

# City of Key West

## Architectural Services

Request for Qualifications



RFQ No.: 17-001  
Date: April 12, 2017  
Time: 3:00 p.m.  
Copy

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“The firm has played an integral part in the success of hitting all milestones established by PWWM and our firm. (Amec Foster Wheeler) has been able to provide all services in accordance with our schedule. It has been a pleasure working with (Amec Foster Wheeler) in its capacity as our Architectural/Engineering consultant for the HCCC Offices project.”

Brenda J. Westhorp, P.E.  
President  
Westhorp & Associates, Inc.

## Amec Foster Wheeler

5845 NW 158<sup>th</sup> Street  
Miami Lakes, Florida 33014  
phone: 305.826.5588  
web: amecfw.com



April 12, 2017

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

### RE: RFQ No. 17-001 – Architectural Services

Dear Selection Committee Members:

Amec Foster Wheeler Environment & Infrastructure, Inc. (Amec Foster Wheeler) is very pleased to submit our proposal to the City of Key West, Florida, for RFQ No. 17-001 – Architectural Services. Amec Foster Wheeler is a global multidisciplinary architectural and engineering firm located in Miami Lakes with offices throughout Florida. We are able to provide the City of Key West with a dedicated staff supported by more than 36,000 architectural, engineering, project management, and environmental professionals throughout the world, with nearly 400 staff members in Florida alone. For this opportunity, Amec Foster Wheeler pledges to optimize our services and keep things as simple as possible, provide outstanding value for the City of Key West's dollars spent, provide exceptional client service, deliver products on time and within budget, and be proactive in preventing and avoiding risk to the City.

Amec Foster Wheeler is pleased to present an extremely qualified team to the City of Key West that has been selected based on unique qualifications, performance records, and technical competency providing similar professional services that are requested under this contract. Amec Foster Wheeler has significant and relevant project experience providing quality architecture and engineering services for various local municipalities and state and federal agencies that include but not limited to City of Key West, Monroe County, Collier County, Broward and Miami-Dade County, Village of Palmetto Bay, the Florida Department of Environmental Protection (FDEP), the United States Postal Service (USPS) and the U.S. Department of the Interior. We have also provided services for small- and large-scale projects for numerous private clients, as well as additional municipalities throughout Florida and the United States.

**Why choose Amec Foster Wheeler?** Amec Foster Wheeler's team offers the City of Key West a broad and comprehensive group of architecture, engineering, and construction support experts with a variety of technical backgrounds. Amec Foster Wheeler can provide full support with the capacity to handle any task required under this contract, including the design of residential, commercial, and government buildings, community centers, parking garages, park structures, public plazas, and event venues with Florida laws and regulations; historic preservation and renovation; preparation of plans for modification or rehabilitation of existing buildings; environmental impact evaluations and permitting applications; preparation of reports, schedules, cost estimates, green construction certifications, maintenance schedules and manuals, and other information needed or requested by the City; bidding period services; and contract/construction administration, inspection/oversight, and closeout. From concept design to ribbon cutting, our team will get the job accomplished on time and within budget. Amec Foster Wheeler has extensive experience working with Monroe County and currently holds the City of Key West's General Engineering Services and Architectural Services Contract.

Amec Foster Wheeler's in-house staff includes experts in the areas of architecture, historic preservation, engineering, landscape planning and design, interior design, BIM design, sustainability (LEED), environmental services, permitting services, surveying, geotechnical engineering, material testing, construction management, construction engineering and inspection, and archeological services. Our Florida practice also hosts a full division of building science services, which includes threshold inspections and asbestos survey and removal. Our team for this project includes four LEED certified professionals who are supported by a network of nearly 60 similarly-certified Amec Foster Wheeler professionals throughout the United States.

### Standard of Excellence

At Amec Foster Wheeler, we understand that maintaining a strong commitment to client satisfaction is the cornerstone of our success. This unwavering dedication is one of the many factors that sets us apart from our competition. Our team will work as

a logical and seamless extension of your staff. Our primary goal is to ensure client satisfaction by providing optimal value and relatively low risk. We do this by offering exceptional technical expertise and resources, providing timely service at a reasonable cost, delivering high quality work products, and remaining flexible enough to adapt as the City's projects continue to evolve. We will apply our more than 60 years of Florida-based experience to this contract by being responsive, readily available, and committed to providing exceptional client service every step of the way.

Amec Foster Wheeler Miami Lakes Office Manager **Mr. Michael Nardone, PG**, will be assigned as the Principal-in-Charge of this engagement to ensure all of Amec Foster Wheeler's resources are fully available to assist in the successful implementation of any task and is authorized to negotiate with the City of Key West. Included on the following page is a letter from Mr. Lytle Trout, Amec Foster Wheeler's Senior Vice President and Group Manager, indicating Mr. Nardone has authority to bind the respondent.

**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. The Project Manager/Senior Architect who will be responsible for coordinating the daily tasks for this contract will be **Mr. Santiago Jimenez, AIA, LEED AP**, who is a highly experienced and uniquely qualified architect. Mr. Jimenez led the team that designed the Zoo Miami Florida Exhibit and the improvements for the Trail Glades Range in Miami-Dade County. He has also functioned as the project manager for several parks, recreational, and sports facilities for the Miami-Dade County Park, Recreation, and Open Spaces Department.

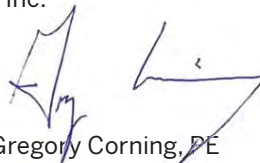
Amec Foster Wheeler has a strong desire to continue working for the City of Key West, and we are proud of our South Florida presence. We are completely committed to working with your staff and are excited about the possibility of providing architecture services for the City. This proposal is made without collusion with any other person or entity, submitting a proposal pursuant to the RFQ.

Respectfully,

Amec Foster Wheeler Environment & Infrastructure, Inc.



Mr. Michael Nardone, PG  
Principal-in-Charge  
954.591.3995 (cell)  
michael.nardone@amecfw.com



Gregory Corning, PE  
Contract Manager  
314.920.8359 (cell)  
greg.corning@amecfw.com





# Evidence of Authority



April 12, 2017

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

Subject: Signature Authority for RFQ No. 17-001, Architectural Services

You requested documentation of signature authority within Amec Foster Wheeler Environment & Infrastructure, Inc. for the subject services listed above. In response, I provide the below table of generic delegated contractual authorities for your reference. These authorities apply to Federal, State or Local Government entities. Additionally, any level of these general authorities may also further delegate signature authority to an individual for a specific action. This is usually done for convenience when the responsible manager is away or otherwise unavailable to sign a contract document.

Please be advised that Mr. Michael Nardone and Mr. Michael Phelps have Office Manager authority and Mr. David Goershel has Region Manager authority to sign on behalf of Amec Foster Wheeler Environment & Infrastructure, Inc.

As an officer of Amec Foster Wheeler Environment & Infrastructure, Inc., I can verify that the limits outlined in the table below are valid for your use:

	No Limitation of Liability in contract		Limitation of Liability in contract	
Managerial Level	Time & Materials Contract Amount	Fixed Price Contract Amount	Time & Materials Contract Amount	Fixed Price Contract Amount
Office Manager	\$3,000,000	\$1,000,000	\$5,000,000	\$3,000,000
Region Manager	\$5,000,000	\$3,000,000	\$10,000,000	\$5,000,000
Group Manager	\$10,000,000	\$5,000,000	\$20,000,000	\$10,000,000
Project Delivery Director	\$15,000,000	\$10,000,000	\$25,000,000	\$15,000,000
President	>\$15,000,000	>\$10,000,000	>\$25,000,000	>\$15,000,000

Please do not hesitate to contact me at (615) 333-0630 or [lytle.troutt@amecfw.com](mailto:lytle.troutt@amecfw.com) should you have any questions.

