cuba or Syria.

As the person authorized to sign on behalf of Proposer, I hereby certify that the company identified above in the section entitled "Proposer Vendor Name" is not listed on either the Scrutinized Companies that Boycott Israel List, Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List I understand that pursuant to section 287.135, Florida Statutes, the submission of a false certification may subject such company to civil penalties, attorney's fees, and/or costs and termination of the contract at the option of the awarding governmental entity.

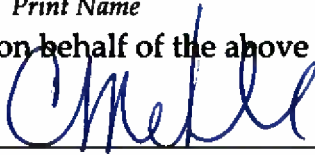
Certified By: Christine Mehle, PE, CFM, ENV SP Vice President, Florida Water Lead

Print Name

Print Title

who is authorized to sign on behalf of the above referenced company.

Authorized Signature: _____



CITY OF KEY WEST INDEMNIFICATION FORM

Proposer agrees to protect, defend, indemnify, save and hold harmless The City of Key West, all its Departments, Agencies, Boards, Commissions, officers, City's Consultant, agents, servants and employees, including volunteers, from and against any and all claims, debts, demands, expense and liability arising out of injury or death to any person or the damage, loss of destruction of any property which may occur or in any way grow out of any act or omission of the Proposer, its agents, servants, and employees, or any and all costs, expense and/or attorney fees incurred by the City as a result of any claim, demands, and/or causes of action except of those claims, demands, and/or causes of action arising out of the negligence of The City of Key West, all its Departments, Agencies, Boards, Commissions, officers, agents, servants and employees. The Proposer agrees to investigate, handle, respond to, provide defense for and defend any such claims, demand, or suit at its sole expense and agrees to bear all other costs and expenses related thereto, even if it (claims, etc.) is groundless, false or fraudulent. The City of Key West does not waive any of its sovereign immunity rights, including but not limited to, those expressed in Section 768.28, Florida Statutes. Proposer understands and agrees that any and all liabilities regarding the use of any subcontractor or subconsultant for services related to this agreement shall be borne solely by the Proposer. Ten dollars of the consideration paid by the City is acknowledged by Proposer as separate, good and sufficient consideration for this indemnification. This indemnification shall be interpreted to comply with Section 725.06 and 725.08, Florida Statutes.

These indemnifications shall survive the term of this agreement. In the event that any action or proceeding is brought against the City of Key West by reason of such claim or demand, Proposer shall, upon written notice from the City of Key West, resist and defend such action or proceeding by counsel satisfactory to the City of Key West.

The indemnification provided above shall obligate Proposer to defend at its own expense to and through appellate, supplemental or bankruptcy proceeding, or to provide for such defense, at the City of Key West's option, any and all claims of liability and all suits and actions of every name and description covered above which may be brought against the City of Key West whether performed by Proposer, or persons employed or utilized by Proposer.

The Proposer's obligation under this provision shall not be limited in any way by the agreed upon Contract Price as shown in this agreement, or the Proposer's limit of or lack of sufficient insurance protection.

[REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK]

COMPANY SEAL

PROPOSER: WSP USA Inc.

Address 550 Northlake Blvd. Suite 1000

Altamonte Springs, FL 32701

Signature

Christine Mehle

Christine Mehle, PE, CFM, ENV SP
Print Name

Date

4/1/25

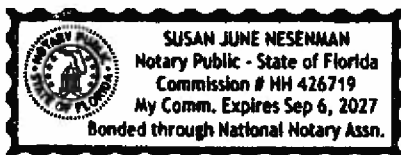
Vice President, Florida Water Lead
Title

NOTARY FOR THE PROPOSER

STATE OF Florida

COUNTY OF Miami-Dade

The foregoing instrument was acknowledged before me by means [☒] physical presence or [☐] online notarization, this day of, 2025, by Christine Mehle.



Susan J. Nesenman
(Signature of Notary Public- State of Florida)

(NOTARY SEAL)

Susan J. Nesenman
(Name of Notary Typed, Printed, or Stamped)

Personally Known ☒ OR Produced Identification _____

Type of Identification Produced _____

LOCAL VENDOR CERTIFICATION

PURSUANT TO CITY OF KEY WEST CODE OF ORDINANCES SECTION 2-798

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a. Principle address as registered with the FL Department of State located within 30 miles of the boundaries of the city, listed with the chief licensing official as having a business tax receipt with its principle address within 30 miles of the boundaries of the city for at least one year immediately prior to the issuance of the solicitation.
- b. Maintains a workforce of at least 50 percent of its employees from the city or within 30 miles of its boundaries.
- c. Having paid all current license taxes and any other fees due the city at least 24 hours prior to the publication of the call for bids or request for proposals.

