Proposal for

General Engineering Services

Prepared for:
City of Key West General Engineering Services

Prepared by:
WSP
16250 NW 59th Avenue
Suite 206
Miami Lakes, Florida 33014

Original
RFQ No.: 22-006
December 7, 2022

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DIVIDER #1
Cover Letter

16250 NW 59th Avenue
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wsp.com

December 7, 2022

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

Re: General Engineering Services, RFQ # 22-006

Dear Client Name:

WSP USA Environment & Infrastructure, Inc. (WSP) (formerly known as Wood Environment & Infrastructure Solutions, Inc.), is pleased to submit our qualifications to you for the City of Key West's General Engineering Services contract. WSP is a focused supplier of consultancy, engineering, and project management services to its customers in the world's environment and infrastructure, oil and gas, minerals and metals, and clean energy markets. With 36,000 people in approximately 55 countries worldwide, 100 of whom work and reside in the South Florida area, we have a strong reputation for balancing global excellence with local, cost-effective delivery.

WSP has held this Contract with City of Key West since 2012 and has completed a variety of different task orders with like services as requested under this general engineering services contract.

With an office located in Miami since 1994, WSP is a multidisciplinary engineering and geologic services firm with lengthy roots in the South Florida area and includes the firms previously operating under the names Wood Environment & Infrastructure, Inc., Amec Foster Wheeler, AMEC, MACTEC Engineering and Consulting, and BCI Engineers & Scientists. We have reviewed the City of Key West's RFQ and understand the need to provide an exceptionally qualified team to perform the requested services. WSP has been providing master engineering services to many Florida municipal and regional governmental agencies for more than 30 years. We are confident our extensive experience will provide the City of Key West with a cost-effective team to provide solutions to your engineering needs. Our project team represents some of the most qualified engineers and scientists in the state with extensive knowledge and expertise directly correlating to the City's anticipated scope of services. Our team for this project includes four LEED-certified professionals who are supported by a network of nearly 60 similarly certified WSP professionals throughout the United States. Additionally, we have extensive familiarity with FDOT's Certification and Qualification Program (CTQP) and we have invested significantly in the training and technical development of more than 130 personnel obtaining field and laboratory certifications. We also employ 21 Maintenance of Traffic (MOT)-certified personnel in Florida alone.

Mr. Gregory Corning, PE will be the Contract Manager for this opportunity and will be the local point of contact for the City. Mr. Corning is a qualified professional with extensive experience and will remain fully accessible throughout this engagement.

Please be aware that, effective September 21, 2022, Wood Environment & Infrastructure Solutions, Inc. was acquired by WSP. As part of the process, we will file paperwork to change our name to WSP USA Environment & Infrastructure Inc. as soon as possible after closing. We will notify you once that process is complete. Until that time, no other aspects of our legal entity or capabilities have changed for this proposal, including our Federal Tax ID which remains 91-1641772. Correspondence for this proposal should continue to be addressed to the undersigned.

We are pleased to submit this proposal, highlighting our staff, past performances, required forms and overall qualifications of our team. On behalf of WSP, we would like to thank you and the City of Key West for considering us for this assignment. Should you have any questions or comments regarding the information provided please feel free to contact us.

Sincerely,

Brian A. Hathaway

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DIVIDER #2
Information Page

City of Key West

General Engineering Services
RFQ No. 22-006
December 7, 2022

WSP USA Environment & Infrastructure, Inc.

Project Manager
Gregory Corning, PE
Contract Manager/Project Manager

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Authority to Make Representations for WSP
Mark Diblin, PG
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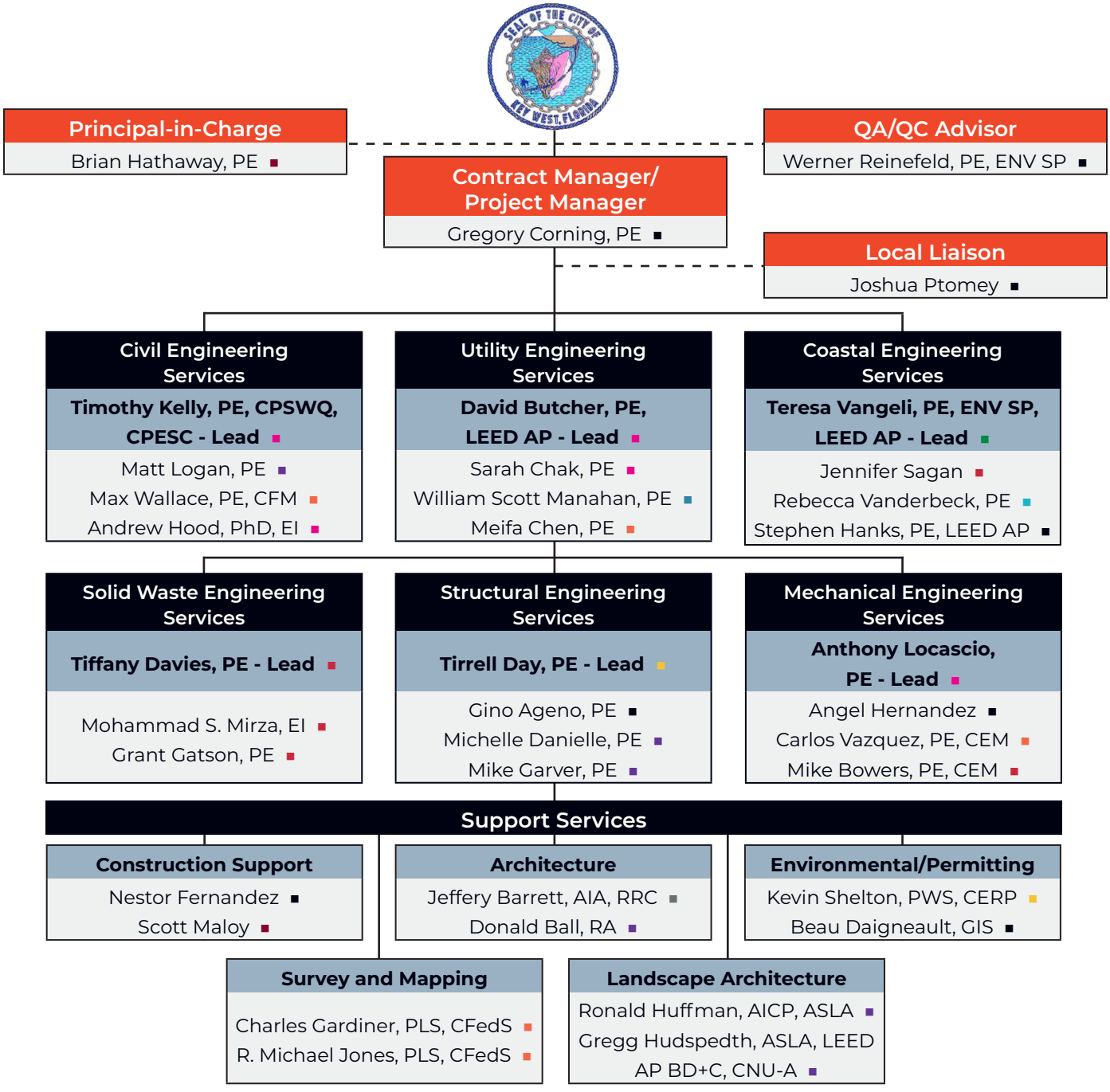
Miami Lakes, Florida 33014

DIVIDER #3
Organizational Chart

3. Organizational Chart

The WSP team offers a diverse and comprehensive skill set of experts covering all required discipline areas. Our expert staff brings in-depth technical knowledge and comprehensive field experience, thus eliminating the inefficiencies and costly learning curves of less-experienced engineering consulting firms.



Key: Team Member's Location					
WSP - Miami:		WSP - Gainesville:		WSP - Boston, MA:	
WSP - West Palm Beach:		WSP - Orlando:		WSP - Kennesaw, GA:	
WSP - Lakeland:		WSP - Jacksonville:		WSP - Charlotte, NC:	
WSP - Tampa:		WSP - Fort Myers:			

Professional Qualifications of Staff Personnel

WSP's project team is composed of individuals with expertise in a variety of disciplines, many of whom are widely recognized as experts in their respective fi eld. A brief description of the experience of selected key project team members, as well as an organizational chart and detailed resumes of all proposed project team members are provided in this section. Professional licenses are included in the Additional Information section of this submittal.

Principal-in-Charge

Key personnel for the City of Key West's project team includes Principal-in-Charge **Mr. Brian Hathaway, PE**. He will make sure WSP's resources are available to assist in the successful implementation of any task and has authority to negotiate with the City. He is a licensed professional engineer with 22 years of professional experience with primary emphasis in geotechnical and civil engineering, subsurface exploration techniques, site characterization, QA/QC materials testing, and civil construction practices. Mr. Hathaway has managed and provided engineering services for various design throughout Florida.

Contract Manager/Project Manager

Mr. Gregory Corning, PE, provides technical input, project management, and engineering analysis for projects involving project management, facility assessments, stormwater design and permitting, environmental design and permitting, and construction administration, engineering, and inspection. Mr. Corning has been the contract manager for multiple continuing service contracts which includes local, state, and federal clients. He currently holds the contract manager position for the Monroe County General Engineering Services Contract, City of Marathon GES Contract, and Village of Islamorda GES Contract. Mr. Corning also possesses experience in the development of grant applications and construction documents such as request for proposals, drawings, technical specifications, and cost estimates.

QA/QC Advisor

Mr. Werner Reinefeld, PE, ENV SP, has more than 38 years of experience in the fields of civil and infrastructure engineering, project

management, design construction, CAD and land development. His experience includes work in the areas of earthworks, road systems, hydrological, hydraulic systems and modeling, water and wastewater facilities, sewer systems, storm water and drainage, utility coordination, oil-contaminated water, energy efficiency audits, permitting feasibility studies, proposal preparation and land development projects. routinely provides principal-level management to WSP's consulting teams as part of our many continuing contracts for engineering and other professional services for counties and cities.

Local Liaison

Mr. Joshua Ptomey 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. As our local liaison, Mr. Ptomey lives and works from his home in Monroe County and will be dedicated to this contract.

Civil Engineering Services

Mr. Timothy Kelly, PE, CPSWQ, CPESC, is a certified Professional Engineer with 35 years of experience spanning the realm of civil and stormwater engineering design representing city, municipal, private, county, and state clients. His experience with capital improvement,

redevelopment, and infill development projects includes all aspects of civil design including roadway and pedestrian transportation improvements, potable water distribution, wastewater collection and transmission, and utility conflict management.

Utility Engineering Services

Mr. David Butcher, PE, LEED AP, is a senior civil project manager with 28 years of experience. He serves as a lead project engineer on many public and private projects dealing with all aspects of civil engineering including water resources, general civil, roadway design, potable water and sanitary sewer design, lift station designs, bridge scour analysis, bridge hydraulic reports, and permitting with multiple agencies throughout Florida. In addition, Mr. Butcher excels at assisting our clients with public meetings and project education to both permitting agencies and constituents. His award-winning design work has been recognized for its excellence and contribution to community rehabilitation.