Regards,

Lytle C. Troutt, Jr.  
Sr. Vice President  
East US and Latin America Group Manager

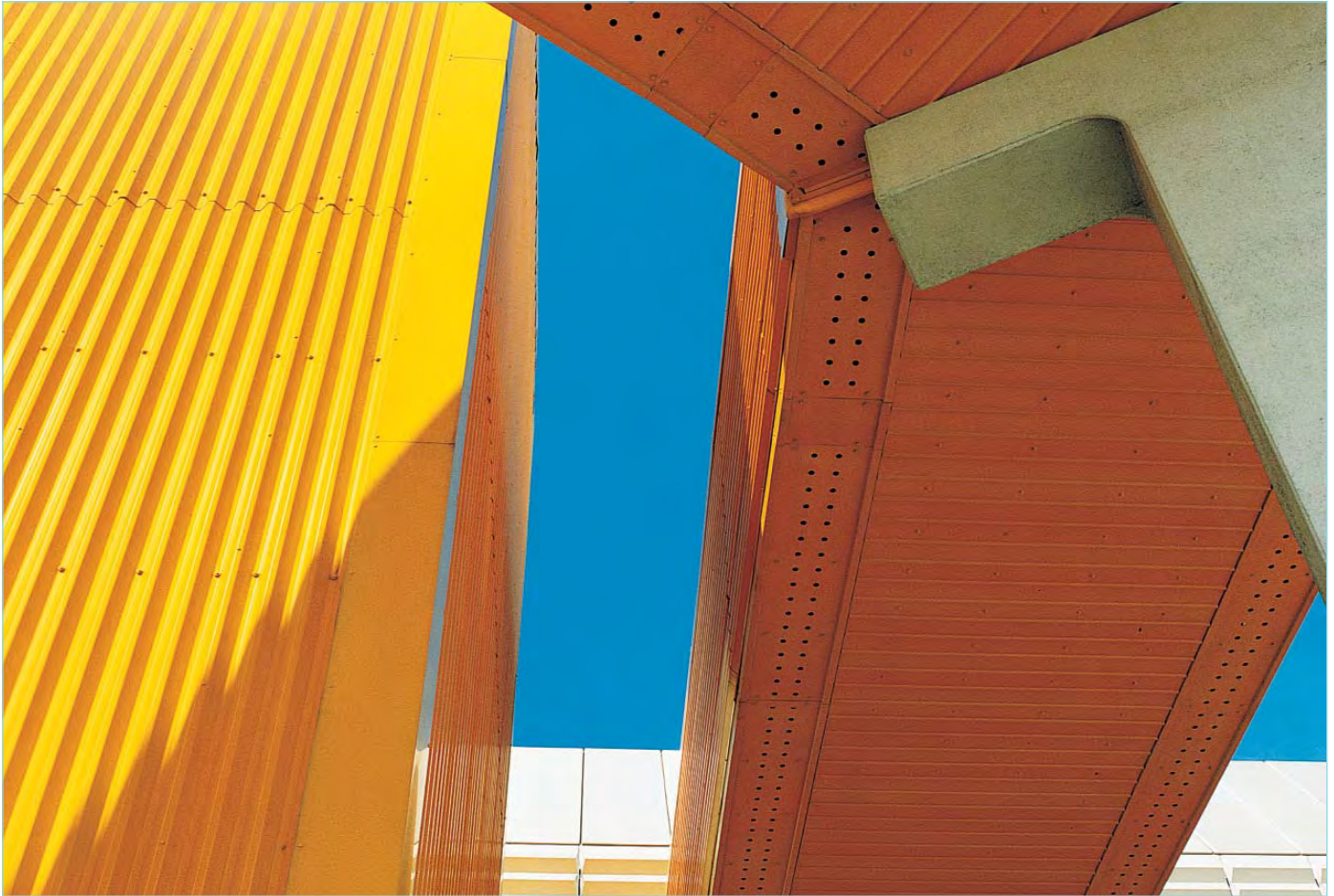


## **Tab 1**

# Specialized Experience and Technical Competence of the Firm



# Specialized Experience and Technical Competence of the Firm



Amec Foster Wheeler 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, Amec Foster Wheeler is distinctively qualified to help clients meet the demands of today's complex architecture and engineering and projects.

## Company Profile

Headquartered in Atlanta, Georgia, Amec Foster Wheeler Environment & Infrastructure, Inc. is an environmental consulting, engineering and design, and construction company operating with more than 3,300 professionals in about 90 locations across the United States. Serving the water, transportation, government, and industrial/pharma sectors, we provide services to both public and private clients worldwide. Since 2000, Engineering News Record magazine has ranked Amec Foster Wheeler plc among the top international design firms.

Amec Foster Wheeler'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. Amec Foster Wheeler's depth of global resources allows us to provide our clients with innovative solutions engineered to fit perfectly with your business challenges.

Amec Foster Wheeler 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 Amec Foster Wheeler's expansive financial, project management, and IT systems. Utilizing these combined services allows us to draw on vast resources of personnel and experience to meet our clients' needs.

Amec Foster Wheeler'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

Amec Foster Wheeler'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. This expertise means that we are able to introduce innovative and flexible design solutions, such as building information modeling/management (BIM), to optimize the efficiency of both major and specialized buildings.

### Firm Experience Architecture Services

Design integration is at the heart of Amec Foster Wheeler. Integrating our architectural design experience with our in-house civil, mechanical, electrical, and structural engineering expertise allows Amec Foster Wheeler to execute both small- and large-scale projects, on time and within budget.

Our in-house architects have specialized knowledge across all the industries in which we work, including public facilities, healthcare, education, commercial, industrial and energy. This expertise means that we are able to introduce innovative and flexible design solutions to optimize the efficiency of both major and specialized buildings.



Our objective is to ensure that available dollars are directed toward sound engineering and architectural design services, successful construction, and affordable operation. Amec Foster Wheeler's comprehensive commercial and residential real estate services range from acquisition and disposition, site development and construction, renovation and rehabilitation, and management and operations, to full real estate programs. Amec Foster Wheeler can also provide third-party services such as peer design review, code analysis, testing, specifications development or review, and quality assurance monitoring. We provide the expertise that assures our clients they are getting a facility that meets federal, state, and local regulations and one that will live up to their expectations in the years to come. Our architectural services include:

- ▶ General architectural services
- ▶ Landscape planning and design
- ▶ Interior design
- ▶ Building Information Modeling (BIM)
- ▶ Park design
- ▶ Parking garage design
- ▶ Park master planning
- ▶ Energy & Environmental Design (LEED) Green Building Rating System
- ▶ Historic preservation and renovation
- ▶ Feasibility studies
- ▶ New facilities
- ▶ Planning studies
- ▶ Programming
- ▶ Renovations

Our engineers, architects, and environmental professionals specialize in evaluation, repair, renovation, rehabilitation, and maintenance of existing facilities, as well as the design of new facilities. From delivering a multi-million dollar government facility to a small fit-out project for a start-up company, we believe our flexibility is our strength. Once we understand your specific expectations, we have the right people, technology, and skills to successfully deliver your project.





Amec Foster Wheeler's architectural services, combined with our additional consulting services allows us to offer our clients the full design package. We develop comprehensive feasibility studies, which, combined with in-depth financial analysis, ensure a project's technical, economic, and commercial viability and ensure the best application for our detailed design and engineering services in every sector in which we operate. We also apply a sustainable approach to all of our projects, incorporating energy-efficient design principles, careful consideration and sourcing of materials, sensitive landscaping and tree planting, and using renewable energy sources wherever possible.