Not a local vendor pursuant to Code of Ordinances Section 2-798

Qualifies as a local vendor pursuant to Code of Ordinances Section 2-798

If you qualify, please complete the following in support of the self-certification & submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name N/A

Phone:

Current Local Address:

Fax:

(P.O Box numbers may not be used to establish status)

Length of time at this address

Chelle

4/1/25

Signature of Authorized Representative

Date

STATE OF Florida
COUNTY OF miami - Dade

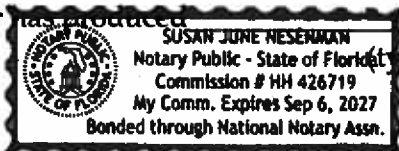
The foregoing instrument was acknowledged before me this 1st day of April, 2025.

By Christine Mehle, of WSP USA

(Name of officer or agent, title of officer or agent)

Name of corporation acknowledging)

or has produced as identification



Type of identification)

Susan J. Neseeman
Signature of Notary

Print, Type or Stamp Name of Notary

Return Completed form with
Supporting documents to:
City of Key West Purchasing

notary

Title or Rank

THE CITY OF KEY WEST E-VERIFY AFFIDAVIT

Beginning January 1, 2021, Florida law requires all contractors doing business with The City of Key West to register with and use the E-Verify System in order to verify the work authorization status of all newly hired employees. The City of Key West requires all vendors who are awarded contracts with the City to verify employee eligibility using the E-Verify System. As before, vendors are also required to maintain all I-9 Forms of their employees for the duration of the contract term. To enroll in the E-Verify System, vendors should visit the E-Verify Website located at www.e-verify.gov.

In accordance with Florida Statute § 448.095, it is the responsibility of the Awarded Vendor to ensure compliance with all applicable E-Verify requirements.

By executing this affidavit, the undersigned contractor verifies its compliance with Florida Statute § 448.095, stating affirmatively that the individual, firm, or corporation which is engaged in the performance of services on behalf of the City of Key West, has registered with, is authorized to use, and uses the U.S. Department of Homeland Security's E-Verify system.

Furthermore, the undersigned contractor agrees that it will continue to use E-Verify throughout the contract period, and should it employ or contract with any subcontractor(s) in connection with the performance of services pursuant to this Agreement with The City of Key West, contractor will secure from such subcontractor(s) similar verification of compliance with Florida Statute § 448.095, by requiring the subcontractor(s) to provide an affidavit attesting that the subcontractor does not employ, or subcontract with, an unauthorized alien. Contractor further agrees to maintain records of such compliance during the duration of the Agreement and provide a copy of each such verification to The City of Key West within five (5) business days of receipt.

Failure to comply with this provision is a material breach of the Agreement and shall result in immediate termination of the Agreement without penalty to the City of Key West. Contractor shall be liable for all costs incurred by the City of Key West to secure replacement Agreement, including but not limited to, any increased costs for the same services, and costs due to delay, and rebidding costs, if applicable.

4/1/25
Date

Christine Mehle
Christine Mehle, PE, CFM, ENV SP
(Signature of Authorized Representative)

State of Florida
County of Miami-Dade

Personally Appeared Before Me, the undersigned authority, Christine Mehle who, ☒ being personally know or ☐ having produced his/her signature in the space provided above on this 1st day of April, 2025.

Jessy J. Nesbitt
Signature, Notary Public

Sep. 6, 2027
Commission Expires

Stamp/Seal:



ADDENDUM NO. 1
Environmental Engineering Services
RFQ 25-002

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. **Clarification of Specifications:** [No Changes]
2. **Changes to Submission Requirements:** [No Changes]
3. **Updates to Project Timeline:** [No Changes]
4. **Responses to Questions:**
 - 1) **Project Prioritization** – Are there specific environmental or coastal engineering projects the City is prioritizing under this contract? *There no specific projects currently identified to prioritize.*
 - 2) **Consultant Selection Process** – Will the City be selecting multiple firms based on different service areas, or is the intent to award a single contract for all services? *Is this not in the RFQ? The City intends to award multiple agreements, depending on the proposals received and qualifications of those firms.*
 - 3) **Existing Conditions & Challenges** – Are there known contaminated sites, infrastructure concerns, or ongoing projects that will carry over into this contract? Are there currently any companies you've worked with in the past that are local? Are we able to see past proposal submittals? *There are a number of contaminated sites on City property that require reporting and/or monitoring. There are other ongoing activities as well, such as beach renourishment and coastal infrastructure evaluation and repair. They can look at previous proposals if they want, it is all public information. Instead of actually uploading it, perhaps you can simply give them the previous RFQ number, so they can look at the files themselves? I'm actually not entirely sure if the proposals get uploaded now that I think about it.*
 - 4) **Coastal Facilities Scope** – For services like seawalls, marinas, and beach renourishment, does the City anticipate more rehabilitation work, new construction, or a mix of both? *Both but primarily rehabilitation and repair of existing facilities and infrastructure.*
 - 5) **Proposal Expectations** – Are there specific evaluation criteria or key factors the City is looking for in responses beyond the general qualifications listed? *I don't*