Coastal Engineering Services

Ms. Teresa Vangeli, PE, ENV SP, LEED AP, has successfully lead projects of all types to achieve their sustainability and resiliency goals using Envision, LEED and client guidelines. She offers more than 30 years of varied sustainable services, resiliency, structural engineering design and management experience. Ms. Vangeli has presented a continuing education unit on the Envision ISI website and at ASCE conferences. She is accredited, understands and is familiar with USGBC LEED BD+C, Parksmart, Institute for Sustainable Infrastructure Envision as well as several client guidelines.

Solid Waste Engineering Services

Ms. Tiffany Davies, PE, is a senior engineer with more than 18 years of professional civil engineering experience. She has been the project manager on number civil engineering projects for municipalities and federal clients as well as private clients. Ms. Davies has been responsible for the design, permitting, and construction phase services of numerous civil engineering projects entailing modeling and design of stormwater management systems, design of recreational facilities, design of roadways, layout and design of residential developments, water and wastewater transmission/collection system designs, and site development services for commercial sites.

Structural Engineering Services

Mr. Tirrell Day, PE, has 17 years of engineering experience and more than eight years of professional engineering licensure to design buildings and other structures. His structural engineering experience includes providing design analysis and construction support for new design, expansions, retrofit, and repair projects which include office buildings, parking garages, federal buildings, and municipal structures. Based on an educational background in structural engineering, he has excelled in a diverse range of activities within the varying stages of project development.

Mechanical Engineering Services

Mr. Anthony Locascio, PE is an Electrical Engineer with more than 14 years of experience working with multiple types of clients, projects, and assignments. His primary focus includes electrical distribution, power, and controls.

Ability to Complete Services with In-House Staff

For decades, WSP has provided innovative, sustainable, and comprehensive solutions to challenges that affect our constructed and natural environment. Our team has worked on more than 100 continuing master engineering design service contracts for government agencies throughout Florida over the past 30 years. Our team's experience includes a diverse range of projects that comprehensively, and in some cases, individually include all services covered under this contract. WSP has the in-house expertise to perform all tasks within the project scope.

WSP offers the City a prime consultant with a continuity of management and staff with a proven record of performance to meet our clients' needs, as well as a tradition of excellence in the quality of work produced. As you will note when reviewing this SOQ, our professional and technical staff to be assigned to your contract have extensive experience on similar projects and work together routinely on projects of many types. Our example projects submitted in this SOQ shows many of these staff working together to complete projects.

DIVIDER #4
Company Information

4. Company Information

WSP supports clients in accomplishing their business objectives by providing innovative solutions using unmatched expertise, up-to-the-minute technology, and uncompromising integrity. From concept to construction, compliance to cost management, WSP is distinctively qualified to help clients meet the demands of today's complex architecture and engineering and projects.

Company Background Information

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.. Since 2000, Engineering News Record magazine has ranked WSP among the top international design firms.

WSP's Florida operation employs nearly 400 people in offices located in every region of the state. We can draw on our experienced local managers and geographical reach to support the needs of clients, regardless of project size and complexity. WSP's depth of global resources allows us to provide our clients with innovative solutions engineered to fit perfectly with your business challenges.

WSP has 11 full-service offices in the state, including four in South Florida. Our staff brings specialized Florida knowledge and experience to our clients with aided service delivery driven by WSP's expansive financial, project management, and IT systems. Using these combined services allows us to draw on vast resources of personnel and experience to meet our clients' needs.

WSP's Florida operation offers full-service solutions to clients throughout North America and internationally. We are dedicated to the consistent achievement of industry leading standards of excellence in consulting, including:

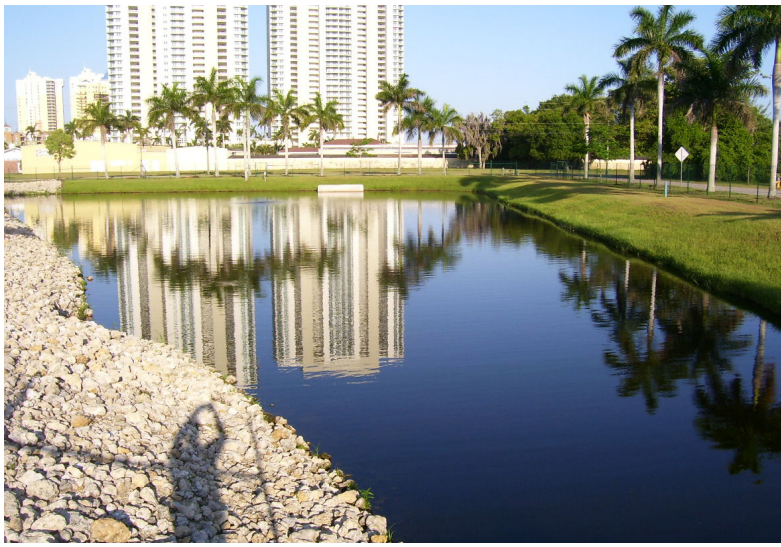
- Air quality
- Architecture
- Civil engineering
- Construction engineering and inspection
- Construction management
- Construction materials testing
- Ecological and permitting services
- Emergency management
- Energy services
- Environmental services
- Facilities services
- Forensic engineering and science
- Fuel services
- Geotechnical engineering
- Laboratory services
- Mining
- Steel services
- Survey and mapping
- Water resources

WSP's Florida operation is home to many of the most talented and dedicated individuals serving the architecture, engineering, and scientific communities today. 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.

Notably, we currently have a local presence in the Keys, with several of our professionals managing projects in Monroe County.

Location

WSP is an architecture and engineering design, environmental consulting, and construction company operating with more than 3,300 professionals in 90 locations across the United States. In Florida, WSP has 400 employees in 11 offices, including more than 100 in the South Florida region. The WSP team brings specialized



Florida knowledge and experience to our clients with aided service delivery driven by our expansive financial, project management, and IT systems. Using these combined services allows us to draw on vast resources of personnel and experience to meet our clients' needs.

The City of Key West projects will be managed and serviced from our Miami Lakes office with additional support from our West Palm Beach, Lakeland, and Orlando offices. While we have team members in multiple offices, our project managers and highly qualified professionals form seamless and flexible project teams that provide uninterrupted continuity to project tasks. We have a proven working history with a high success rate of coordinating and executing high-value engineering and architectural projects throughout the state. The proximity of our offices to the City of Key West will enable the WSP project team to rapidly respond to all project needs in a timely and cost-efficient manner.

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 for projects in the Keys.

Specialized Experience and Technical Competence of the Firm

We understand the challenges facing government agencies today with an ever-increasing demand for services while operating under budget constraints and shortfalls. We have firsthand experience with the City of Key West's varying project needs and our wealth of knowledge and expertise delivered by our skilled professionals

will provide you with the assurance that tasks will be completed competently, professionally, on time, and within budget. In our daily activities our professionals strive to become transparent extensions of your staff so that together we can tackle any challenge effectively, efficiently, and in a way that satisfies our ultimate clients - the citizens you serve.

As a single-source consulting firm, WSP offers our municipal clients a diversity of engineering, environmental, and surveying services ranging from stormwater master planning to roadway design. Our depth of global resources allows us to provide our clients with innovative solutions engineered to fit perfectly with your business challenges.

WSP has provided sustainable and comprehensive solutions to challenges that affect our communities for more than 30 years. Our civil engineering team has worked on more than 100 continuing master engineering services contracts for local governments throughout Florida during the past few decades, which have included community redevelopment and revitalization, utilities engineering and roadway design, stormwater retrofit and drainage design, streetscaping, stormwater master planning, and parks and recreational facilities. Our experience also includes working with municipalities similar in size to the City of Key West (approximately 25,000 residents), including Groveland, Lady Lake, Inverness, St. Cloud, LaBelle, Stuart, Arcadia, Highland Park, Dundee, Avon Park, Sebring, and Fort Meade.

WSP won first place for its implementation of the Florence Villa Redevelopment project in Polk County from the American Planning Association, and Common Ground Park and Playground in Lakeland recently received an award from the Florida American Planning Association for the facility's innovative design, contribution to the community, and impact on neighborhood revitalization.

Critical Services

WSP's team is comprised of a group of uniquely qualified and experienced professionals who possess a comprehensive understanding of all services that may be required under this contract including roadway design and redevelopment services, intersection improvement projects, sidewalk and pedestrian facilities, parks and recreational facilities, utilities engineering, stormwater management, site design, permitting, and construction phase assistance. Additionally, as we are a full-service A/E/C firm we can supplement our team with additional in-house resources if needed. The following sections contains descriptions of our extensive expertise providing civil, utilities, and environmental engineering services.

Civil Engineering and Infrastructure Services

WSP's Civil Engineering Group has successfully provided state and local government, Community Redevelopment Areas (CRA), and private corporations with civil and infrastructure-related design and management services. Our services have spanned the full gamut of engineering and scientific support from due diligence assessments and project planning to post construction monitoring. Within Florida, our Civil engineering group has been providing these services for more than 30 years. Our staff has developed a reputation for its ability to work closely with our client - completing our services on schedule and within budget.

- We are proficient in the following work areas:
- Compliance management and maintenance
- Utilities engineering (water, sewer, and reuse)
- Roadway and intersection design
- Parks and recreational facility design
- Community and neighborhood redevelopment
- Stormwater services (retrofit, master planning, monitoring, compliance)
- Recreational boardwalks, walk paths, and pedestrian trails
- Construction management technology
- Site/land development engineering
- Streetscaping, traffic flow optimization and calming
- Construction administration/construction engineering and inspection (CEI)

Our staff has the experience and expertise to provide economical solutions to a wide variety of general civil engineering tasks. We have extensive experience working with local municipalities and counties in the areas of grant support, project planning, property due diligence, engineering design, regulatory permitting, public education

and awareness, and comprehensive construction management. We have completed numerous grant related projects including Community Redevelopment Block Grant (CDBG) (El Nino Grande, Community Redevelopment, and Economic Development), FDEP (Water Facilities and 319 stormwater), Florida Recreational Development Assistance Program (FRDAP), Environmental Protection Agency (EPA) Grants and others. Additionally, we have worked successfully with a number of grant administrators in obtaining funding and completing engineering, permitting, and construction support for a variety of projects.

WSP's civil group has completed numerous award-winning projects involving community based recreational facilities. We thoroughly understand the need to work closely with community groups in developing park plans. Our experience involves amenities such as:

- Boardwalks, walk paths, and trails
- Pedestrian bridges
- Playing fields (soccer, football, baseball, softball)
- Stormwater parks
- Educational kiosks and displays
- Restroom facilities
- Innovative special needs playgrounds

Our designs focus on providing the highest quality recreational facilities/areas possible within the allocated budget. Cost estimates are provided as early as possible in the design process to allow the client and design team to make decisions as to the level of improvement and or expansion possible. Trails, boardwalks, and access areas are designed to meet current American Disability Act (ADA) compatibility requirements. We have also assisted our clients in the selection of equipment (lighting, playground, and pre-manufactured amenities such as gazebos, pedestrian bridges, trash receptacles, etc.). Parking areas are designed to be user friendly, compliment the overall vision of the community, and satisfy the requirements of the owner (paved or stabilized green areas).

Many of our projects involve a dedicated educational element including kiosks and special displays, educational gazebos, and demonstration areas. Several of our most recent projects involve the design and permitting of boardwalks that traverse wetlands, water bodies, estuaries, and other environmentally sensitive areas. In fact, one project required the creation of a boardwalk that weaves and winds through the treetops of a unique wetland/lake system.