### Landscape Architecture

Landscape architecture is an interdisciplinary art involving the arrangement of landscape elements and spaces in relation to one another for social and environmental enhancement. The design process considers the arrangement and interaction of landscape elements such as vegetation, landforms, paving, and structures (i.e., buildings, walls, stairs, and lighting) for the private and public sectors. In creating enjoyable outdoor spaces for both residence and commuting, Amec Foster Wheeler's landscape architecture experts offer a combination of disciplines including planning, design, management, preservation, and land and water remediation on large and small scales. Our landscape architecture services include:

- ▶ Parks and recreational design
- ▶ Streetscapes
- ▶ Site planning
- ▶ Habitat enhancement
- ▶ Drainage and turf management
- ▶ Watershed planning and restoration
- ▶ Sustainability through green design
- ▶ Application of LEED Principles

Amec Foster Wheeler is an experienced provider in all areas of landscape architecture with particular emphasis on recreational and park facility designs for projects of all sizes.

Our design team has adopted a philosophy to design parks that will serve communities for years to come, to design parks that will remain part of generations of family memories and to design parks that play a vital role in maintaining our commitment to support sustainable development. In pursuit of that philosophy, Amec Foster Wheeler design professionals share the core values, passion and dedication that have become our design signature for professional service.

Amec Foster Wheeler's recreational design staff is thoroughly experienced in all aspects of designing recreation facilities including developing site utilities that match the needs and available resources of each park location. Our staff also provides expertise in meeting all regulatory requirements including Americans with Disabilities Act (ADA) accessibility requirements. Amec Foster Wheeler's recreational design staff has been recognized with more than 25 professional planning and design awards. They have worked together on many projects and have the range of experience in park planning, design and cost estimating to thoroughly understand the technical, regulatory and political complexities of the proposed park development.

### Interior Design

Amec Foster Wheeler's team delivers the entire design package, including the interior of a project. The effective use of space depends on a carefully planned interior design, which should resolve the issues of materials, lighting, and technology in a cohesive and effective manner.

Amec Foster Wheeler's interior designers develop concepts that optimize operations, as well as enhance the aesthetics of a facility. Our in-house staff understands how important effective space planning, as well as the right materials, furnishings, and fixtures, are to the work environment. Our designers work closely with clients at all stages of the design process to assure their goals are met. From small facelifts to complete renovations, we are experienced with challenging renovations, as well as complete new building projects.

Our design team brings its experience to all types of projects ranging from commercial and retail to government and education. Amec Foster Wheeler's interior designers provide a full complement of services that interconnect architecture and interiors so the end result combines creativity with function while staying within budget. Our interior design services include:

- ▶ Bid negotiation
- ▶ Conceptual design
- ▶ Consultant coordination
- ▶ Contractor selection assistance
- ▶ Creation of furniture packages and procurement
- ▶ Facilities analysis
- ▶ Finishes
- ▶ LEED documentation for interiors
- ▶ Lighting design
- ▶ Programming
- ▶ Shop drawings and submittal review
- ▶ Site visits
- ▶ Space planning
- ▶ Wayfinding and signage systems

Amec Foster Wheeler's design team collaborates with our clients to develop strong concepts, effectual space plans, and durable design that are based upon the users' needs and their goals for the space.

#### Building Information Modeling (BIM)

Amec Foster Wheeler understands that design and construction has become increasingly complex with tight schedules and smaller budgets. Our professional staff can assist in streamlining our client's workflows, maintain accurate information, and keep projects moving forward with the use of BIM.

BIM is an intelligent model-based process that provides insight to help engage and communicate with our clients, design more accurately, build more efficiently, and manage buildings and infrastructure. BIM is changing how we build the future. Amec Foster Wheeler's design team, which is comprised of architects, engineers, and designers, fully integrates BIM as part of the standard design process at no extra cost. This integration of technology yields better coordination and more accurate deliverables adding to the value of our services provided to our clients.

#### Historic Preservation

Cultural resource management is an important factor in today's property development process. To receive permits from state or federal agencies, or any time a project utilizes money from the federal government, the effect of development and other activity upon existing historic properties must be considered. Guidelines for preserving historic properties, as required by the National Historic Preservation Act, were enacted to manage change and enhance the future while ensuring that development can occur. The purpose is to keep moving forward, but not at the expense of the past.

Assisting in the process, Amec Foster Wheeler has worked on a multitude of projects with architectural assessments, surveys, and historic preservation planning for commercial clients and government agencies. Through early involvement in project planning, we help clients with their compliance requirements in accordance with federal, state and local regulations while minimizing impacts to significant architectural or archaeological resources due to commercial development. Amec Foster Wheeler's staff maintains the current standards and specifications for architectural assessments, and its principle investigators meet the Secretary of Interior specifications for architectural





historians and historians, as required by federal regulation. Staff experience is nationwide and broad-based, including capabilities of a full-service cultural resource management firm such as archaeological investigations, architectural assessments, geophysics, geomorphology, and Geographic Information System (GIS) databases.

### Energy and Environmental Design (LEED) Green Building Rating System

Progressive public and private entities are looking to build and operate 'green' as an opportunity to differentiate themselves as leaders in the marketplace. Green building certification through LEED (Leadership in Energy and Environmental Design) showcases environmental commitment and leadership, creates a draw for potential tenants, and sends a strong message to employees and the wider community that you care about their health.

Amec Foster Wheeler promotes buildings that are economically profitable, environmentally responsible as well as healthy and productive places to live and work. Our LEED accredited professionals understand the terminology, design intent, product availability, and documentation required to develop a high performance, green building. Sustainability is an integral part of our whole-building design process, which results in the following benefits:

- ▶ Lower ongoing operating costs
- ▶ Increased employee productivity
- ▶ Enhanced occupant health and well-being
- ▶ Reduced liability through healthier buildings
- ▶ Increased property value
- ▶ Reduced costs to tenants
- ▶ Financial incentive programs
- ▶ Community recognition of environmental efforts
- ▶ Predictable results using best practices
- ▶ Cost-effective solutions

Amec Foster Wheeler has a corporate focus and commitment to sustainable development and has a growing LEED practice. We intertwine the technological vision with a firm understanding of environmental and engineering principles. The commercial, governmental and industrial worlds are in a constant state of growth, impacting the energy, water, and carbon "footprint" on our environment. A "Green Building" or LEED certified building can help keep those impacts within an acceptable level.

The decisions we make today about the way our buildings are designed, operated, and maintained will not only impact the present, but the future, as well. Amec Foster Wheeler has a distinct capability of being able to coordinate and synergize the different disciplines (heating and cooling, interior design, environmental, electrical engineering, process design, and health and safety) that impact building design to bring ideas and past experiences together to create a building that the client can be proud of, without overextending the project's budget.



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## Tab 2

# Professional Qualifications of Staff Personnel

# Professional Qualifications of Staff Personnel



The Amec Foster Wheeler team includes a group of highly experienced architecture professionals who will be able to provide all of the services listed in the RFQs Scope of Work.

Our team members are experienced in all aspects of design within Florida, including residential, commercial and government buildings, community centers, parking garages, public plazas, and park structures, as well as historic preservation and restoration. Our City of Key West team includes four LEED certified professionals, who are supported by an additional 60 similarly certified professionals within Amec Foster Wheeler's national network of architecture and engineering professionals.

Amec Foster Wheeler's architectural services, combined with our additional consulting services, allows us to offer our clients the full design package. We have also highlighted team members who can provide additional support for projects, including engineering, construction support, and archeology services, if the need arises.