understand this question. To answer it would be to add criteria that the ranking committee isn't being told to evaluate, right?

5. Additional Resources: [No Changes]


Signature

WSP USA Inc.
Name of Business



ADDENDUM NO. 2
Environmental Engineering Services
RFQ 25-002

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. **Clarification of Specifications:** [No Changes]
2. **Changes to Submission Requirements:** [No Changes]
3. **Updates to Project Timeline:** [No Changes]
4. **Responses to Questions:**
 - 1) Can a firm prime and sub? **Yes, a Firm can submit as a prime on one bid and a sub on another.**
 - 2) Can you provide the list of work orders performed and to which firms from the previous cycle of this contract? **Currently, that City does not have an active list of work orders that can be provided for reference.**
5. **Additional Resources:** [No Changes]



Signature

WSP USA Inc.

Name of Business



ADDENDUM NO. 3
Environmental Engineering Services
RFQ 25-002

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. Clarification of Specifications: [No Changes]

2. Changes to Submission Requirements: [No Changes]

3. Updates to Project Timeline: [No Changes]

4. Responses to Questions:

- 1)** In light of growing environmental awareness and the increased reliance on digital submissions, would the City consider accepting only electronic submissions to reduce environmental impact?

At this current moment the City of Key West would like all submissions made paper-based, our current bid opening process is better suited to handle this format.

- 2)** The RFQ includes an Hourly Price Proposal Form in the attachments and references it in the evaluation criteria; however, it is not specified in the submittal instructions. Could you please clarify whether the price proposal is required to be submitted with the qualification package or upon award? If it is to be submitted with the qualification package, where should it be placed within the submission and is it included in the 20-page limit?

The fee schedule does not count towards the 20-page limit and can be included at the end of the proposal with any other necessary attachments.

- 3)** The RFQ requests project/reference information in both Section C and Section E of proposers' responses. Given the 20-page limit for qualification

packages, is it the intent of the City to require duplicate submission of project/reference information in both sections, or is there an opportunity to consolidate this information?

One section may reference the response from another when appropriate.

5. Additional Resources: [No Changes]



Signature

WSP USA Inc.

Name of Business



ADDENDUM NO. 4
Environmental Engineering Services
RFQ 25-002

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. **Clarification of Specifications:** [No Changes]
2. **Changes to Submission Requirements:** [No Changes]
3. **Updates to Project Timeline:** [No Changes]
4. **Responses to Questions:**
 1. On page 16 in the table under "Evaluation Categories" Phase I & II, the RFQ lists that an hourly price proposal is part of the evaluation criteria. Please clarify if this was inadvertently placed in this table and a price proposal with hourly rates are not part of the Qualifications Package?

This was an error. There is no need to include an hourly price proposal for this bid. Please note that the weighted evaluation criteria points assigned have been moved to evaluation criteria #4 for a total of 15 points:

Category		Points
Specialized experience and technical competence of the firm in the listed disciplines.	40	
Professional qualifications of staff personnel/capacity of assigned and identified staff to accomplish work.	20	
References and Past Performance	20	
Ability to perform the services expeditiously at the	15	

request of the City. Location and availability of technical support people and assigned project manager to the City.		
Hourly Price Proposal	5	
Other certifications	5	
Total Points		100

2. Can we include section dividers? If yes, will it be excluded from the page count?

Dividers will not counts towards 20-page count.

3. If we include a table of contents right after the cover page, will it be excluded from the page count?

TOC will be excluded from the 20-page count.


4. On page 13 under licensing. States that copies of the Proposer's license(s) and/or certification(s) which are applicable to this solicitation shall be submitted as part of their Qualification Package. Would you like licensing/certifications added after Section G. Sworn Statements and Affidavits as Appendix? Will it be excluded from the page count?

Yes, the City would like licensing/certification added after Section G and sworn statements and affidavits provided in the appendix. These will be excluded form the 20-page count.