Roadway and Intersection Improvement

WSP's professional engineers are well versed in the design of roadway projects, which have included everything from alleys to major arterial roadway improvements. Elements of our roadway and transportation proficiencies involve evaluation of roadway infrastructure to determine traffic volume and flow, topographic survey, soil borings, pavement design, geotechnical investigations, right-of-way control mapping, roadway plans, drainage plans, signing and pavement marking plans, signalization plans, utility relocation, drainage design, intersection design and improvements, and traffic safety upgrades.

Members of our team have designed new roadway alignments through both undeveloped and developed areas including the widening and/or rehabilitation of existing roadways. Projects have consisted of both rural and urban typical sections and an assortment of blended typical sections. Our design complies with FDOT standards while incorporating the details and specifications desired by our clients. Much of our experience with local street design involves the retrofit and upgrade of all associated infrastructure including drainage, stormwater management, water and sewer utilities, and traffic flow optimization.

Site Design and Permitting

WSP routinely provides site planning and design services to municipal and private clients. Our

Project Team members possess the skills and expertise to take a site development project from start to finish. These services typically include:

- Feasibility analysis
- Boundary and topographic survey
- Phase I and Phase II environmental evaluations
- Land-use planning
- Conceptual design
- Geotechnical investigation and analysis
- Stormwater management design
- Landscape architecture
- Agency permitting
- Public meetings
- Contractor bid phase services
- Construction observation
- Site certifications

In addition to our site design and permitting services, WSP offers architectural design services for new construction and renovation projects.

Commercial Revitalization, Economic Development and Streetscaping

Our streetscape projects have included areas requiring extensive utility relocation to provide necessary pedestrian access and satisfy current ADA and Florida Accessibility Code for Construction. Much of our experience in streetscape work has involved downtown historical business areas that were developed many years ago. As a result, these areas are characterized by narrow and obstructed pedestrian walkways, little or no landscaping, numerous overhead utilities, inadequate parking capacity and inefficient traffic patterns. Our design team has worked very closely with various municipalities and counties to understand their needs and share their vision. It is our goal to fully support our clients in developing the ambiance and overall image they desire for their city, county, or neighborhood.

Some of our recent designs have included major modifications to the roadway systems and related traffic flow patterns, reconstruction of sidewalks and pedestrian cross walks, landscaped common areas, medians, and islands, improved pedestrian safety, traffic calming elements, signage and marking, optimization of parking capacity, and supplemental lighting for aesthetics and personal

safety. Many times, these activities lead to opportunities to enhance and upgrade existing infrastructure to accommodate future growth.

Our staff has extensive experience working with various grant administrators by providing documentation, budget summaries, and design details to satisfy the needs of the funding agencies. We provide accurate cost estimates at specified intervals in the design process that allows the City to optimize improvement plans while remaining within the limited funding allotment. Keeping close tabs on expected construction costs is often critical in a grant funded activity since communities often opt to supplement outside funds with other available fund sources during the design phase of the project. We also value engineer all plans and have sometimes outsourced our plan constructability reviews to qualified contractors. This allows us to obtain a realistic and independent plan review and avoid costly surprises.

Structural Engineering

WSP has designed, rated, repaired, retrofitted, and inspected bridges, culverts, foundations, retaining walls, floodwalls, weirs, spillways, and other related structures. We have designed all facets of bridge structures with spans from 20 feet to 1,500 feet, including all commonly acceptable geometries, materials, and construction methods. Our clients vary from private owners to local agencies, state DOTs, federal agencies, design/build teams and joint venture partners. We have certified fracture critical inspectors for steel bridges and has experience proof load testing bridges and other structures. Our team has designed with steel, concrete, aluminum, wood, and heavy timber on projects, such as large commercial/industrial

warehouses, commercial office buildings, master-planned residential developments, churches, and government buildings. Other notable experience includes forensic engineering for residential and commercial buildings, as well as the renovation of existing structures for expansion/rehabilitation.

Construction Phase Assistance

The WSP Project Team is composed of various staff who have prepared construction cost estimates and bid specifications for numerous government/public works projects. As such, we are aware of municipal procedures for completing projects of this nature. We currently use software that assists us in providing comprehensive specifications in the Engineers Joint Contract Documents Committee (EJCDC) Construction Specifications Institute (CSI) Master Format. Our work with various county, municipal, and FDOT clients has enabled us to recognize situations where special provisions are required to supplement standard specifications.

Having been responsible for plan and specification quality reviews we can attest that a solid, well-prepared construction plan set and accompanying specification package can lead to minimal confusion and misinterpretation which, in turn, results in a reduction of overall construction costs.

In addition, we maintain a library of current construction cost information that allows us to develop accurate cost estimates for all project elements. Historically, our construction cost estimates are within 10% of actual construction cost for our civil engineering projects.

The WSP Team has significant experience in providing comprehensive CEI services. We strive to develop good working relationships with all project participants by encouraging an open and frequent line of communication. Our services generally include material and compaction control, soil density measurements (laboratory and field), concrete sampling and testing, overall construction quality control, review and approval of change order and payment requests, review and approval of shop drawings and alternative materials, photographic and narrative documentation development, dispute resolution, and comprehensive contract management.

Much of our CEI experience has included work on multi-million-dollar civil works projects such as large earth dams and new mining facilities. However, we also routinely provide CEI/Construction Management Technology (CMT) services for our master engineering and redevelopment contracts, such as the City of St. Cloud's neighborhood revitalization that included the inspection of potable water, stormwater and sewer replacement, and subsequent road replacement for 14 streets in an existing residential neighborhood.

Most of our technicians are FDOT and American Concrete Institute (ACI) certified in various testing and construction management elements. Our construction engineering inspection and management services are supported via our in-house USACE-validated soil and materials testing laboratory at our Miami location. In addition, we also maintain certification in confined space entry and rescue to enable us the flexibility to legally access and inspect manholes, inlets, pipes, and other confined spaces. We own and maintain all specialized equipment necessary for such inspections.

Utilities/Stormwater Engineering

From a utilities/environmental engineering standpoint our services include feasibility and engineering reports, design, permitting, bidding assistance and construction management for water, wastewater and water reuse facilities. During the last 15 years our staff has been continuously involved on several projects related to the renewal and replacement of aging water and wastewater infrastructure. We also assist our clients with the design, permitting and management of new capital improvements necessary to support Florida's growing population.

Our team has extensive experience working with various grant administrators, providing the necessary documentation to satisfy the needs of the funding agencies. We provide accurate cost estimates at specified intervals in the design process that allows the City to optimize improvements with the available funds. We also value engineer all of our plans and have on occasion outsourced our plan constructability reviews to qualified contractors. This allows us to obtain a realistic and independent plan review and avoid costly surprises.

Plans developed by our team are typically provided to the client at various stages throughout the project (30, 60, 90, and 100 percent completion).

This allows the client sufficient time for review and comment. Plans are generally provided in hardcopy and digital (CD) format and are available in any software the City may choose, including AutoCAD, MicroStation, or GIS (Arcview and ArcInfo). Our design and plans will accommodate FDEP, City, and FDOT standards.

A recently completed example includes our firm's work with the City of Groveland on a CDBG funded project, which involved the design of approximately 2,200 linear feet of gravity sewer with two lift stations, as well as 1,900 linear feet of force main and 1,400 linear feet of water main. A portion of the roadway within the project's right-of-way was completely replaced and the remainder was milled and resurfaced. A challenge faced by the project team was the narrow right-of-way, which could have created conflicts with other water and sewer utilities and separation requirements without careful planning and implementation.

Utility Locate

To prevent possible conflict with existing underground utilities, prior to performing any subsurface exploration we will contact the Florida State Sunshine Utility Location Service and will contact the City's Utility Department to verify the locations of their existing underground utilities on the site. To minimize risk, WSP will also review the City's plans of private utilities, not members of Sunshine, and to check for conflicts with existing private utilities at the proposed test locations. After review of the available utility information, staking of the test locations is performed, which consists of using a handheld GPS locator to identify locations for the boring, paying attention to overhead lines and various other limitations that would make the boring location unacceptable. Once an area has been staked, a Sunshine Ticket is called in by staff engineer with proper descriptions to help locator clear the ticket, which will allow us to drill the locations found within the Sunshine Ticket. Once the staked area is cleared by Sunshine Ticket, the drilling package is compiled by the Field Supervisor. The package consists of the clear Sunshine Ticket, Pre-Job Brief Attendance Sheet, field boring log with appropriate sampling protocol using the appropriate ASTM standards, and sampling protocol sheet, with the depth of the boring.

An example of WSP's comprehensive approach to clearance of utilities is the Florida Department of Transportation (FDOT) I-595 Corridor Improvement project in Broward County which consisted of drilling approximately 2,700 boring locations with no time lost claims from any drill teams that participated in this program. The drilling was provided in an accelerated schedule to ensure that the design teams could meet the tight timelines established on the onset of this project. WSP believes in safety first when providing the subsurface exploration services and maintained a very safe workplace environment throughout this project. This safety culture was created on the first day of the project with team meetings and team building activities, which consisted of a comprehensive health and safety plan, daily tailgate meetings, and a team of engineers that ensured the boring locations chosen for drilling were called into Sunshine Ticket clearance system. These professionals met in advance of any drilling to adjust chosen locations if the clearance team identified any underground or above ground safety concerns.

Surveying and Mapping

Within the Florida operations of WSP exists an established and experienced surveying and mapping group. Formed and developed over the past 24 years by Mr. R. Michael Jones, PLS, CFedS and Mr. Charles Gardiner, PLS, CFedS, the surveying and mapping group consists of seven professional land surveyors, five field crews, four survey technicians, and two administrative assistants.

Our surveying and mapping group has a remarkable record of continuity with the management function remaining intact for 24

years and all key staff having a minimum of 12 years of working together. It is important to note that this group has remained together and working as a team through several acquisitions and mergers.

Our firm has been providing surveying and mapping services in the state since 1987. We have focused on providing our services to public sector clients and, as a result, we have established and maintained successful business relationships with several governmental clients through continuing surveying and mapping service contracts, including:

- Seminole County: 1992 to 1996, 2002 to Present
- Orange County: 1999 to Present
- City of Ocoee: 1999 to Present
- Orlando Utilities Commission: 1998 to Present
- City of Orlando: 1993 to 1999, 2001 to 2008, 2011 to Present
- Florida Department of Environmental Protection: 1992 to Present
- St. Johns River Water Management District: 1994 to Present
- South Florida Water Management District: 2002 to Present
- Southwest Florida Water Management District: 2005 to Present
- Tampa Bay Water: 2008 to Present
- Florida Department of Transportation: 1992 to Present
- U.S. Army Corps of Engineers: 2002 to Present
- U.S. Department of the Interior, National Park Service: 2004 to 2009
- U.S. Department of Agriculture/Natural Resources Conservation Service: 2005 to Present

We offer the City a consultant with continuity of management and staff with a proven record of successful performance on similar continuing surveying and mapping services contracts.

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.

Solid Waste Management

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 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 systems that lessen the landfill's impact on the environment by reducing its carbon footprint. Our solid waste team has practiced in the private and public waste management field for more than 30 years and offers engineering, 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.

Soil Contamination Assessment and Waste Facilities

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.

Coastal Engineering

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.

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." In the case of this proposal, local leadership in Mobile will be supported by local and southeastern region staff. It is not anticipated we would need any other expertise, but if we do, we have 36,000 colleagues to pick from.