Key personnel for the City of Key West's project team includes Principal-in-Charge **Mr. Michael Nardone, PG**. He has more than 30 years of experience in the Florida engineering consulting industry and has served in the capacity of office manager, regional manager, and national director during the course of his career. His broad areas of expertise include architectural design, program and construction management, ecological permitting, and civil engineering.

Mr. Nardone has also performed as Principal-in-Charge for numerous multi-million dollar contracts with local governments, as well as state and federal agencies, the private sector, and for design and construction activities associated with the expansion of the Panama Canal for the Panama Canal Authority (ACP). As principal-in-charge, his primary responsibilities have been to provide contract management, serve as client liaison, and provide senior technical support. Mr. Nardone has also been responsible for developing multiple business lines and strategic marketing plan initiatives across Florida, along the east coast of the United States, and internationally in the Caribbean and Central and South America.

**Mr. Gregory Corning, PE** provides technical input 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 Islamorada 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.

The Project Manager and Senior Architect for the City of Key West contract is **Mr. Santiago Jimenez, AIA, LEED AP**, who is a licensed architect with more than 15 years of experience as a project manager and architect for recreational, institutional, commercial, industrial, and large-scale cruise terminals projects. He has extensive experience in managing projects, developing contract documents, and on-site construction observation. As a project manager, he has been responsible for all phases of design and construction, including design development, code and zoning compliance, specifications, construction documents, bidding assistance, and shop drawings, as well as review and construction administration for large-scale transportation, commercial, institutional, and industrial projects. As an architectural group leader, he has also been responsible for the supervision of personnel and financial and resources management.

Mr. Jimenez's project experience includes recreational, sports and park facilities - including an aquatic park, trails, zoo facilities, and site improvements for the Miami-Dade County Parks Department; government facilities for the City of Miami Gardens, as well as numerous projects for port and marine facilities. He has provided design and construction services for several state-of-the-art cruise ship terminals including parking garages and multimodal centers such as the Port of Miami and other major seaports in the United States and internationally.

**Mr. Armando Hernandez, PE, SI**, is the team's QA/QC Advisor. He is a senior project manager and civil engineer with experience in the construction management and engineering of complex technical projects with expertise in civil/structural/architectural design, analysis, and specification writing; quality assurance/quality control (QA/QC); construction management and engineering; and project engineering. With more than four decades of experience, Mr. Hernandez has been responsible for the management





of dozens of renovation, construction, and infrastructure projects, including improvements for a 1.5-million-square-foot hospital, university, and research institution. He directed the design and construction of one of the first MRI clinics in mid-Manhattan and the piping interconnection and controls of chillers in five buildings. This effort saved \$575,000 a year in energy and operating costs and \$3.4 million in avoided chiller construction. He also led a construction program in Puer-to Rico that included the upgrading of more than \$18 million of commercial facilities.

With more than 25 years of experience, **Ms. Zully Kathleen Hemeyer** has managed various types of projects and contracts from concept to funding and program development through design and construction close-out. Ms. Hemeyer possesses a high level of proficiency in research, data analysis, technical writing, financial reporting, and budget development. As a resident of the Florida Keys for more than 17 years, her local knowledge, diligence, and care in handling customer service as relates to projects benefits the Amec Foster Wheeler team, as well as the clients she serves in the region. Ms. Hemeyer participates in numerous local community groups, including Mentor Monroe County Schools and Beautification Islamorada. She also is a volunteer firefighter with the Village of Islamorada Fire Department. She has received numerous awards and recognition for her work, including Environmental Project of the Year for the Village of Islamorada Indian Key Fill Stormwater Project.

Our Senior Landscape Architect for the City of Key West will be **Mr. James Santiago, RLA**. Mr. Santiago has more than

30 years of experience in planning and landscape design, including four major LEED-based projects for the Florida Atlantic University (FAU). He has extensive park and roadway design experience, including landmark parks in Miami, such as Amelia Earhart Park and Trailglades Shooting Park. He also served as the principal landscape architect for the City of Miami Gardens City Hall Complex, which was a platinum LEED project and included all-native land-scape to reflect the local nature of the local landscape.

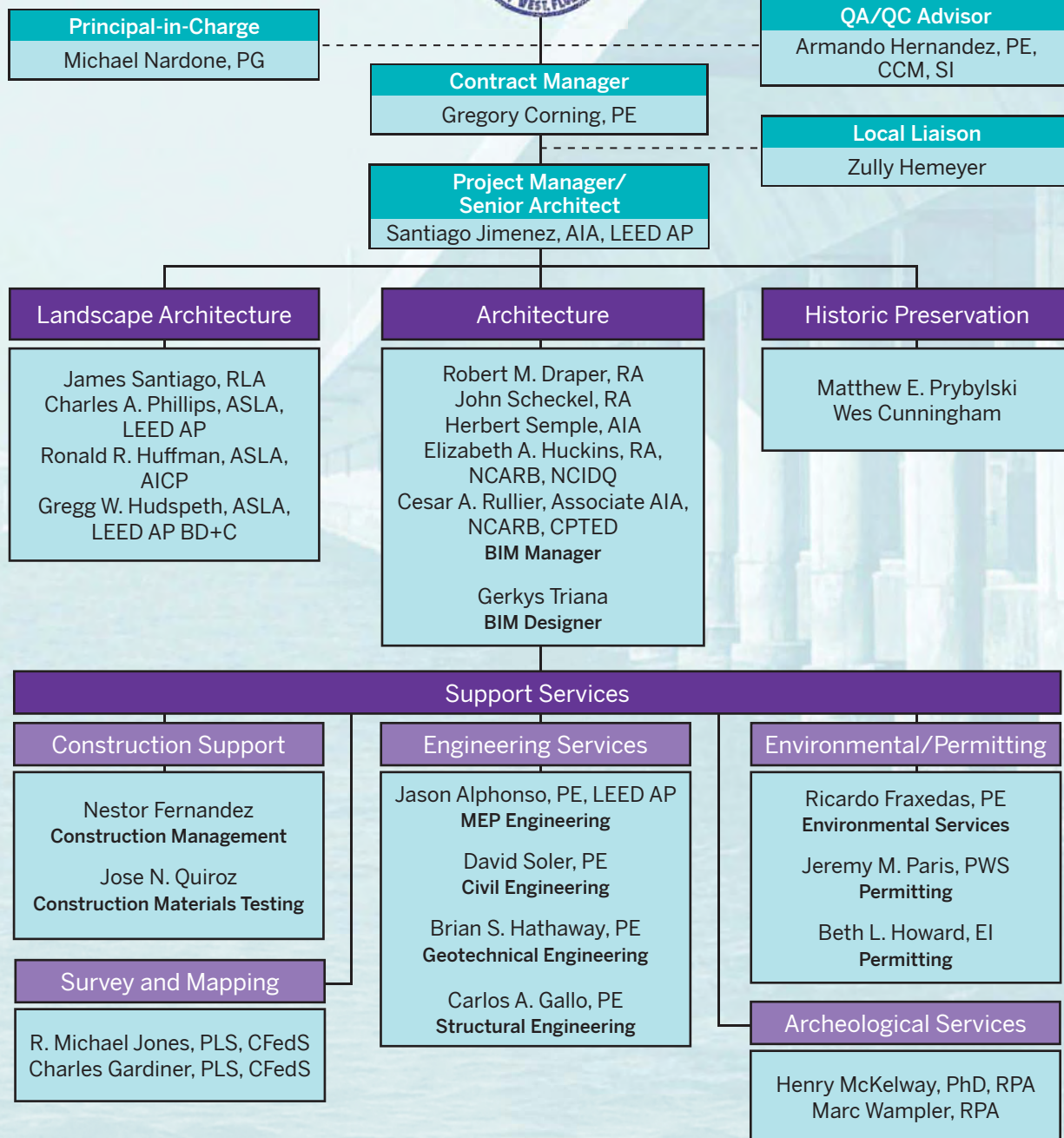
**Mr. Robert M. Draper, RA** has more than 20 years of experience designing large-scale commercial, industrial, and public projects. He has extensive experience in developing construction documents, permitting, and on-site construction observation. Additionally, he has experience in construction management, cost estimating, peer review, and architectural visualization.