5. Section C. Firm Background, it asks for Proposers' experience with similar work, for local governments during the past 5 years. Do you want project experience in this section and also Section E. Experience, Qualifications, and References?

It isn't necessary to double-up, this could just be a text summary description that references the experience list in Section E.

5. Additional Resources: [No Changes]


Signature

WSP USA Inc.
Name of Business



ADDENDUM NO. 5
Environmental Engineering Services
RFQ 25-002

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. **Clarification of Specifications:** [No Changes]
2. **Changes to Submission Requirements:** [No Changes]
3. **Updates to Project Timeline:** [No Changes]
4. **Responses to Questions:**
 1. **Affidavits and Certifications** - Are the 10 forms in this section required only to be completed by the prime consultant, or are they also required to be submitted by all subcontractors?

The prime consultant.
 2. **Resumes** – Please confirm whether resumes are required for all subcontractor staff, or whether they are only required for the prime consultant staff?

Resumes are not required of sub-contractors.
 3. **Item E. Experience, Qualifications, and References** – If the Proposer's team includes subcontractors, are project examples from the subcontractor firm(s) suitable to meet the requirement for the 5+ example projects?

While the City would like a majority of examples to come from the prime, the City will allow some examples to come from subcontractors. It must be clearly identified who was the prime during those projects.
5. **Additional Resources:** [No Changes]

A handwritten signature in blue ink, appearing to read "C. Miller", is written over a horizontal line.

Signature

WSP USA Inc.

Name of Business




ADDENDUM NO. 6
Environmental Engineering Services
RFQ 25-002

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. **Clarification of Specifications:** [No Changes]
2. **Changes to Submission Requirements:** [No Changes]
3. **Updates to Project Timeline:** [No Changes]
4. **Responses to Questions:**
 - 1) There were two questions submitted regarding the Hourly Price Proposal. One response indicates the hourly price proposal was included in the RFQ in an error and respondents should not submit it. The other response says the hourly price proposal can be placed at the end of the qualifications package. Please clarify if the hourly price proposal is required.

Although the hourly price sheet is not required to be included with the proposal and will not be considered in the evaluation process, proposers may submit it as supplementary information if they wish.

5. **Additional Resources:** [No Changes]



Signature

WSP USA Inc.

Name of Business



ADDENDUM NO. 7
Environmental Engineering Services
RFQ 25-002

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

- 1. Clarification of Specifications:** [No Changes]
- 2. Changes to Submission Requirements:** [No Changes]
- 3. Updates to Project Timeline:** [No Changes]
- 4. Responses to Questions:**
 - 1)** In Section 1.24 – TERMS AND CONDITIONS OF AGREEMENT, subsection A on page 11 of the RFQ package, the Indemnification Form within the RFQ package, and section 7.8 – INDEMNIFICATION OF THE CITY, on the sample agreement, are all in violation of Florida Statute 725.08. Would the City please modify this language to make it compliant, which includes removing any requirement to defend? Suggested language per Florida Statute 725.08: “The design professional shall indemnify and hold harmless the City, and its officers and employees, from liabilities, damages, losses, and costs, including, but not limited to, reasonable attorneys' fees, to the extent caused by the negligence, recklessness, or intentionally wrongful conduct of the design professional and other persons employed or utilized by the design professional in the performance of the contract.
 - 1.** The contract in the RFP is a sample and is subject to negotiations between the Consultant and the City. If any language in the RFP or contract is in violation of Florida Statutes it will be remedied in the final contract documents.

- 2) Section 5.2.1.1 – This item notes that the City will not reimburse transportation expenses “...from locations outside the City...unless specifically pre-authorized in writing by the Contract Administrator.” May we assume that this authorization is granted by receiving a Task Order from the City on a proposal which contains travel expenses as shown in Section 5.2.1.2?**

1. Yes.

- 3) Section 5.2.3 - Would the City be amenable to allowing a stipulated percentage markup on hourly fees for subconsultants? Our prior experience with the City indicates that when a given task order requires a substantial portion of the work to be performed via subconsultant, we need to offer those tasks or subtasks as lump sum. Allowing a 10% markup of subconsultants would permit us to offer subconsultants at hourly rates and provide a potential savings to the City.**

- 4) Section 4.5 – Would the City consider striking or limiting the liquidated damages clause?**

1. The contract in the RFP is a sample and is subject to negotiations between the Consultant and the City. However, this in no way means that the City will be willing to strike liquidated damages.