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

DIVIDER #5
Methodology and Approach

5. Methodology and Approach

The WSP team's primary goal is to provide a strong and diverse staff with the interdisciplinary skills and depth of experience necessary to produce all the required tasks on time and within budget, while achieving a quality product.

Methodology

Our daily ability to handle the scope of services will be facilitated primarily by continuously tracking staff needs and availability to ensure project commitments are met, and costly staff overloading or under loading is avoided. Our team's project manager, Mr. Greg Corning, PE, will oversee and coordinate this effort to ensure an effective staff allocation whereby team adjustments will be made as dictated by the project requirements and in accordance with the designated work plan. Equally important will be coordination with City staff.

We are confident that this contract will be an excellent fit for the WSP team in terms of experience and proficiency as well as the availability of the personnel who are proposed. The professionals who would be used for this project are committed to client service and accustomed to providing the individual time and effort necessary to successfully achieve the objectives of our clients. We are looking forward to partnering with you for this contract and are ready to start work immediately. The WSP team is fully confident that we will complete the scope of services successfully and to the full satisfaction of the City of Key West.

We recognize that every project is critical for the City and the adherence to schedule is of the essence. We further understand that technical, operational, and budgetary issues must be addressed concurrently. Most importantly, however, we recognize that all of these issues must be addressed, coordinated, and resolved in a timely manner without interrupting the project schedules.

To address this challenge, we will adhere to proven management approaches to assure quality and on-time performance within budget. WSP's project management approach is based on our core belief in providing the highest level of service and product quality to our clients. WSP's project management procedure and strategy for each component of a project is designed to maximize the efficient execution of each task and to ensure the City's satisfaction. Our management process is proven to be one of the most efficient for controlling numerous activities in a timely and cost-effective manner. These processes are tailored to meet the individual needs of each of our clients.

Approach

Due to each project being unique, our initial step is to coordinate with the City's project manager to understand the scope of work and any history relevant to the project or expectations for a successful project. Below is a typical process for task assignments to executing the services requested in the RFQ:

Phase I – Data Collection and Concept Design

Kick-off Meeting/Scoping Meeting

Many design projects begin with a feasibility study to assess numerous alternatives for addressing a particular problem. It is our experience that a project must be scoped and budgeted in a manner that facilitates the consideration of several alternatives so that a cost benefit analysis will provide information for a final project concept design. The kick-off meeting must ensure that all participating parties state their needs and goals and that the final project objectives established with the consultant are clearly defined and understood by all stakeholders.

Data Collection and Review (Use of Existing Information)

WSP will be proactive in obtaining copies of existing documents or data discussed and summarized at the kickoff meeting that we have not previously acquired. We will review and summarize the data and create a table describing each data source and how the data will be used for the project.

Site Reconnaissance

WSP will inspect the project site thoroughly at the onset of the project. However, additional, and supplemental inspections may be conducted throughout the project duration and during specific project tasks. Digital photographs of observed conditions will be taken to include in the feasibility report. Depending on the specific assignment, we may also request utilities maps and other relevant information from the County to facilitate this task.

Based on our experience, site visits conducted after certain project stages (such as upon receipt of the site survey, during internal development of alternatives, etc.) can be very useful. This allows the feasibility process to be "adaptive" in nature as new information or ideas often emerge during this process. This is especially important in an urban environment where there will be significant public exposure to the project's elements.

Environmental/Ecological Investigations

Most projects require some level of ecological investigation to determine the existence of listed species, baseline water quality and biological conditions, the mean high-water level, and potential for wetland impacts from the project. Our environmental scientists perform these tasks daily and have used all methods of wetland delineation including aerial delineation, delineation by GPS, and delineation for officially surveyed wetland or other surface water extents. They are experienced with mitigation strategies and familiar with local mitigation banking opportunities. To ensure due diligence, we also conduct environmental site assessments (Phase I ESAs) to evaluate the potential for contaminants to be associated with a site. For sites found to contain heavy metals, pesticides, dioxins, or PCBs, our environmental scientists have extensive experience conducting Screening Level Ecological Risk Assessments (SLERA).

Geotechnical Investigation

The geotechnical investigation will include collecting sufficient soils data to assess soil engineering properties, existing and seasonal high water table locations, and design constraints that must be considered during project design.

Methods and equipment used in obtaining soils samples and geotechnical information will be compatible with the project's design requirements.

Existing Conditions: Water Quality/Water Quantity Modeling

WSP is experienced with numerous surface water, groundwater, and integrated (surface and groundwater) models for conducting hydrologic and hydraulic modeling analysis. If necessary, WSP will create existing conditions surface water models using the appropriate methodology and level of detail required for each project. This modeling will provide estimated peak stages observed near roadways and structures, in existing storm sewers, ponds, water bodies, and sub-basins as well as the baseline reference for comparison between existing and proposed conditions.

If the project is water quality driven, our general approach is to estimate pollutant loads from sub-basins contributing to the project area. Pollutant load estimates will be calculated using land-use based event mean concentrations, impervious areas, and average annual rainfall in general accordance with the methodology proposed in the draft statewide stormwater rule. Design parameters (drainage catchment area, time of concentration, imperviousness, etc.) will be obtained using the most appropriate data (previous documentation by others, field confirmed data, data from aerial and topographic maps, etc.). Parameter selections will be clearly documented in the engineering feasibility study.

Also under this task, WSP will incorporate the conceptual BMPs into the existing conditions model to rerun the "proposed" condition model to confirm that no adverse impacts will occur either on-site or off-site.

Feasibility Study

If required for a specific project, a draft feasibility study will be provided by WSP for review by the County and a follow-up presentation will be made to the County Council if requested. The study will discuss each proposed alternative in detail. The draft feasibility report will be submitted in narrative format and will include conceptual plans, cost estimates for each alternative, a 20-year life present worth cost estimate, an evaluation of the anticipated permitting difficulties, estimated operational costs, and maintenance requirements that may be associated with the alternative.

For some projects, the draft feasibility report discussions include provisions for public comment. For instance, one to two weeks after delivery of the report, a meeting could be held to determine what alternatives the County wants to take to final design. Following the meeting and at a time convenient for public attendance, we will have a public sharing meeting. Public comments will be accepted and documented on comment cards for future consideration.

Phase II – Final Design and Permitting

Coordination with Regulatory Agencies

Prior to the 60% plans submittal, WSP will attend pre-application meetings with the appropriate agencies to discuss the chosen alternative(s). WSP will bring the appropriate maps including site aerials, topographic maps, soil information, wetlands maps, and conceptual drawings, and prepare a specific agenda for the meeting calling out questions such as jurisdiction, jurisdictional delineation methods, project specific permit criteria, areas of special concern, modeling requirements, proposed submittal package format, and other items that would be advantageous to address prior to initiating design. The pre-application process is also a forum for taking advantage of the give and take that exists in the permitting process, and we will negotiate

with the agencies for permitting criteria that meets project objectives while satisfying agency requirements. Meeting minutes will be developed and distributed for comment.

WSP managers know that conducting a productive pre-application meeting, where initial acceptance is obtained from regulatory staff and then documented via formal meeting minutes is time well spent, saving our client valuable time and dollars by avoiding repeated requests for additional information from the agencies. Our goal is to submit a permit application that is complete and organized so that the reviewer can easily agree that the project design meets agency permitting criteria. We will follow up the application submittal with a telephone call to the reviewer so that minor questions, which otherwise may become written requests for information, can be directly answered and no written requests are issued.

Permits: Application Submittal, Responses, and Permit Acquisition

WSP will prepare and submit necessary permitting documents and supporting information using the 60% plan set. WSP will incorporate County comments on the draft permit packages and will then deliver the application documents to the regulatory agency. If any agency responds with comments, WSP will contact the agencies immediately upon receipt of the initial comments to ascertain the exact needs of the permit application reviewers. An additional meeting will be attended with the agencies should further clarification be required.

Preparation of Construction Plans and Specifications

Plans will be in conformance to acceptable standards of draftsmanship. WSP typically uses FDOT Plans Preparation Manual as the basis for plans production. However, specific elements required by the County (such as County standard details and material specifications) will be incorporated into the plans.

Plans and cost estimates will be submitted to the County for review at the 30%, 60%, and 90% design levels. Comments by the County and permitting agencies will be reviewed and addressed.

WSP understands the importance of clear details and notes particularly when a project is going out to bid. Attention to this detail minimizes change orders during the construction process and adds value to County projects. For example: it is important to include notes that require the contractor to reflect time for utility relocation in his schedule, to submit detailed as-built drawings for all elements of the project concurrently with the final pay request, and to include sufficient review time for all elements of the project construction.

Public Information Meeting

WSP is equipped to participate in a formal public meeting with staff, elected officials, business owners, and citizens of the County as required for each project. To support these meetings, WSP will provide graphic display exhibits, such as aerial photographs and various design elements to stimulate questions and peak interest in the project. We also routinely provide 8.5 by 11-inch copies of project information sheets to be used as handouts.

Phase III – Construction Services

Pre-Bid Conference

WSP will conduct a pre-bid conference with the goal of providing the potential bidders a clear description of the project and the specific elements of the plans. We will also prepare any necessary addenda during the question/answer period. WSP will assist the County with evaluation of the bids, recommendation of award, notification of award, and notice to proceed.

Pre-Construction Meeting

WSP will conduct a pre-construction meeting to ensure a successful kickoff for the project construction phase. It is WSP 's goal to establish the importance of a team philosophy between the County, the consultant(s), and the contractor to facilitate the project throughout the construction process. The meeting agenda will include a description of the project, contact information, and project roles for each representative, critical project dates, normal work hours, permit information, subcontractor supplier list, testing firm, and a list of preliminary submittals such as a maintenance of traffic plan, construction schedule, shop drawings, and schedule of values.

Review of Shop Drawings

WSP will review the contractor's schedule and shop drawings for compliance with the design plans. WSP uses the shop drawing review as

an extra level of quality assurance. By carefully comparing the plans against the shop drawings, this review confirms the ordered structures match the project needs.

Construction Management

WSP can provide daily construction oversight, or less-frequent on-site construction site visits as appropriate for each project. In either case, our contract manager will be available to provide rapid responses to any questions that may arise. Should a WSP representative notice deviations from the design plans during such visits, WSP will notify the County project manager immediately via the telephone and then in writing within four hours.

Substantial Completion Inspection

WSP will participate with the County during the substantial completion review and develop a punch list of items required for project completion. The Contractor is expected to construct the project to the design specifications and within allowable tolerances.

Final Acceptance Inspections and Project Certifications

WSP will participate in the final inspection of the project with County staff. Once the constructed work is acceptable to all parties, the Contractor will supply WSP with certified as-builts. WSP will incorporate the as-built information from the surveyor with a certification of completion (and other required documents) for the project to the appropriate agencies.

General Administration Phase

Progress Meetings

WSP will attend progress/review meetings throughout the duration of the project. Minutes of all of the meetings will be provided within 48 hours of the meeting. The minutes will reflect agenda items, action items, who is to provide what follow-up, the original schedule, current schedule, and an explanation of how delays will be addressed (if applicable). Additionally, WSP will conduct weekly internal meetings with the design team throughout the duration of the project.