**Mr. Matthew E. Prybylski** has more than 24 years of experience in historic preservation and cultural resources management throughout the United States, including more than 20 years of experience in supervisory positions. He has functioned as a project manager, field supervisor, and principal investigator, and is an expert in the technical aspects of archaeological and historic architecture survey fieldwork, report writing, in addition to detailed archival research. He has extensive experience with studies that include NRHP nominations for historic properties, districts, and cultural landscapes, including Section 106, Section 110 and Section 4(f) of the Department of Transportation Act assessments, evaluations, and archival research.



# Project Team

## Architectural Services



## Michael Nardone, PG

### Principal-in-Charge



#### Relevant projects

- ▶ City of Miami Gardens New Municipal Complex
- ▶ Miami-Dade County Amelia Earhart Park
- ▶ Miami-Dade County Trail Glades Range

#### Core skills

Program and construction management, principal oversight, hazardous waste management, ecological permitting, homeland security and emergency management, architectural design, and civil engineering

#### Professional summary

Mr. Michael Nardone has more than 30 years of experience in the Florida engineering consulting industry. He has served in the capacity of office manager, regional manager, and national director during the course of his career. His broad areas of expertise include program and construction management, hazardous waste management, ecological permitting, homeland security and emergency management, architectural design, and civil engineering.

Mr. Nardone has also performed as Principal-in-Charge for numerous multi-million dollar contracts with local governments, as well as state and federal agencies, the private sector, and for design and construction activities associated with the expansion of the Panama Canal for the Panama Canal Authority (ACP). As principal-in-charge, his primary responsibilities have been to provide contract management, serve as client liaison, and provide senior technical support. Mr. Nardone has also been responsible for developing multiple business lines and strategic marketing plan initiatives across Florida, along the east coast of the United States, and internationally in the Caribbean and Central and South America.

#### Representative projects

**New Municipal Complex, City of Miami Gardens, Florida. Principal-in-Charge.** This project was the total architectural design and engineering for a new LEED Platinum Municipal Complex for the City of Miami Gardens. The complex includes the design of a new city hall, police station, commission chambers, and an associated parking garage. The construction budget was \$38 million and all of the design work was completed in 12 months, concluding in December 2011.

**Amelia Earhart Park, Outdoor Aquatic Facility and Park Improvements, Miami-Dade County Parks and Recreation Department, Florida. Principal-in-Charge.** This project included the design and development of approximately 100 under-utilized acres in the northern section of an existing park in the County park system. The work included the review and coordination of environmental, ecological, and archaeological services in the development of the property into a family-orientated water park and mountain bike facility. The proposed facility improvements included a water park with lazy river; water splash area; water slides and wave pool with supporting locker/toilet rooms; administration areas; concession areas; and a mountain bike facility with administration and toilet facilities. Responsibilities included the general coordination of the specialists involved in the project and the design of the supporting facilities through construction. The construction budget was \$9 million and the project was temporarily halted for lack of funding in 2011 at the design development phase.

**Trail Glades Range, Phases I and II, Miami-Dade County Park and Recreation, Florida. Project Manager and Principal-in-Charge.** This project included the renovation and upgrade of the existing County-owned 600-acre gun range located in western Miami-Dade County on the edge of the Everglades National Park. Much of the work was to design and supervise the construction of park shooting and clubhouse facilities on environmentally sensitive land and



#### Education

Bachelor of Science, Geology, Florida State University, 1983

#### Professional qualifications/registration(s)

Professional Geologist, Florida No. PG1171

#### Experience

Amec Foster Wheeler: 2011  
Industry: 1984

#### Memberships/affiliations

Miami Beach Chamber of Commerce

Miami-Dade County Local Mitigation Strategy Steering Committee

Continued.

perform contaminated soil removal activities. The scope of the project consisted of a clubhouse design; range master building located at each range; three shelters; an action pistol range; a 100-yard rifle and pistol range; trap and skeet ranges; a sporting clays range; and a lead clean-up.

**Pre-Trial Detention Center 40-Year Recertification Repairs and Expansion, Miami-Dade County Florida. Principal-in-Charge.** The scope of services included the renovation of an existing dormitory space to expand the kitchen area; renovation of the existing kitchen and warehousing area; conversion of food service production to a re-therm process; an assessment of the building envelope and recommendations for needed repairs; and a partial re-roof of the facility. The team was comprised of structural and mechanical, electrical, and plumbing engineers, and a food service consultant.

**Deferred Maintenance, Miami-Dade County Public Schools, Florida. Principal-in-Charge.** Services included a five-year work program to perform architectural and engineering services for Deferred Maintenance and ADA modifications for Miami-Dade County Public Schools in South Florida. Improvements included re-roofing/building envelope, fire/safety, HVAC, electrical, site-civil, structural, and general repair projects for schools throughout the county.

**American Senior High School, Miami-Dade County Public Schools, Florida. Principal-in-Charge.** Project included renovation of multiple buildings, which consisted of general construction, civil, structural, mechanical, electrical, and plumbing for the school; renovation of the auditorium; and ADA compliance and redesign of site access to improve and control traffic flow.

**General Program and Construction Management, City of Miami Beach, Florida. Principal-in-Charge.** Responsible for administering the City's contracts with design professionals and construction contractors, document control, budgeting, support for defense of claims and litigation, contract scoping, plans review, payment submittals, and site construction observations. Projects under this program included golf courses, fire stations, the Miami Beach Convention Center, various parks, and public works facilities.

**Construction Management and Oversight Services, Collier County, Florida. Principal-in-Charge.** Responsible for project management and construction oversight services for Collier County for vertical construction site works and landscaping. Responsible for assisting the County project manager and design professionals with the development of contract documents, conceptual planning and scheduling, total project budget estimating, and contract negotiations. One project example included a landfill scale-house construction with landfill monitoring and management, a new office building, three new scales, an improved digital weighing system, a camera system, an odor monitoring and response center, and a weather station with field analysis center.

**Marlins Ballpark, Miami-Dade County, Florida. Principal-in-Charge.** EPC Fast Track Project completed on budget and schedule. Project involved keeping the client (Miami-Dade County) informed on all aspects of the project, including weekly construction progress meetings and monthly project coordination meetings (attended by owner, developer's representative, and city, county and city commissioners); project construction oversight of the stadium and public infrastructure, including review of all consultants reports; review of the developers and CM's monthly progress payment applications; review and approval of all contractor schedule of values; review of the monthly project schedule updates; review and approval of public infrastructure change orders; setup and management of the owner QC issues log; and setup and management of a project document control system.

**Fort Jefferson Dry Tortugas/Dredging, National Park Service, South Florida. Principal-in-Charge.** The dredging of storm-driven sand from two locations within the moat surrounding Fort Jefferson at the Dry Tortugas National Park. The park is located 70 miles west of Key West and includes seven remote islands composed of coral reefs and sand. The dredging was undertaken to restore the historic setting and improve water quality within the moat. Following mechanical dredging, dredged material was placed in an upland disposal area on the northern side of the fort and used to replenish an eroded beach on the southern side of the fort.