- 5) Section 5.4.2 – Would the City consider allow us to pay our subconsultants following payment from the City?**

1. If the Consultant pays the subconsultant upon payment from the City, the subconsultant must comply with the Florida Prompt Payment Act and provide proof of payment to the City showing compliance with the statutory time frame. Additionally, the contract between the Contractor and Subcontractor shall not shift the risk of non-payment to the subconsultant.

- 6) Section 7.1 – May we be allowed to protect any proprietary information/data/methods we have developed and withhold them from this requirement?**

1. Yes, the Consultant may protect any proprietary information/data/methods they have developed.

- 7) Section 7.8 – See item above from Section 1.24**

1. The contract in the RFP is a sample and is subject to negotiations between the Consultant and the City.

- 8) Section 7.8 - Missing a Dispute Clause - Can we add: Any claim, dispute or other matter in question arising out of or related to this Agreement shall be subject to a meet and confer session as a condition precedent to mediation. The meet and confer session shall be attended by members of the City and Consultant's management who shall have full authority to bind their respective party with respect to the claim, dispute or other matter in question. The meet and confer session shall take place within Fifteen(15) days after a request by either party, unless the parties mutually agree otherwise. If the parties reach a mutually acceptable resolution, then they shall prepare appropriate documentation memorializing the resolution. If the parties cannot reach a mutually acceptable resolution, they shall proceed to mediation in accordance with this Agreement.

1. The contract in the RFP is a sample and is subject to negotiations between the Consultant and the City.

- 9) Section 7.12.6 – Request strike and replace with: “In no event will the Consultant be liable for loss of profits or for any consequential, special, indirect, incidental, punitive or exemplary damages or expenses that may arise from the substitution or replacement of members of the Consulting Team.”

1. The contract in the RFP is a sample and is subject to negotiations between the Consultant and the City.

5. Additional Resources: [No Changes]


Signature

WSP USA Inc.
Name of Business



ADDENDUM NO. 8
Environmental Engineering Services
RFQ 25-002

This addendum is issued as supplemental information to the Invitation to Bid package for clarification of certain matters of both a general and a technical nature. The referenced Invitation to Bid package is hereby amended in accordance with the following items:

1. **Clarification of Specifications:** [No Changes]
2. **Changes to Submission Requirements:** [No Changes]
3. **Updates to Project Timeline:** [No Changes]
4. **Responses to Questions:**
 - 1) Section 5.2.3 - Would the City be amenable to allowing a stipulated percentage markup on hourly fees for subconsultants? Our prior experience with the City indicates that when a given task order requires a substantial portion of the work to be performed via subconsultant, we need to offer those tasks or subtasks as lump sum. Allowing a 10% markup of subconsultants would permit us to offer subconsultants at hourly rates and provide a potential savings to the City.
 1. The City would not allow a mark-up as it could be perceived as a “pass-thorough”.

5. **Additional Resources:** [No Changes]

A handwritten signature in blue ink, appearing to read "C. Noble", is written over a horizontal line.

Signature

WSP USA Inc.

Name of Business

WSP USA INC.
ASSISTANT SECRETARY'S CERTIFICATE

I, Laura S. Unger, Assistant Secretary of WSP USA Inc. (the "Corporation"), do hereby certify on behalf of the Corporation and not in my individual capacity that on May 1, 2024, the Board of Directors of the Corporation adopted the following resolutions:

"RESOLVED, that, in accordance with the Corporation's Signature Authority Policy, any authorized signatory may execute binding legal documents, including any RFPs, RFQs and any resulting project contracts or amendments approved in accordance with the Regional Delegation of Authority."

I further certify that the resolutions have not been revoked and that as Vice President, Local Business Leader of the Corporation, Christine Mehle, is an authorized signatory to sign legal documents, including project contracts, amendments, and task orders, by and between the City of Key West, FL and the Corporation.



Laura S. Unger
Assistant Secretary

March 21, 2025
Date

State of Florida

Department of State

I certify from the records of this office that WSP USA INC. is a New York corporation authorized to transact business in the State of Florida, qualified on March 5, 1973.


The document number of this corporation is 829626.

I further certify that said corporation has paid all fees due this office through December 31, 2025, that its most recent annual report/uniform business report was filed on January 7, 2025, and that its status is active.

I further certify that said corporation has not filed a Certificate of Withdrawal.

*Given under my hand and the
Great Seal of the State of Florida
at Tallahassee, the Capital, this
the Eleventh day of February,
2025*





Secretary of State

Tracking Number: 9009765504CU

To authenticate this certificate, visit the following site, enter this number, and then follow the instructions displayed.