Construction Inspection and Quality Assurance

We will develop and implement a construction quality assurance/quality control plan to document and verify that the construction activities meet the requirements of the project plans and specifications. Two important components of construction inspection are timely reporting of compliance testing results and accurate, systematic tracking of any deficiencies and subsequent repairs in the work. We have completed construction inspection on many major construction projects and have developed tracking systems and reporting protocols using a system of spreadsheets for maintaining field and laboratory test data and results.

Exceptional Customer Service

We are committed to providing exceptional client service and quality work. Client service is at the core of WSP's business model. Our corporate mission statement and number one priority is to provide exceptional client service.

To keep us continually focused on our service, we solicit customer satisfaction feedback through our report card program, which measures satisfaction ratings, so that we can incorporate exceptional service into our everyday project management routine. This process of continued improvement means you get what you need when you need it. The evaluation allows us to precisely determine our client's requirements and to gain a better understanding of their priorities. Our clients provide feedback on how we can better meet their business needs and expectations.

The process is designed to foster an additional level of communication. It helps us identify what adjustments are needed to improve our service for current and future clients. Our goal is to gather and act on information that will drive continuous performance improvement.

DIVIDER #6
Personnel

6. Personnel

The WSP team's primary goal is to provide a strong and diverse staff with the interdisciplinary skills and depth of experience necessary to produce all the required tasks on time and within budget, while achieving a quality product.

Project Staff

Perhaps more so than any other factor, the project staff assigned to the project is a key to maintaining the project budget and schedule. Possession of a pragmatic understanding of the scope of services ensures that the result is consistent with the intended final end-uses. Equally important is a team-wide functional knowledge and understanding of the project guidelines.

WSP has a very effective mix of engineers and scientists who understand the big picture of Clean Water Act initiatives such as TMDLs, NNCs, and NPDES Municipal Separate Stormwater Sewer System (MS4) permit requirements. But just as important, our staff also has the knowledge of local Environmental Resource Permit (ERP) and design conditions which allows our staff to provide the most cost-effective solutions from a short- and long-term standpoint. WSP staff routinely use the most progressive and technologically advanced pollutant load reduction analyses (as mentioned in the draft Statewide Stormwater Handbook of March 2010)

"WSP staff have performed multiple projects for Polk County over the last 25 years. They have always performed excellent and are pleasures to work with."

Jay Jarvis, PE
Roads and Drainage Director
Polk County

to evaluate projects for cost effectiveness early on during the preliminary engineering phase.

The WSP project team was carefully assembled and organized to provide superior expertise, resources, and service to the City. Along with the team's management, highly experienced and uniquely qualified individuals have been chosen to fulfill key team roles. WSP's team will be led by senior project managers with overlapping and complementary skills. By serving both small city and large state government clients, we have gained a broad experience base that enhances our ability to know current regulations and probable future regulatory requirements.

In summary, we are fully committed to conducting our work within the specified project terms and conditions and are fully confident that our team's exceptional level of expertise, experience, and commitment coupled with our strong team structure and project management plan will service the City throughout the course of the Contract.

Capacity of Identified and Assigned Staff to Accomplish Work

Our project managers and highly qualified professionals form seamless and flexible project teams that provide uninterrupted continuity to project tasks. We have a proven working history with a high success rate of coordinating and executing high-value engineering and design projects throughout the state. **Mr. Brian Hathaway, PE,** will serve as the Principal-in-Charge to ensure that all of WSP's resources are available as required to satisfy all project commitments.

The WSP team has ample capacity, at any given time, to support the City of Key West with this contract. The staff members proposed for this assignment will be available daily to provide the services indicated, and individual staff members' hours can and will be adjusted as dictated by project needs and in accordance with the project work plan and schedule. We understand that the nature of this contract may not be one of uniform workload, but rather of varying labor requirements, and the WSP team commits to the City that it will provide sufficient staff resources to handle even peak workload demands. Our team has the resources available to expedite schedule at any time if needed and all are equally committed to client satisfaction and to outstanding technical performance on every task assignment.

The WSP team's primary goal is to provide a strong and diverse staff with the interdisciplinary skills and depth of experience necessary to produce all the required tasks on time and within budget, while achieving a quality product.

We are confident that our team's ability to handle the scope of services required under this RFQ is not affected by our existing workload, which does not include any substantial long-term project commitments for any of our team members. We feel that the project management methods discussed in the previous section would facilitate the efficient implementation of this contract.

Resumes

Resumes for leads assigned to the contract are included on the following pages. The WSP team's contract organizational chart is included in section 3.

Key Staff Member Availability

Team Member	% Available	10	20	30	40	50	60	70	80	90	100
Gregory Corning, PE, ENV SP	70										
Joshua Ptomey	80										
Brian Hathaway, PE	50										
Werner Reinefeld, PE	50										
Timothy Kelly, PE, CPSWQ, CPESC	60										
Matt Logan, PE	60										
Max Wallace, PE, CFM	80										
Andrew Hood, PhD, EI	80										
David Butcher, PE, LEED AP	60										
Sarah Chak, PE	70										
William Scott Manahan	60										
Meifa Chen	60										
Teresa Vangeli, PE, ENV SP, LEED AP	70										
Jennifer Sagan	60										
Rebecca Vanderbeck, PE	60										
Stephen Hanks, PE, LEED AP	70										
Tiffany Davies, PE	60										
Mohammad S. Mirza, EI	80										
Grant Gatson, PE	80										
Tirrell Day, PE	70										
Gino Ageno, ##	70										
Michelle Danielle, PE	60										
Mike Garver, PE	60										
Anthony Locascio, PE	70										
Angel Hernandez	60										
Carlos Vazquez, PE, CEM	70										
Mike Bowers, PE, CEM	70										
Nestor Fernandez	60										
Scott Maloy	80										
Jeffery Barrett, AIA, RRC	70										
Donald Ball, RA	60										
Kevin Shelton, PWS, CERP	70										
Beau Daigneault, GIS	80										
Charles Gardiner, PLS, CFedS	60										
R. Michael Jones, PLS, CFedS	60										
Ronald Huffman, AICP, ASLA	70										
Gregg Hudspedth, ASLA, LEED AP BD+C, CNU-A	80										

Gregory Corning, PE

Contract Manager/Project Manager

Experience

Industry: 17 (2005)

WSP: 12 (2010)

Education

Bachelor of Science, Civil Engineering, Florida Atlantic University, 2009

Professional Registrations

Professional Engineer, Florida No. 79293

Professional Memberships

American Society of Civil Engineers

American Water Resources Association

Florida Stormwater Association

Office Location

Miami Lakes, Florida

Career Summary

As a Contract Manager/Project Manager, Mr. Gregory Corning 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.

Project Experience

City of Key West, KEYS Diesel Facility Assessment, Key West, Florida. Project Manager. WSP performed a site visit and laser scanning of the facility (Buildings I through IV). Our team built a three-dimensional environment where the assessment of the existing elements on Buildings I through IV were present. We determined which elements needed replacement based on the Order to Repair, Alter, or Improve Buildings from the Chief Building Official from the City. WSP prepared cost estimates of the repairs and elements that needed replacement and submitted a final report of findings, recommendations, and conclusions.

Monroe County, Harvey Government Center Facility Assessment, Monroe County, Florida. Project Manager. WSP was tasked with performing a facility condition assessment (FCA) of the Harvey Government Facility in Key West, Florida. The FCA included inspections and accurate analysis of all visible components and elements of the designated property and facility. The results of the FCA were detailed in a facility condition assessment report (FCAR). The processes for both the FCA and FCAR were in accordance with the standards and practices as identified by IFMA and ASTM-E2018-08.

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

Monroe County, Canal Restoration Demonstration Program, Monroe County, Florida. Project Engineer. 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. As part of the design scope, WSP is completing all required environmental surveys, bathymetric and topographic surveys, sediment characterization, geotechnical evaluations, and hydraulic modeling.

Joshua Ptomey
Local Liaison

Experience

Industry: 4 (2018)

WSP: 4 (2018)

Education

Bachelor of Arts, Liberal Studies-Humanities and Social Sciences, Arizona State University, 2017

Training and Certifications

24-Hour HAZWOPER

30-Hour OSHA General Industry

24-Hour Environmental Specialist

USF Authorized Provider (OSHA-Authorized Online Outreach Provider)

360training Authorized Provider (OSHA-Authorized Online Outreach Provider)

Office Location

Miami Lakes, Florida

Career Summary

Mr. Joshua Ptomey 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 is known for his professionalism when interacting with clients and the general public, as well as exceptional written communication and analytical skills.

Project Experience

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

Tax Collectors Office Facility Assessment and Repairs, Marathon, Florida. Construction Manager. The Monroe County Tax Collector building is a one-story structure with a total roof area of approximately 8,500 square feet. WSP is preparing repair construction documents including plans, geotechnical, and permits for the damaged portion of the structure.

Roads and Vulnerability Analysis and Capital Plan, Monroe County, Florida. Construction Manager. 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 (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.

Harry Harris Park Vulnerability Analysis, Monroe County, Florida. Construction Manager. 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. This analysis also furthers the work of the County's ongoing Sustainability and Climate Plan under the GreenKeys plan,. WSP evaluated the available existing data (including previous sea level rise modeling; the County's Local Mitigation Strategy; building, sea wall, and property elevations; and plans, renderings, drawings, and surveys) and prepared a vulnerability characterization/analysis to define the park's future vulnerability to sea level rise and adaptation alternatives (related to existing and proposed site improvements) to proactively promote the resilience and storm surge of the site and its use in perpetuity as a public facility with recreational boat access use.

Brian Hathaway, PE
Principal-in-Charge

Experience

Industry: 22 (2000)

WSP: 22 (2000)

Education

Master of Engineering, Civil Engineering, University of Florida, 2000

Bachelor of Science, Civil Engineering, Florida State University, 1998

Professional Registrations

Professional Engineer, Florida No. 60724

Professional Memberships

Florida Engineering Society

National Society of Professional Engineers

Deep Foundation Institute

Pile Driving Contractors Association

Office Location

West Palm Beach, Florida

Career Summary

Mr. Brian Hathaway is a licensed professional engineer with 22 years of professional experience with primary emphasis in geotechnical and civil engineering, subsurface exploration techniques, site characterization, QA/QC materials testing, and civil construction practices. Mr. Hathaway has managed and provided engineering services for various design and construction-related projects throughout Florida. These projects include residential structures and commercial developments; state roadways, highways and bridges; multi-story building structures; educational facilities; hospitality structures; tower structures; parking garages; marine and port facilities; power and process facilities; heavy civil construction; wastewater and water treatment facilities; pump stations; lift stations; utilities and stormwater drainage; earthen impoundment structures; filter marshes; park facilities; and solid waste landfills.

Project Experience

Monroe County, Tax Collectors Office Facility Assessment and Repairs, Marathon, Florida. Senior Geotechnical Engineer. Monroe County Tax Collector building is a one-story structure with a total roof area of approximately 8,500 square feet. WSP prepared repair construction documents including plans, geotechnical, and permits for the damaged portion of the structure. WSP is also investigating the possibility of mitigating future, similar hurricane damage to the building with a flood-mitigation structure; and if warranted, design the structure.

School Board of Broward County, Geotechnical and Materials Testing Contract, Broward County, Florida. Contract Manager/Senior Geotechnical Engineer. WSP was selected by the School Board of Broward County as a professional consultant to provide geotechnical, construction materials, and laboratory testing services, and threshold and structural inspection services. The projects performed under this contract are performed on a task work order basis. In general, the services provided under this contract consist of site exploration studies, geotechnical engineering design, laboratory testing services, QA/QC construction inspection and materials testing.