## Gregory Corning, PE

### Contract Manager



#### Relevant projects

- ▶ Monroe County Canal Restoration Demonstration Program
- ▶ Village of Islamorada Canal Restoration Demonstration Program
- ▶ City of Naples Stormwater Master Plan Update Project
- ▶ USDA NRCS Albritton Wetland Restoration Project

#### Core skills

Project management, facility assessments, environmental engineering design and permitting, and engineering and environmental field investigations

#### Professional summary

As a Project Engineer, Mr. Gregory Corning provides technical input and engineering analysis for projects involving project management, dredging and dewatering planning and design, stormwater design and permitting, environmental design and permitting, and construction administration, engineering, and inspection. Mr. Corning has participated in the design of dredging and dewatering projects, the analysis of dewatered sediments for potential beneficial reuse, the analysis of surface water quantity and quality stormwater pollutant loadings systems, and treatment of agricultural runoff by wetland systems throughout Florida. He has conducted field exploration and research on several environmental projects, such as sediment analysis for potential contaminants that affect disposal options, surface water assessment and monitoring, and wetland evaluations. He has assisted in the management and planning for dredging and dewatering, stormwater, and wetland projects from the design and permitting stage through construction and final certification. 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.

#### Representative projects

##### **Monroe County Canal Restoration Demonstration Program, Monroe County, Florida.**

**Project Engineer.** Amec Foster Wheeler 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 to be 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. Amec Foster Wheeler 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, Amec Foster Wheeler is completing all required environmental surveys, bathymetric and topographic surveys, sediment characterization, geotechnical evaluations, and hydraulic modeling. Amec Foster Wheeler is also coordinating all homeowner approvals for staging areas and equipment installation.

##### **Chassahowitzka Headspring Restoration Project, Southwest Florida Water Management District, Homosassa, Florida. Project Engineer.**

Responsible for design, permitting, and construction administration and engineering inspection services for the restoration of the Chassahowitzka headspring, which forms the headwaters of the Chassahowitzka River, an Outstanding Florida Water (OFW). Restoration activities included removal of the fine sands, silt, and organic matter that has accumulated throughout the headspring area. Technical challenges included minimization of impact to water quality (headsprings area is an OFW), the West Indian Manatee, and cultural resources. As such, the sediment removal plan was permitted through FDEP, FWC, USACE and SHPO. The final sediment removal design incorporated a dewatering plan that minimized turbidity impacts caused by the dewatering



#### Education

Bachelor of Civil Engineering,  
Florida Atlantic University,  
2009

#### Professional qualifications/ registration(s)

Professional Engineer, Florida  
No. 79293

#### Experience

Amec Foster Wheeler: 2010  
Industry: 2009

#### Memberships/affiliations

American Society of Civil  
Engineers  
American Water Resources  
Association  
Florida Stormwater  
Association

#### Software proficiency

Stormwater Modeling/Design:  
ICPR  
GIS  
AutoCAD



Continued.

return water, a schedule that would not impact the wintering activities of the manatees in the headspring area, and a cultural resource screening and recovery plan. Amec Foster Wheeler provided construction administration and engineering and inspection services which included weekly site visits, monthly progress meetings, and review of contractor progress to ensure the project met the agreed upon contract schedule.

**City of Naples Stormwater Master Plan Update, City of Naples, Florida. Project Engineer.** Amec Foster Wheeler has been subcontracted by AECOM to assist in the preparation of a comprehensive, and forward looking Master Plan that encompasses the City's stormwater management program, presents a detailed investigation into key components of stormwater as it is related to the City of Naples, establishes goals and provides a foundation for future policy decisions, and guides the City's stormwater management program. The primary responsibility involves the evaluation of the water quality and ecology for the updated stormwater master plan. Responsibilities also include a review of documented changes in water quality and ecology of waters affecting the City of Naples, identification of regulatory standards affecting the stormwater master plan, evaluation of the City's water quality monitoring program, and water quality level of service analysis.

**Village of Islamorada Canal Restoration Demonstration Program, Village of Islamorada, Florida. Project Engineer.** Amec Foster Wheeler 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 technologies to be 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. Amec Foster Wheeler initially assisted Monroe County in selecting the top ranked list of demonstration canals to be included in the program. Amec Foster Wheeler is obtaining all required permits, including a SFWMD ERP, a USACE individual permit, and a Florida National Marine Sanctuary permit. Amec Foster Wheeler is also working with the Canal Restoration Advisory Subcommittee to develop a streamlined permitting process for the restorations. As part of the design scope, Amec Foster Wheeler is completing all required environmental surveys, bathymetric and topographic surveys, sediment characterization, geotechnical evaluations, and hydraulic modeling. Amec Foster Wheeler is also coordinating all homeowner approvals for staging areas and equipment installation.

**Albritton Wetland Restoration, U.S. Department of Agriculture/Natural Resources Conservation Service, Okeechobee, Florida. Project Engineer.** Assisted with the design of the restoration system and construction drawings. Prepare permit applications, technical specifications, operation and maintenance plan, quality assurance plan, and bid specifications. Developed a conservation plan that identified how wetland functions and values will be restored, enhanced, protected, maintained, and managed to accomplish the goals of the USDA NRCS WRP. The plans were modeled to evaluate the effectiveness of the restoration elements in terms of long-term hydrologic restoration using the USDA-NRCS developed Soil Plant-Air-Water (SPAW) and Interconnected Channel and Pond Routing (ICPR) model. The models development included delineation of sub basins, spillway elevations, seepage rates, upstream/downstream relationships, and other applicable parameters for the model. The model outputs are used to develop inundation and depth maps depicting the extent and duration of the modeled hydrologic improvements. Project efforts include assessment of the general health and condition of the various habitats, identification of the presence of exotic and invasive species, and evaluation of current site hydrology. Project goals include development of conservation plan for the restoration of historical habitats, based on proper hydrology and vegetation community structure.

**Ichetucknee Trace Mining Reclamation and State Park Design, Florida Department of Environmental Protection, Lake City, Florida. Project Engineer.** Responsible for the civil design of the infrastructure of the recreational park which included the stormwater system, on-site septic system, and potable water system. The purpose of this project is to design and permit the Ichetucknee Recreational Facility, which includes a swim beach, fishing platforms, boat ramp, trails, restroom facilities, maintenance building, entrance roadway with gatehouse, and a dive platform with loading area. The project area, which is approximately 660-acres, proposed for the facility is located within Columbia County in Sections 16, 17, 20, and 21, Township 5 South, and Range 16 East.

# Santiago Jimenez, AIA, LEED AP

## Project Manager/Senior Architect



### Relevant projects

- ▶ Miami Gardens Municipal Complex
- ▶ Ives Estates Park Youth Ballfield
- ▶ Trail Glades Park

### Core skills

Design development, code and zoning compliance, specifications, construction documents, bidding assistance, and shop drawing

### Education

Master of Architecture,  
Suburb and Town Design,  
University of Miami, 2006

Bachelor of Arts, Architecture,  
Cristobal Colon University,  
Veracruz, Mexico, 1995

### Professional summary

Mr. Santiago Jimenez is a licensed architect with more than 20 years of experience as a project manager and architect for large-scale cruise terminals, commercial, industrial, recreational, and institutional projects. He has extensive experience in managing projects, developing contract documents, and on-site construction observation.

As a project manager, he has been responsible for all phases of design and construction, including design development, code and zoning compliance, specifications, construction documents, bidding assistance, and shop drawings, as well as review and construction administration for large-scale transportation, commercial, institutional, and industrial projects. As an architectural group leader, he has also been responsible for the supervision of personnel and financial and resources management.

Mr. Jimenez's project experience includes an aquatic park, trails, gun range, zoo facilities, and site improvements for the Miami-Dade County Parks Department; government facilities for the City of Miami Gardens, as well as numerous projects for port and marine facilities. He has provided design and construction services for several state-of-the-art cruise ship terminals, including the Port of Miami and other major seaports in the United States and internationally.