<https://services.sunbiz.org/Filings/CertificateOfStatus/CertificateAuthentication>

Registrations/Certifications



[HOME](#)
[CONTACT US](#)
[MY ACCOUNT](#)

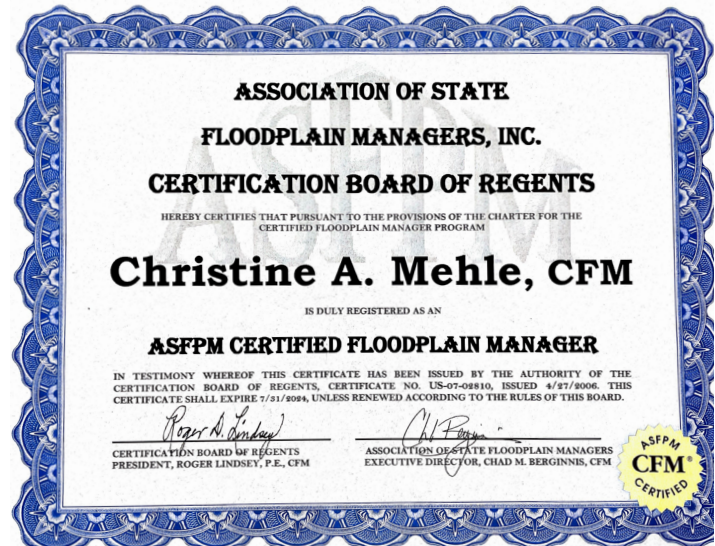
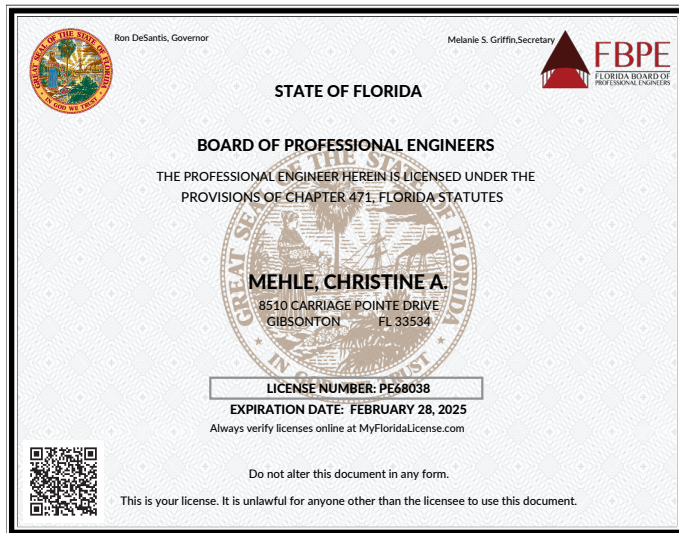
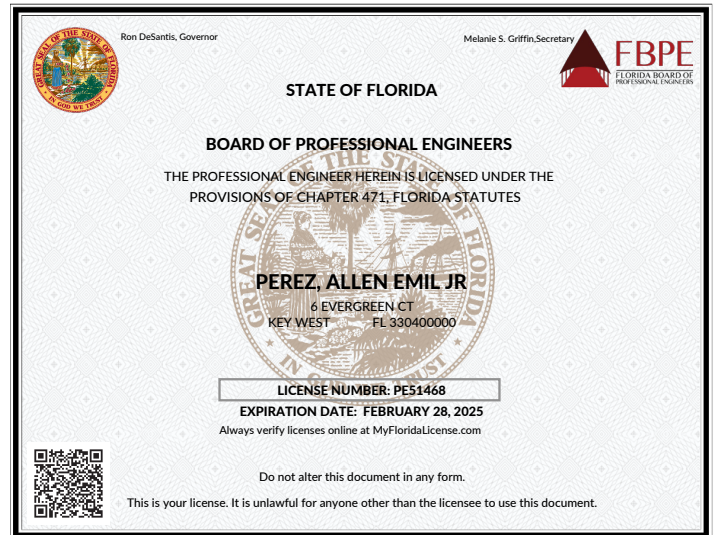
ONLINE SERVICES

- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

11:01:37 AM 4/2/2025

Licensee Information	
Name:	CORNING, GREGORY WILLIAM (Primary Name)
Main Address:	5239 TITLE ROW DRIVE BRADENTON Florida 34210
County:	MANATEE
License Mailing:	5239 TITLE ROW DRIVE BRADENTON FL 34210
County:	MANATEE
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	79293
Status:	Current/Active
Licensure Date:	06/10/2015
Expires:	02/28/2027
Special Qualifications	
Civil	Qualification Effective 07/03/2014
Alternate Names	