City of Fort Lauderdale, Geotechnical Engineering and Laboratory Services Contract, Fort Lauderdale, Florida. Contract Manager/Senior Geotechnical Engineer. Responsibilities include contract and task order project management, subcontractor selection, technical lead during field and testing services, engineering evaluations, and technical reporting. The services consist of site exploration studies, geotechnical engineering design, laboratory testing services, construction inspection, materials testing, and QA/QC. The projects consist of site development for building structures and facility upgrades, roadways, sidewalks and streetscape improvements, bridge structures, drainage systems, underground utilities and wastewater treatment plants, and airport facilities.

Werner Reinefeld, PE, ENV SP

QA/QC Manager

Experience

Industry: 38 (1984)

WSP: 6 (2016)

Education

Bachelor of Science, Civil Engineering, Central University of Venezuela, 1983

Professional Registrations

Professional Engineer, Florida No. 63042

Envision Sustainability Professional

Office Location

Miami, Florida

Career Summary

Mr. Reinefeld has more than 38 years of experience in the fields of civil and infrastructure engineering, project management, design construction, CAD and land development. His experience includes work in the areas of earthworks, road systems, hydrological, hydraulic systems and modeling, water and wastewater facilities, sewer systems, storm water and drainage, utility coordination, oil-contaminated water, energy efficiency audits, permitting feasibility studies, proposal preparation and land development projects.

Project Experience

Sea Level Rise Roadway and Drainage Pilot Project, Monroe County– Key Largo and Big Pine Key, Florida. Engineer-of-Record (EOR) responsible for the Site plan and mechanical layout of two pump stations in Key Largo and Big Pine Key and drainage layout in AutoCAD Civil 3D. Development of ICPR Models for drainage system, pump station and injection wells. Drainage report included research of existing conditions, post-development conditions, pump selection and pump operational and system curves.

Miami-Dade Water and Sewer Department (MDWASD) $17M Pump Station Improvement Program (PSIP). Design Manager Lead for the upgrading of the Wastewater Collection and Transmission System (WCTS) that includes pump stations and force mains pursuant to which each pump station has to be certified as capable of meeting a nominal average pump operating time (NAPOT) of less than or equal to 10 hours per day. Pump stations exceeding the NAPOT criteria must have a Remedial Action Plan (RAP) and no certificate of occupancies can be issued for connections to the WCTS upstream of that pump station until the RAP recommendations are implemented. The program aims to bring into compliance 109 sewage pump stations that do not comply with the NAPOT criteria and/or are in need to be upgraded. Mr. Reinefeld provided QA/QC to the cost estimate structure of the Program.

Central New River Water Main Horizontal Directional Drilling Crossing, Fort Lauderdale, Florida. Engineer of Record responsible for the design of 800 linear feet of a sub aqueous water main crossing under the New River Canal. The existing 16-inch cast iron water main is aging and undersized for the existing and future potable water demands. It will be replaced with a 20-inch HDPE DR-13.5 pipe to be installed via horizontal directional drilling (HDD) in the middle of Fort Lauderdale Downtown Area. Project includes extensive coordination with the residents of the high-rise buildings within the area, the downtown development authority and Broward County Jail Facility.

Lake Toho Restoration/AWS (Judge Farms) Project South Ditch 1 Stormwater Pump Station, Toho County, Florida. EOR responsible for the Site layout and mechanical plans for the proposed Stormwater pump station. Scope of work included preparation of Wet well calculations, pump selection and pump operational and system curves.

Timothy Kelly, PE, CPSWQ, CPESC

Civil Engineering Services Lead

Experience

Industry: 36 (1986)

WSP: 32 (1990)

Education

Bachelor of Science Engineering (Agricultural Engineering), University of Florida, 1984

Classes taken for M.S.C.E.

Professional Registrations

Professional Engineer, Florida No. 44721

Professional Engineer, Texas No. 130482

Certified Professional in Stormwater Quality No. 0338

Certified Professional in Sediment and Erosion Control, CPESC No. 6267

FDEP Certified Storm Water Management Inspector No. 104

Professional Memberships

Florida Stormwater Association)

Office Location

Lakeland, Florida

Career Summary

Mr. Timothy Kelly is a certified Professional Engineer with 35 years of experience spanning the realm of civil and stormwater engineering design representing city, municipal, private, county, and state clients. Mr. Kelly previously served as a stormwater regulatory reviewer where he permitted, inspected, and evaluated the performance of stormwater BMPs. His experience with capital improvement, redevelopment, and infill development projects includes all aspects of civil design including roadway and pedestrian transportation improvements, potable water distribution, wastewater collection and transmission, and utility conflict management.

Project Experience

City of Orlando Public Works Department, Wilshire Drive Bridge to Culvert Conversion, Orlando, Florida. Senior Engineer. WSP was selected by the Public Works Department to provide engineering and design services to convert an existing bridge structure into a culvert structure. The existing two span bridge is designed to be converted to a culvert by inserting large elliptical multi-plate CMP culvert beneath the existing bridge spans and backfilling the void space with flowable fill.

City of Lakeland, Lake Hollingsworth Seawall Project, Lakeland, Florida. Project Manager. Oversaw the design, permitting and construction observation of a seawall on an eroding shoreline of Lake Hollingsworth. A structural fix was deemed appropriate in this case because a “soft shoreline” solution would not withstand the wave action and foot traffic experienced at this location. Permitting was facilitated by avoiding sovereign lands issues and avoiding impacts to existing habitat. The project received the ASCE West Coast Branch Project of the Year for Small Structures.

City of Lakeland, Lake Bonny Park Boardwalk, Lakeland, Florida. Project Engineer. Assisted with general civil engineering aspects of the project and associated permitting for ERP and submerged land issues. WSP designed, permitted, and provided incidental construction management assistance for this park. The park has a mix of active and passive recreational elements, and the nature trail accentuates its location along the edge of Lake Bonny.

Hillsborough County Conservation and Environmental Lands Management, Lower Green Swamp Preserve Master Plan and Hydrologic Improvements Phases 2 and 3, Plant City, Florida. Project Manager/ Engineer of Record. Directed project team to complete deliverables within the authorized budget/schedule for design, permitting, and construction. This project included modeling and designing hydraulic modifications in the Lower Green Swamp Preserve to improve the hydroperiod of over 200 acres of wetlands. WSP also developed a master plan for the rehydration and improvement of wetlands throughout the entire 12,000 acres of the Preserve. Approximately 30 strategic hydraulic modification locations (ditch blocks, overflow sills, low water crossings) were designed.

David Butcher, PE, LEED AP

Utility Engineering Services Lead

Experience

Industry: 28 (1994)

WSP: 19 (1999 to 2004; rejoined 2018)

Education

Bachelor of Science, Civil Engineering, University of South Florida, 1995

Professional Registrations

Professional Engineer, Florida No. 55431

LEED Accredited Professional

Professional Memberships

American Society of Civil Engineers

Chi Epsilon National Civil Engineering Honor Society

Florida Redevelopment Agency

American Water Works Association

American Public Works Association

U.S. Green Building Council

Office Location

Lakeland, Florida

Career Summary

Mr. David Butcher is a Senior Civil Project Manager with 28 years of experience. He serves as a lead project engineer on many large-scale and multi-disciplinary public and private projects dealing with all aspects of civil engineering, including water resources, stream restoration, dam rehabilitation, general civil, roadway design, recreational trail and park design, potable water and sanitary sewer design, lift station designs, bridge scour analysis, bridge hydraulic reports, and permitting with multiple agencies throughout Florida.

Project Experience

City of Clermont, Engineering Services, Clermont, Florida. Senior Project Manager. Provided ecological, environmental, geotechnical, survey, utility, roadway, and stormwater engineering services for various capital improvement projects located in the City of Clermont. Services included a full range of design, permitting, and construction support.

Polk County Utilities Division, Continuing Services Contract, Polk County, Florida. Project Engineer/Quality Assurance. Involved with utility system design and rehabilitation projects throughout Polk County. Completed several water main projects including the Polk County Utilities and Haines City Water Main Interconnect, Lily Lake Water and Wastewater Transmission System Design, Waverly Water Transmission System Design, Frostproof Water Main Extension, U.S. 27 Water System Improvements, S.R. 540 Water Main Extension, Moore Road Water Main Extension, and Pine Glen Subdivision Water Service Retrofit.

Hillsborough County, Tanglewood Lane Drainage Improvements, Hillsborough County. Project Engineer. The project includes the design and permitting of a new stormwater trunk line along Tanglewood Lane, Civic Drive, and Memorial Highway in Tampa, Florida. The design included a new stormwater management system, the addition of a new gravity sanitary sewer collection system along Tanglewood Drive, and the relocation of a potable water main along the alignment of the new stormwater trunk line. WSP provided PD&E, design, survey, subsurface utility engineering (SUE), geotechnical investigation, utility relocation coordination, regulatory permitting, bid assistance, and construction engineering and administration assistance.

City of Groveland, Continuing Engineering Contract, Groveland, Florida. Project Manager. Responsibilities include master planning, utility projects, road projects, and development review, as well as oversight of the development of the City's CRA stormwater master plan. Select projects include Lake Audrey Stormwater Improvements; Lake David Stormwater Improvements; Coverboard Survey and Threatened and Endangered Species Survey; Catherine Lane and Wendell Avenue Sanitary and Water Line Extension; Eagle Ridge Reclaimed Water System – Phase II; Palisades Well Replacement; Park Conceptual Site Planning; and Development Review Services.

Teresa Vangeli, PE, ENV SP, LEED AP

Coastal Engineering Services Lead

Experience

Industry: 33 (1989)

WSP: 33 (1989)

Education

Bachelor of Science, Architectural Engineering (Structural Engineering Discipline), University of Kansas, 1988

Professional Registrations

Professional Engineer, Massachusetts No. 40182

Professional Engineer, Connecticut No. 26329

Envision Sustainability Professional Credential, ENV-SP

LEED Accredited Professional BD+C

Professional Memberships

American Society of Civil Engineers

Structural Engineers Institute

Office Location

Boston, Massachusetts

Career Summary

Ms. Teresa Vangeli has successfully lead projects of all types to achieve their sustainability and resiliency goals using Envision, LEED and client guidelines. She offers more than 30 years of varied sustainable services, resiliency, structural engineering design and management experience. In addition to managing sustainable project design and certification, Ms. Vangeli provides sustainable guidance on projects throughout WSP, including lunch & learns, peer reviews and virtual presentations on Envision. Ms. Vangeli has presented a continuing education unit on the Envision ISI website and at ASCE conferences. She is accredited, understands and is familiar with USGBC LEED BD+C, Parksmart, Institute for Sustainable Infrastructure Envision as well as several client guidelines. Ms. Vangeli is active on the sustainability committees for BSCES and ASCE's Structural Engineering Institute. She is familiar with the International Building Code. She has wide experience covering various types of projects that include transit facilities, parking structures, airport facilities, heavy industrial building, railroad facilities, buildings, highway and railroad bridges, public ways, air-rights and tunnels. Ms. Vangeli has worked on design/build projects, preliminary designs and studies, final design, design reviews, construction phase services, inspections and bridge ratings.