### Representative projects

**Miami Gardens Municipal Complex, Miami, Florida. Project Manager.** Provided design services and construction document preparation for the new municipal complex in the City of Miami Gardens. The project included a city hall, police building, and a multi-story parking garage. The project incorporates sustainable design and state-of-the-art green technology to achieve a LEED Platinum certification by the USGBC. The work was scheduled for completion in phases with Phases 1 demolition completed in October 2011. The construction budget was \$39 million and work was completed in fall 2013.

**Ives Estates Park Youth Ballfield, Miami-Dade Parks and Recreation Department, Miami, Florida. Project Manager.** Provided complete architectural services for a 3,000-square-foot recreational facility, which included meeting rooms, offices, restrooms, and a snack bar. A lighted parking lot for 437 vehicles, two lighted and irrigated baseball fields, an irrigated soccer field, and storage for both athletic equipment and scooters were also included in this project. A gas methane mitigation and management system was implemented since the property is located on a former landfill.

**Trail Glades Park, Miami-Dade County Parks and Recreation Department, Miami, Florida. Project Manager.** The project included the restoration and improvement of an existing shooting facility in western Miami-Dade County. The project's scope included environmental clean-up, environmental permits, design upgrades to existing ranges, development of new ranges and club house, new RV parking, and upgrades to existing parking facilities to make

### Professional qualifications/registration(s)

Registered Architect, Florida  
No. AR94369

Licensed Architect, Mexico  
LEED Professional  
Accreditation

### Experience

Amec Foster Wheeler: 2014  
Industry: 1996

### Memberships/affiliations

American Institute of  
Architects  
U.S. Green Building Council

Continued.

the site handicap accessible. The work was completed in phases with Phase I successfully completed on schedule in winter 2010. Phase II was completed in spring 2013. Services included design development, construction documents, permitting, and architectural and engineering construction administration for the project. As part of the construction administration services, also coordinated and monitored the design work with the construction contractors, responded to RFI, reviewed shop drawings, and reviewed payment requisitions.

**Muvico Theater Parking Garage, Boca Raton, Florida. Project Manager.** Provided construction documents for a two-story, 103,000-square-foot parking garage capable of accommodating 575 vehicles. The design featured pre-cast and pre-stressed concrete and was designed to complement the Moorish theme of the complex.

**Parking Garage for Cruise Terminal 8 and 9, Port of Miami, Florida. Project Manager.** Provided design development, including drawings and specifications, for a design-build parking facility. The parking facility will accommodate 1,600 vehicles within four levels, including an adjacent surface parking lot for tall vehicles.

**Zoo Miami Improvements, Miami-Dade County Parks and Recreation Department, Miami, Florida. Project Manager.** Provided design services to implement zoo-wide improvements and master plan recommended expansion for the new "Florida Exhibit." The scope of services included professional architectural and engineering services, such as civil, structural, mechanical/plumbing, electrical, landscape, and interpretive design services. Services also included programming, schematic design, design development, construction document development, construction administration, and bidding and award assistance. The construction budget is \$34 million and construction is scheduled for completion by spring 2015.

**Amelia Earhart Park, Aquatic Complex and Park Improvements, Miami Dade County Parks and Recreation Department, Miami, Florida. Project Manager.** The work includes the review and coordination of environmental, ecological, and archaeological services to develop the property into a family-orientated water-park and mountain bike facility. The proposed facilities include a water park with lazy river; water splash area; water slides; wave pool with supporting locker/restrooms; administration areas; concession areas; and a mountain bike facility. The construction budget is \$8 million and construction work is scheduled for completion by fall 2014.

**North Trail Park, Miami-Dade Parks and Recreation Department Miami, Florida. Project Manager.** Completed architectural services for a 4,450-square-foot recreational facility, which included multipurpose rooms, a game room, an arts and crafts room, offices, a restroom, and a kitchen. Storage for athletic equipment was also designed.

**Bird Lakes Park, Miami-Dade Parks and Recreation Department, Miami, Florida. Project Manager.** Provided complete architectural services for a 3,000-square-foot, one-story recreation building that included a kitchen facility, snack bar, restrooms, meeting room, and mechanical and storage areas, as well as a lighted parking lot and a 800-square-foot covered open area.

**Eureka Villas Park, Miami-Dade Parks and Recreation Department Miami, Florida. Project Manager.** Provided complete architectural services for a 3,000-square-foot, one-story recreation building that included a kitchen facility, snack bar, restrooms, meeting room, and mechanical and storage areas, as well as a lighted parking lot and a 800-square-foot covered open area.

**U.S. Postal Service Roof Replacement Program, Various Sites, Florida. Project Manager.** Performed a comprehensive roof condition assessment for 35 facilities in Florida and New York state. Provided recommendations for roof repair and replacement including life cycle cost analysis, energy calculations and wind calculations. Prepared procurement documents including drawings, specifications and cost estimate. Scope of work included bid assistance, construction administration and construction observation. Provided drawings for partial or total demolition of the roofing system.

**U.S. Postal Service Site Improvements Projects, Various Sites Florida. Project Manager.** Performed a site investigation of the parking lots conditions on 12 USPS facilities across the country. Provided recommendations, life cycle cost analysis and design including drawings and specifications for pavement replacement, repairs and site improvements. The project also included partial or total demolition of the existing pavement. Performed bid assistance and construction administration for these projects.



# Armando Hernandez, PE, CCM, SI

## QA/QC Advisor



### Relevant projects

- ▶ Collier County Facilities Management Program
- ▶ Broward County Ravenswood Bus Maintenance Facility
- ▶ U.S. Southern Command Headquarters

### Core skills

Construction project management, engineering, construction, operations and maintenance of complex technical projects, design, inspection, and QA/QC

### Professional summary

Mr. Armando Hernandez has more than 35 years experience in construction project management and engineering of complex technical projects in the power, pharmaceutical, industrial, transit, commercial, hospital, water and wastewater treatment, and infrastructure markets. As a Senior Principal Civil/Structural Engineer and Project Manager, he has directed home and field offices providing construction services. His professional background includes the design, project engineering, and inspection of nuclear and fossil fuel power plants, buildings and tunnels, owner representative of major hospitals, pharmaceutical, medical and banking institutions, and the QA/QC and inspection of treatment plants, airports, bridges, and roadways. He is a licensed Special Inspector of Threshold Buildings in Florida.

### Representative projects

**Facilities Management Program, Collier County Public Utilities Department, Florida. Senior Engineer.** Evaluating the civil, structural, roofing, mechanical, electrical and plumbing condition of more than 60 water and waste water treatment plant facilities and master pumping stations.

**Ravenswood Bus Maintenance Facility, Broward County, Florida. Associate Project Manager.** Responsible for the construction field administration, construction materials testing, commissioning and threshold inspection a phased construction of a precast concrete and masonry multi-story vehicular garage, fuel and wash and operations center as well as a new bus maintenance steel and tilt-up concrete structure.

**U.S. Southern Command Headquarters, U.S. Army Corps of Engineers, Florida. Senior Program Manager.** Led project office for this \$280-million design/build military installation representing the USACE consisting of project managers, multidiscipline engineers, estimators, scheduler, inspectors, and administration. Managed design coordination; QA; submittal, schedule, change order, and invoice review; monitored construction meetings, safety, contractor QC, testing, commissioning, user training, permitting, obtaining Silver LEED Certification, coordination with city and county officials; and trained USACE personnel. The 55-acre, 630,000-square-foot facility featured site antiterrorist measures, progressive collapse prevention, resistance to 185 mph gust wind loads, advance data and communications; tilt-up, steel, prefab and roadway construction; and post construction plant operations and maintenance. Amec Foster Wheeler received the ASCE Miami-Dade Project of the Year Award; achieved over \$3 million in cost avoidance for the government and completed the construction in an aggressive 27-month schedule.