[HOME](#)
[CONTACT US](#)
[MY ACCOUNT](#)

ONLINE SERVICES


- Apply for a License
- Verify a Licensee
- View Food & Lodging Inspections
- File a Complaint
- Continuing Education Course Search
- View Application Status
- Find Exam Information
- Unlicensed Activity Search
- AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

11:07:30 AM 4/2/2025

Licensee Information	
Name:	AITHARAJU, ASHOK K. (Primary Name)
Main Address:	831 SUNFLOWER CIRCLE WESTON Florida 333270000
County:	DADE
License Information	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	
Status:	Application In Process
Licensure Date:	
Expires:	
Special Qualifications	
	Qualification Effective
Alternate Names	

Registrations/Certifications (cont.)



Department of Business
& Professional Regulation

HOME CONTACT US MY ACCOUNT

11:09:35 AM 4/2/2025

ONLINE SERVICES

Apply for a License
Verify a Licensee
View Food & Lodging Inspections
File a Complaint
Continuing Education Course Search
View Application Status
Find Exam Information
Unlicensed Activity Search
AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name: ESSIE, BENJAMIN SAM (Primary Name)

Main Address: 7944 NW 163 TERRACE
MIAMI LAKES Florida 33016

County: DADE

License Information

License Type: Professional Engineer

Rank: Prof Engineer

License Number: 47176

Status: Current,Active


Licensure Date: 08/24/1993

Expires: 02/28/2027

Special Qualifications

Qualification Effective

Alternate Names



Department of Business
& Professional Regulation

HOME CONTACT US MY ACCOUNT

2:24:54 PM 4/2/2025

ONLINE SERVICES

Apply for a License
Verify a Licensee
View Food & Lodging Inspections
File a Complaint
Continuing Education Course Search
View Application Status
Find Exam Information
Unlicensed Activity Search
AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name: ESSIE, BENJAMIN SAM (Primary Name)

Main Address: 7944 NW 163RD TERRACE
MIAMI LAKES Florida 33016

County: DADE

License Location:

7944 NW 163 TERRACE
MIAMI LAKES FL 33016

County: DADE

License Information

License Type: Asbestos Consultant - Engineer

Rank: Consultant - EA

License Number: EA0000079

Status: Current,Active


Licensure Date: 04/16/1994

Expires: 11/30/2026

Special Qualifications

Qualification Effective

Alternate Names



Department of Business
& Professional Regulation

HOME CONTACT US MY ACCOUNT

2:26:04 PM 4/2/2025

ONLINE SERVICES

Apply for a License
Verify a Licensee
View Food & Lodging Inspections
File a Complaint
Continuing Education Course Search
View Application Status
Find Exam Information
Unlicensed Activity Search
AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name: ESSIE, BENJAMIN SAM (Primary Name)

Main Address: 7944 NW 163RD TERRACE
MIAMI LAKES Florida 33016

County: DADE

License Information

License Type: Mold Assessor

Rank: Mold Assr

License Number: MRSA115

Status: Current,Active

Licensure Date: 11/01/2010

Expires: 07/31/2026


Special Qualifications

Qualification Effective

Continuing Education Exemption

06/27/2024

Alternate Names



Department of Business
& Professional Regulation

HOME CONTACT US MY ACCOUNT

11:14:28 AM 4/2/2025

ONLINE SERVICES

Apply for a License
Verify a Licensee
View Food & Lodging Inspections
File a Complaint
Continuing Education Course Search
View Application Status
Find Exam Information
Unlicensed Activity Search
AB&T Delinquent Invoice & Activity List Search

LICENSEE DETAILS

Licensee Information

Name: ONEAL, GREGORY A II (Primary Name)

Main Address: 1106 MAXIMO AVENUE
CLEARWATER Florida 33759

County: PINELLAS

License Location:

5411 SKYCENTER DRIVE
SUITE 650 - WSP
TAMPA FL 33607

County: HILLSBOROUGH

License Information

License Type: Professional Geologist

Rank: PG

License Number: PG2400

Status: Current,Active

Licensure Date: 12/09/2005

Expires: 07/31/2026

Special Qualifications

Qualification Effective

Alternate Names

ALTAMONTE SPRINGS, FL 32714-7050


SUBJECT: Professional Surveyor and Mapper License # LS5046
Your application / renewal as a professional surveyor and mapper as required by Chapter 472, Florida Statutes, has been received and processed.

The license appears below and is valid through February 28, 2025.

You are required to keep your information with the Board current. Please visit our website at www.800helpfla.com/psm to create your online account. If you have already created your online account, you can use the website to maintain your license. You can also find other valuable information on the website.