Project Experience

Rowes Wharf Project, Boston, Massachusetts. Project Manager. WSP is supporting the resiliency design of Rowes Wharf buildings, public Harborwalk, piers and facilities. The work for Rowes Wharf has includes resiliency peer review of other vendors, periodic technical review, resilience planning services, communications support, Storm Analysis using Flow 3D-CFD analysis, asset assessment and vulnerability analysis, emergency preparedness.

Institute for Sustainable Infrastructure (ISI), Verification, Envision. As an Envision Verifier, Ms. Vangeli uses her years of experience on Envision documentation to provided support to the ISI for review of other project documentation. Current project is NYCDDC East Side Coastal Resiliency.

Millennium Partners, Winthrop Square Tower and Parking Garage, Boston, Massachusetts. WSP is supporting the project for LEED certification on the Residential and Office Towers, as well as Passive House certification, Well Gold certification for the Towers. Ms. Vangeli is the Sustainability Lead, providing Parksmart Advisor services for the parking garage design team and the developer's parking management team and the construction manager. This is a current project.

Heat Resilience Strategies for City of Boston, Massachusetts. Project Manager, Resilience Lead. Provided infrastructure resilience, sustainable cost benefit analysis and cost estimating. The City of Boston launched the Heat Resilience website on April 22, 2022.

Tiffany Davies, PE

Solid Waste Engineering Services Lead

Experience

Industry: 19 (2003)

WSP: 13 (2009)

Education

Bachelor of Science, Civil Engineering, University of Florida, 2003

Professional Registrations

Professional Engineer, Florida No. 68370

Office Location

Gainesville, Florida

Career Summary

Ms. Tiffany Davies is a senior engineer with more than 18 years of professional civil engineering experience. She has been the project manager on number projects for municipalities and federal clients as well as private clients. She manages a team of engineers in the water resources department, focusing on civil engineering, hydrology and hydraulic analysis, site civil and wetland restoration projects. Ms. Davies has been responsible for the design, permitting, and construction phase services of numerous civil engineering projects entailing modeling and design of stormwater management systems, design of recreational facilities, design of roadways, layout and design of residential developments, water and wastewater transmission/collection system designs, and site development services for commercial sites.

Project Experience

Monroe County, Roads and Vulnerability Analysis and Capital Plan, Monroe County, Florida. Associate Engineer. 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. Responsible for performing technical liaison duties and quality control review for this project.

City of Gainesville, Mason Manor Western Floodwall Extension, Gainesville, Florida. Associate Engineer. WSP assisted the City of Gainesville in preparing design plans for the FEMA Hazard Mitigation Grant Program (HMGP) to repair a portion of the Mason Manor berm which had failed during Hurricane Irma causing damage and flooding. WSP obtained survey data, geotechnical data, prepared design plans for the wall and performed environmental permitting for the project. Associate engineer performing QA/QC on the design plans and client interactions.

Northwest Sector Development of Regional Impact, Florida, WilsonMiller, Inc. Project Engineer. Responsible for responding to application for development approval questions for the overall DRI application. The responses for the subject DRI included information regarding existing soils, floodplain impacts and compensation, water supply, wastewater management, stormwater management, and solid waste, hazardous waste, and medical waste.

Town Centre Development of Regional Impact, Lakewood Ranch, Florida, WilsonMiller, Inc. Project Engineer. Responsible for responding to application for development approval questions for the overall DRI application. The responses for the subject DRI included information regarding existing soils, floodplain impacts and compensation, water supply, wastewater management, stormwater management, and solid waste, hazardous waste, and medical waste.

Tirrell Day, PE

Structural Engineering Services Lead

Experience

Industry: 17 (2005)

WSP: 9 (2007 to 2011; rejoined 2017)

Education

Bachelor of Science, Civil and Environmental Engineering – Structural, University of Tennessee, 2004

Professional Registrations

Professional Engineer, Florida No. 82160

Professional Memberships

American Institute of Steel Construction

American Society of Civil Engineers

Office Location

Tampa, Florida

Career Summary

Mr. Tirrell Day has 17 years of engineering experience and more than eight years of professional engineering licensure to design buildings and other structures. The bulk of Mr. Day's experience is in the federal and municipal sectors, providing design analysis and construction support for new design, expansions, retrofit, and repair projects which include office buildings, parking garages, federal buildings, and municipal structures. Based on an educational background in structural engineering, he has excelled in a diverse range of activities within the varying stages of project development.

Project Experience

Monroe County Tax Collectors Office Facility Assessment and Repairs, Marathon, Florida. Senior Structural Engineer. Monroe County Tax Collector building is a one-story structure with a total roof area of approximately 8,500 square feet. WSP prepared repair construction documents including plans, geotechnical, and permits for the damaged portion of the structure. WSP is also investigating the possibility of mitigating future, similar hurricane damage to the building with a flood-mitigation structure; and if warranted, design the structure.

Coquina South Boat Ramp Replacements, Manatee County, Bradenton, Florida. Structural Engineer – Boat Ramp. Redesign of the existing boat ramp with identical layout per request of the County. WSP examined the layout per ADA requirements and criteria as client specified, and code required loading (Florida Building Code). The design was for a timber deck and framing on timber piles. Pile size and spacing was optimized to accommodate longer slips for boat access. WSP also investigated options for a robust design for vessel impact per the County's request. The design package included drawings, cost estimate, construction bid forms, and performance specifications.

Architectural/Engineering Design Services, U.S. Coast Guard Sand Key, Clearwater, Florida. Project Manager/Structural Engineer. WSP performed a site investigation following Hurricane Irma, including environmental, architectural, structural, and mechanical disciplines, to identify the nature and extent of damage and perform a general building assessment. Our design incorporated best management practices to minimize impact and limit obstruction of daily activities of the station. The total contract included design and construction support services.

Kingfish Boat Ramp Replacements, Manatee County, Bradenton, Florida. Structural Engineer – Boat Ramp. Redesign of the existing boat ramp with identical layout per request of the County. WSP examined the layout per ADA requirements and criteria as client specified, and code required loading (Florida Building Code). The design was for a timber deck and framing on timber piles. Pile size and spacing was optimized to accommodate longer slips for boat access. WSP also investigated options for a robust design for vessel impact per the County's request. The design package included drawings, cost estimate, construction bid forms, and performance specifications.

Tony Locascio, PE

Mechanical Engineering Services Lead

Experience

Industry: 14 (2008)

WSP: 1 (2021)

Education

Bachelor of Science, Electrical Engineering, University of South Florida, 2005

Professional Registrations

Professional Engineer, Florida No. 79215

Training and Certifications

AASHE Certified in Healthcare Construction – February 2011

Certificate in Process Engineering, Total Quality Management

Office Location

Lakeland, Florida

Career Summary

Mr. Anthony Locascio is an electrical engineer with more than 14 years of experience working with multiple types of clients, projects, and assignments. His primary focus includes electrical distribution, power, and controls. He has coordinated mechanical, fire protection, and plumbing disciplines with electrical to deliver complete drawing packages for building construction and has provided construction administration services has included utility coordination, RFI and shop drawing review. He has provided quality control and peer review of drawings for other staff engineers.

Project Experience

Electrical Engineer/Project Manager. Ingenuity Engineers, Orlando, Florida. Conducted surveys of existing installations and write field reports of existing conditions for future construction. Supervised multiple electrical designers on projects to deliver signed and sealed electrical drawings for construction. Coordinated mechanical, fire protection, and plumbing disciplines with electrical to deliver complete drawing packages for building construction. Provided construction administration services for various size projects, including utility coordination, RFI and shop drawing review. Meet with client architects and owners on new projects and establish scope, schedule, and budget on new projects. Served as primary point of contact to for contracted client architect firms. Provided QC and peer review of drawings for staff engineers. Projects included: 1) Storage Facilities: Established MEP design standards for national storage facility owner and construction company. Produced MEPF plans for 20+ facilities based on these standards. 2) Food processing plant: 3000A MCC upgrade/replacement for food processing line upgrade. 3) Hotel Ops Building/Laundry: Dual Ops center building and laundry building for national hotel chain.

Lead Electrical Engineer. Facilities. BRPH In., Orlando, Florida. Conducted surveys of existing installations and update existing master CAD drawings with conditions. Created demolition, power, lighting, communication, and fire alarm plans for renovations and new construction. Conducted inspections of electrical work as installed and sign off on completed work. Conducted arc flash studies of new and existing installations. Modelled electrical system, maintained existing models, prepared and installed labels on new and existing equipment. Performed calculations as required for electrical design, including voltage drop, load flow, selective coordination, and photometrics. Project experience included a facilities emergency/critical power project with design of 2X250kW paralleled generator assembly and power infrastructure for emergency and critical power loads [200,00+ square foot manufacturing facility].

Project Electrical Engineer. Cuhaci & Peterson Architects, Orlando, Florida. Organized existing REVIT libraries and create new standards, families, and templates for existing and future projects. Sized and placed switchgear, lighting fixtures, panels and all other electrical equipment for incident loads and perform relevant calculations (load flow, short circuit, coordination studies).

DIVIDER #7
Qualifications

7. Qualifications

WSP has completed all aspects of engineering design – from concept design through as-built certification, including post-construction monitoring. Our objective is to ensure that available dollars are directed toward sound engineering and design services, successful construction, and affordable operation. We understand the challenges facing government agencies today with an ever-increasing demand for services while operating under budget constraints and shortfalls. We have firsthand experience with your project needs and our wealth of knowledge and expertise delivered by our skilled professionals provides you with the assurance that tasks will be completed competently, professionally, on time, and within budget.

Past Work Experience

WSP has worked on numerous continuing engineering services contracts for municipalities, counties, and other agencies throughout Florida over the past 30 years, several of which have received recognition for innovative approach and design. The continuing services contracts have had a diverse mix of practice area requirements, including utilities engineering, redevelopment, roadway design, drainage design, streetscaping, geotechnical engineering and testing, stormwater master planning, and parks and recreational facilities planning and design. Our experience has included working with municipalities like the City of Key West. Our relevant experience includes:

- Monroe County Canal Restoration Program
- Monroe County Resiliency Program
- Village of Islamorada Canal Restoration Design and Permitting
- FDEP State Park Contract
- Monroe County Project Management Contract
- City of Key West Architectural and Engineering Contract
- FWC Statewide Contract

Our expertise on similar projects is evidenced by the number of clients who have hired WSP for this service area as well as, more importantly, the renewals that our project team has been granted which attests to our commitment to responsive and high-quality service. At the end of the day, the most important issue for us is that a project is completed successfully, and our client's goals and objectives have been achieved.

Experience of Team Members

Working together we offer the City of Key West a prime consultant with a continuity of

management and staff with a proven record of performance to meet our clients' needs, as well as a tradition of excellence in the quality of work produced. As you will note when reviewing this proposal, our professional and technical staff to be assigned to the City's contract have extensive experience on similar projects and work together routinely on projects of many types.

On the following pages are more detailed descriptions for WSP's specific relevant experience in the past five years.

Monroe County Canal Restoration Program

Monroe County, Florida

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

Monroe County, Florida

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

Village of Islamorada Canal Restoration Design and Permitting

Islamorada, Florida

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 consisting of implementation of various residential canal water quality improvements. 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.