If you have any questions, please do not hesitate to call the Division of Consumer Services, Board of Professional Surveyors and Mappers at 800-435-7352 or 850-488-2221.

Detach Here



Florida Department of Agriculture
and Consumer Services
Board of Professional Surveyors
and Mappers

LS5046

Professional Surveyor and Mapper
CHARLES BARNES GARDINER III

IS LICENSED under the provisions of Ch. 472 FS
Expiration date: February 28, 2025




Florida Department of Agriculture and Consumer Services
Division of Consumer Services
Board of Professional Surveyors and Mappers
2005 Apalachee Pkwy Tallahassee, Florida 32399-6500

License No.: **LS5046**
Expiration Date February 28, 2025



Registrations/Certifications (cont.)



[Licensees](#)[Individual Applicants](#)[Businesses](#)[Continuing Education](#)[General Info](#)[About Us](#)

General Info

LICENSE LOOKUP

Alan Soud

WSP

4021 Stirrup Creek Dr Ste 100

Durham, NC 27703

License: 049855

Status: CURRENT


Issue Date: 1/17/2020

Expires: 12/31/2025

Disciplinary Actions

None found

Search again.



[HOME](#)[CONTACT US](#)[MY ACCOUNT](#)

ONLINE SERVICES

[Apply for a License](#)[Verify a Licensee](#)[View Food & Lodging Inspections](#)[File a Complaint](#)[Continuing Education Course Search](#)[View Application Status](#)[Find Exam Information](#)[Unlicensed Activity Search](#)[AB&T Delinquent Invoice & Activity List Search](#)

LICENSEE DETAILS

2:22:20 PM 4/2/2025

Licensee Information

Name:

TORRES, LEAH GRAFF (Primary Name)

Main Address:

7887 PRAVER DRIVE E.
JACKSONVILLE Florida 32217

County:

DUVAL

License Information

License Type:

Professional Engineer

Rank:

Prof Engineer

License Number:

86641

Status:

Current,Active

Licensure Date:

01/11/2019

Expires:

02/28/2027

Special Qualifications

Civil

08/07/2018

Alternate Names

Registrant Profile

Kai Ming (Kaiming) Sun, P.Eng.

Registration Details

Registration / License Number:

35202

Category of Registrant:

Professional Engineer (P.Eng.)

Date of First Registration:

October 27, 2010

Start Date of Most Recent Registration:

October 27, 2010

Current Registration Status:

Current - Practising

Disciplinary Orders:


None

End Date of Most Recent Registration:

December 31, 2025

Registration History

Category of Registrant	Discipline	Start Date	End Date
Professional Engineer (P.Eng.)	Mechanical	October 27, 2010	



[HOME](#)[CONTACT US](#)[MY ACCOUNT](#)

ONLINE SERVICES

[Apply for a License](#)[Verify a Licensee](#)[View Food & Lodging Inspections](#)[File a Complaint](#)[Continuing Education Course Search](#)[View Application Status](#)[Find Exam Information](#)[Unlicensed Activity Search](#)[AB&T Delinquent Invoice & Activity List Search](#)

LICENSEE DETAILS

2:50:38 PM 4/2/2025

Licensee Information

Name:

CLOSE, THOMAS JACOB (Primary Name)

Main Address:

1116 SW 3RD AVE.
OKEECHOBEE Florida 34974

County:

OKEECHOBEE

License Information

License Type:

Professional Engineer

Rank:

Prof Engineer

License Number:

98060

Status:

Current,Active

Licensure Date:

01/29/2024

Expires:


02/28/2027

Special Qualifications

Civil

01/29/2024

Alternate Names



City of Key West | Environmental Engineering Services | RFQ # 25-002

As one of the world's leading professional service firms, WSP brings clarity and vision to complex challenges by working with and advising governments and private-sector clients on key aspects of earth sciences and environmental sustainability. With the recent acquisitions of the Environment & Infrastructure business (E&I) of John Wood plc. and Golder, we have built the largest environmental practice in the world. Our over 23,000 environmental professionals provide specialized services to clients in some of the most highly regulated industries, including mining, oil and gas, energy, industrial, property and buildings, water and transportation. They advise on matters ranging from clean air, water and land, to biodiversity, green energy solutions, climate change and Environmental, Social and Governance (ESG) issues. From design, permitting, planning and operations, to decommissioning and asset remediation, our environmental professionals are ready to support you through the entire lifecycle of your projects.



16250 NW 59th Avenue
Suite 206
Miami Lakes, FL 33014
+1 (314) 920-8359

wsp.com