FDEP State Park Contract
Statewide, Florida

WSP is currently providing design, planning, and engineering services to the FDEP for several park/recreational facility projects. Professional services have included design, hydrologic/hydraulic modeling, geotechnical and environmental investigations, surveying and permitting. Additional services provided include structural assessment of existing structures and survey services. WSP has developed conceptual alternative plans for the Terra Ceia Boat Ramp facility located in the Terra Ceia Preserve State Park for a boat ramp and floating dock, canoe launch, separate boat trailer and passenger car parking areas and public restrooms. In addition to the traditional design services, and to ensure that the client achieved its goals for the project, WSP is providing additional services that include a detailed hazardous materials survey to identify environmental concerns, which would need to be addressed prior to any demolition.

Monroe County Project Management Contract
Monroe County, Florida

WSP has held this Contract with Monroe County since 2015 and has completed various task orders including building/facility assessments, recommendations, and implementation. With this knowledge, We understand the day-to-day functions within the County to ensure the successful completion of projects from a technical, schedule, and budget perspective. The specific task orders completed within schedule and budget included Key Largo Pickleball Courts Design; Florida Keys Marathon Airport EOC Peer Review; Harvey Government Center Building Assessment; MCSO Administration Building Window Replacement; Jefferson B. Browne Building Parapet Demo and Structural Assessment; Sugarloaf Fire Department Site Analysis; Updates to Monroe County Code Chapter 6; and Veterans Memorial Park ADA Pavilion & Tiki Hut Replacement.

City of Key West Architectural and Engineering Contract
Key West, Florida

WSP has been working with City of Key West on a variety of different task assignments under the AE continuing services contract including KEYS Diesel Facility Structural, Architectural and Environmental Assessment and Clinton Square Park Structural and Electrical Design.

FWC Statewide Contract
Statewide, Florida

WSP holds a District-wide technical services contract with the Florida Fish and Wildlife Conservation Commission (FWC). Under this contract, WSP has been assigned multiple task orders ranging from hydrologic evaluations for environmental restoration to construction administration and inspections.

DIVIDER #8

Representative Engineering Experience and Client References

8. Representative Engineering Experience and Client References

WSP's well-rounded project experience includes engineering and design services for civil and structural engineering projects, and solid waste and coastal facilities. WSP has coordinated with hundreds of federal and state agencies at all levels throughout the United States. We believe that the experiences that we have gained through these past relationships will be valuable for the City of Key West contract.

Client References

Client	Project Dates	Project Name and Scope of Services Comparison	Contact Information
Monroe County	2013 to Ongoing	**AE Services.** WSP has been working with Monroe County on a variety of different task assignments under the AE continuing services contract.	**Rhonda Haag** 1100 Simonton Street Suite 2-216 Key West, Florida 33040 (305) 453-8774 (p) haag-rhonda@monroecounty-fl.gov
City of Key West	2016 to 2012	**AE Services.** WSP has been working with City of Key West on a variety of different task assignments under the AE continuing services contract.	**Gary J. Volenec, PE** City Engineer/Interim Director Engineering Department 1300 White Street Key West, Florida 33040 (305) 809-3828 (p) City_Engineering@cityofkeywest-fl.gov
Village of Islamorada	2013 to Ongoing	**AE Services.** WSP has been providing design, permitting, selection, and water quality improvements for canal restoration projects.	**Peter Frezza** Environmental Resources Manager 86800 Overseas Highway Islamorada, Florida 33036 (305) 664-6427 (p) peter.frezza@islamorada.fl.us
City of Marathon	2017 to 2019	**AE Services.** WSP completed task orders and obtained multiple grants for the City of Marathon related to the canal assessments and restorations.	**George Garrett** City Manager 9805 Overseas Highway Marathon, Florida 33050 (305) 289-4130 (p) garrettg@ci.marathon.fl.us

DIVIDER #9
Sworn Statements and Affidavits

Sworn Statements and Affidavits

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA

SS:

COUNTY OF MONROE

I the undersigned hereby duly sworn, depose and say that no portion of the sum herein response will be paid to any employee 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: **Mark Diblin, PG** Mark C. DiBlin

sworn and prescribed before me this **16th** day of **Nov.**, 2022

NOTARY PUBLIC, State of Florida

My commission expires:

Maggie Proenza-Kanakis

NON-COLLUSION AFFIDAVIT

STATE OF FLORIDA)
: SS
COUNTY OF MONROE)

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 Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on this Contract.

By: **Mark Diblin, PG** Mark C. DeBlin

Sworn and subscribed before me this

16th day of **November**, 2022.

Maggie Proenza-Kanakis
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: _____

MAGGIE PROENZA-KANAKIS
MY COMMISSION # GG 278285
EXPIRES: March 20, 2023
Bonded Thru Notary Public Underwriters

SWORN STATEMENT PURSUANT TO SECTION 287.133(3)(A)
FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED AND SWORN TO IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICIAL AUTHORIZED TO ADMINISTER OATHS,

1. This sworn statement is submitted for **Mark Diblin, PG, Florida Operations Manager**
(print individual's name and title)

by **WSP USA Environment & Infrastructure Inc.**
(print name of entity submitting sworn statement)

whose business address is **16250 NW 59th Avenue, Suite 206, Miami Lakes, Florida 33014**

and (if applicable) its Federal Employer Identification Number (FEIN) is

91-1641772

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

2. 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 of the United States, including, but not limited to, any bid or contract for goods or services to be provided to any public entity or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

3. I understand that "conviction" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment or information after July 01, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.

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

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

   b. 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 agent who are active in the management of an affiliate. The ownership by one person of shares constituting a controlling interest in another person, or a pooling of equipment of 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.

5. I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statute 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 a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

6. 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, 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 01, 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 01, 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 31 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.

Mark C. DeBlin

(SIGNATURE)

November 16, 2022

(DATE)

STATE OF **Florida**

COUNTY OF **Miami-Dade**

PERSONALLY APPEARED BEFORE ME, the undersigned authority **Mark Diblin, PG** who, after first being sworn by me,
(name of individual)
affixed his/her signature in the space provided above on this **16th** day of **Nov.**, 2022

Maggie Proenza-Kanakis NOTARY PUBLIC

My commission expires:

MAGGIE PROENZA-KANAKIS
MY COMMISSION # GG 278285
EXPIRES: March 20, 2023
Bonded Thru Notary Public Underwriters

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 Environment & Infrastructure 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: **Mark Diblin, PG, Florida Operations Manager** Mark C. DeBlin

Sworn and subscribed before me this **16th** day of **November** 20**22**.

NOTARY PUBLIC, State of **Florida** at Large

My Commission Expires:

Maggie Proenza-Kanakis

MAGGIE PROENZA-KANAKIS
MY COMMISSION # GG 278285
EXPIRES: March 20, 2023
Bonded Thru Notary Public Underwriters

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 Environment & Infrastructure Inc.** have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence (attached).
Sworn and subscribed before me this

16th day of **November**, 20**22**.

Maggie Proenza-Kanakis
NOTARY PUBLIC, State of **Florida** at Large

My Commission Expires: _____

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 Engineer, 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.

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.

COMPANY SEAL

PROPOSER: **WSP USA Environment & Infrastructure Inc.**

Address: **16250 NW 59th Avenue, Suite 206**
Miami Lakes, Florida 33014

Signature

Mark Diblin, PG
Print Name

November 16, 2022
Date

Florida Operations Manager
Title

NOTARY FOR THE PROPOSER

STATE OF **Florida**

COUNTY OF

The foregoing instrument was acknowledged before me this _____day of **Nov.**, 20**22**. By__, of **Mark Diblin, PG, Florida Operations Manager** (Name of officer or agent, title of officer or agent) Name of corporation acknowledging) **WSP USA Environment & Infrastructure Inc.**

or has produced_____as identification.

Maggie Proenza-Kanakis

Signature of Notary

MAGGIE PROENZA-KANAKIS
MY COMMISSION # GG 278285
EXPIRES: March 20, 2023
Bonded Thru Notary Public Underwriters

Return Completed form with Print, Type or Stamp Name of Notary

Supporting documents to: City of Key West Purchasing

Title or Rank

THE CITY OF KEY WEST
Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3883

ADDENDUM NO. 1

Engineering Services RFQ 2022

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

1) Question: Are sub-consultants only to be shown as supplemental staff to the prime or are we to include only in-house staff? There is some confusion per "A.3 Ability to provide required services with in-house staff."
   Response: Both in-house staff and sub-consultants should be listed. A.3 highlights that the ability for in-house staff to provide services will be part of the selection criteria, so in-house capabilities are of value.

2) Question: Does the City plan to provide an extension due to the Thanksgiving holiday?
   Response: The original deadline was 11/23 and has already been extended for the holiday to 11/30.

3) Question: Will the City include covers, tabs, and table of contents in the 40-page max?
   Response: The items listed will not be included in the 40-page limit.

4) Question: Can a firm serve as both sub and prime?
   Response: To avoid any conflicts of interest, the City will not accept proposals where consultants considered the prime are listed as sub-consultants on other proposals.

5) Can the City please confirm the deadline for clarification; the RFP stats Oct. 21, 2022.
   Response: The deadline for clarification is November 21, 2022.

Prior to final award, proposers shall acknowledge receipt and acceptance of all Addendums. Proposals submitted without acknowledgement may be considered non-responsive.

Mark C. Diblin

Signature

Mark Diblin, PG, Florida Operations Manager

WSP USA Environment & Infrastructure Inc.

Name of Business

Page 1 of 1

THE CITY OF KEY WEST
Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3883

ADDENDUM NO. 2

Engineering Services RFQ 2022

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

1) **Question:** Can the City confirm if staff resumes are included in the 40 single-page limit?
Response: Pages used for organizational and formatting purposes, like cover sheets, table of contents, section headers, etc. and required forms like sworn statements and affidavits are not included in the page limit. Content to be considered for ranking, such as company and staff information and background, resumes, past projects, references, etc. are to be included in the page limit.

2) **Question:** Can 11"x17" pages be used? If so, how many 11"x17" pages will count towards the 40 single-page limit?
Response: The proposal should consist of standard 8.5"x11" pages. Pages can be displayed in landscape orientation if desired.

3) **Question:** Due to the page limit on the proposal, will the City consider resumes for personnel identified on the Organization Chart be excluded from the page count in the proposal?
Response: All resumes will be included in the page count.

4) **Question:** Do resumes have to be provided for everyone identified on the Organization Chart or only key personnel?
Response: Resumes are not required for all personnel.

5) **Question:** There are several office closures in place for staff to prepare for Tropical Storm Nicole. Would the City consider moving the submission date another week to have sufficient time to put proposals together?
Response: The proposal due date has been changed to 12/7/2022 at 3PM.

Prior to final award, proposers shall acknowledge receipt and acceptance of all Addendums. Proposals submitted without acknowledgement may be considered non-responsive.

Mark C. Diblin

Signature
Mark Diblin, PG, Florida Operations Manager

WSP USA Environment & Infrastructure Inc.
Name of Business

Page 1 of 1

16250 NW 59th Avenue
Suite 206
Miami Lakes, Florida 33014

wsp.com

The world is increasingly focused on sustainable ecosystems, energy efficiencies, resource management, climate change, sustainable practices and supply chains, and health and safety.
WSP provides a full suite of environmental services to public and private clients across a broad range of market sectors. We bring a future-focused approach, innovative planning and design, deep knowledge of the regulatory environment, and an understanding of alternative funding and delivery mechanisms to help clients identify the right solutions.