**Property Condition Assessment, Executive Park Court Building 100, EdgeConnex Jacksonville Holdings, Jacksonville, Florida. Associate Engineer.** Evaluating the civil, structural, roofing, mechanical, electrical and plumbing condition of a 42,000 sq. ft. property on 2.3 acres with surface parking and drive lanes; included a cost estimate of replacement reserve expenditures.



### Education

Master of Business Administration, Fairleigh Dickinson University, 1982  
Bachelor of Civil Engineering, Manhattan College, 1976

### Professional qualifications/registration(s)

Special Inspector of Threshold Buildings, Florida No. 7392809  
Professional Engineer, Florida No. 63211, Puerto Rico No. 12103  
CMAA Certified Construction Manager

### Certification and training

FDOT Certified CTQP Asphalt Paving I and II  
FDOT Certified CTQP QC Manager  
FDOT Advanced MOT  
OSHA 30 Hour Construction Safety and Health  
American Red Cross CPR and First Aid Certified

### Experience

Amec Foster Wheeler: 2002  
Industry: 1976

### Professional affiliations

American Society of Civil Engineers  
Chi Epsilon (Engineering Honorary Society)  
Association of Engineers and Surveyors of Puerto Rico  
Construction Management Association of America

Continued.

**Wilshire Drive Bridge Improvement, City of Orlando, Orlando, Florida. Structural Engineer.** Leading design of headwalls and flowable filling of the void to be left between the bridge deck and the proposed prefabricated culverts. Design requires the backs and sequential layers of flowable fill to limit stresses on culverts.

**Fort Lauderdale-Hollywood International Airport Expansion of Runway 9R-27L, Broward County Aviation Department/Parsons Transportation Group, Florida. Construction Project Manager and Quality Assurance/Quality Control Manager.** Responsible for the construction project engineering, quality assurance, owner's materials testing lab oversight, and environmental compliance for this \$800-million FAA runway and aircraft bridge program. Features include 64-foot-high MSE walls containing six million cubic yards fill, surcharging, dynamic compaction, and geotechnical instrumentation, and FDOT roadways and bridges. This project is the largest in Broward County history and received the ASCE Broward Project of the Year Award.

**U.S. I-595 Construction Materials Testing and Inspection, Dragados USA/Florida Department of Transportation, Florida. Senior Structural Engineer.** Performed QC inspections of 380-foot multi-span concrete bridge decks on prestressed girders and their abutments. Supervised deck screed clearance demonstrations, performed bridge deflection analyses, and monitored concrete placements. Five-year FDOT project with fees of \$6,702,425 involving the construction of three miles of HOT lanes and more than 53 bridges.

**South Terminal Expansion Program, Miami-Dade Aviation Department, Florida. Quality Assurance/Quality Control Supervisor.** Developed and managed a multidiscipline team of QA/QC inspectors and testing technicians during the \$830-million, six-year construction program. Managed inspectors located at off-site concrete and steel fabrication plants. Work included a new terminal and concourse, taxiway and apron, baggage handling systems, passenger loading bridges, jet fuel systems, roofing, building envelope, structural steel and welding, auger cast piles, roadways, and secured entrance gates. Renovation of Concourse H tie-in.

**Feasibility Study of Load Testing the Central Base Aircraft/Vehicular Bridges, Miami-Dade County Aviation Department, Florida. Project Manager.** Collaborated with Principal Structural Engineer to develop project criteria, evaluate existing drawings, conduct site visits, and prepare cost estimates. Responsible for RFP and feasibility study to load test two 25-foot clear span bridges, 99 feet and 82 feet wide, measuring stress and deflections with stress gages and other surveying instruments.

**Hampton Inn & Suites, OTO Development, LLC, Florida. Principal Engineer.** Oversaw the construction materials testing and threshold inspection services for this five-story 62,500-square-foot hotel with outdoor swimming pool. Services included observation and lab testing of soils, concrete masonry, structural steel, sheathing, and roofing inspections. Served as Special Inspector of Threshold Buildings, overseeing the onsite inspector and reviewing materials testing activities and results.

**Spring Hill and Homewood Suites Hotels, OTO Development, LLC, Florida. Principal Engineer.** Oversaw the construction materials testing and threshold inspection services for development of two five-story 96,000-square-foot hotels. Services included testing of soils, asphalt pavement and concrete masonry and monitoring of fire walls, roofing, and sheathing. Served as Special Inspector of Threshold Buildings, overseeing the onsite inspector and reviewing materials testing activities and results.

**Clifford O. Taylor/ Kirklane Elementary School Phase I, Palm Beach County School District, Florida. Principal Engineer.** Provided CMT and inspections oversight for phase I construction of new 172, 130-square-foot elementary school classroom facility to replace older facility. Provided civil/structural technical support for the CMT and inspection of this new school facility.

**Judicial Center Plans Review, Scotia Bank, Puerto Rico. Senior Civil/Structural Engineer.** Reviewed civil, architectural, mechanical, and electrical construction drawings prepared by another A/E of a \$28-million judicial building center for code compliance. Prepared report for Scotia Bank who was providing construction loan to Roig Development.

## Zully Hemeyer

### Local Liaison



#### Relevant projects

- ▶ City of Marathon Wastewater and Stormwater Departments
- ▶ Village of Islamorada Public Works and Utilities
- ▶ City of Coral Gables Public Works

#### Core skills

High level of proficiency in research, data analysis, technical writing, financial reporting, and budget development

#### Professional summary

With more than 25 years of experience, Ms. Zully Kathleen Hemeyer has managed various types of projects and contracts from concept to funding and program development through design and construction close-out. Ms. Hemeyer possesses a high level of proficiency in research, data analysis, technical writing, financial reporting, and budget development. As a resident of the Florida Keys for more than 17 years, her local knowledge, diligence, and care in handling customer service as relates to projects benefits the Amec Foster Wheeler team, as well as the clients she serves in the region. Ms. Hemeyer participates in numerous local community groups, including Mentor Monroe County Schools and Beautification Islamorada. She also is a volunteer firefighter with the Village of Islamorada Fire Department. She has received numerous awards and recognition for her work, including Environmental Project of the Year for the Village of Islamorada Indian Key Fill Stormwater Project.

#### Representative projects

**Wastewater and Stormwater Departments, City of Marathon, Florida. Utility Manager.** Administered construction completion for the City's wastewater system and system start-ups; supervised operations and maintenance for wastewater and stormwater utilities, including building department staff; and provided training and evaluation, customer service and budget preparation and reporting.

**Public Works and Utilities, Village of Islamorada, Florida. Assistant Director of Public Works and Utilities.** Responsible for maintenance and improvements for municipal rights-of-way, buildings, and grounds, including supervising staff, managing contracts, customer service and budget preparation and reporting. Obtained more than \$3 million in grant funds for wastewater, stormwater, canal and park improvement project, a Community Development Block Grant and \$2 million in grant funding for lands acquisition to create three municipal parks, including writing the maintenance and inspection programs for each. Project included the following:

- ▶ Emergency Management Preparation and Response including Debris Removal
- ▶ Anne's Beach Boardwalk Retrofit
- ▶ Plantation Hammock Preserve Kayak/Canoe Launch
- ▶ Old Highway Stormwater Paving and Drainage Project
- ▶ Lower Matecumbe Key Fire Station 19
- ▶ Green Turtle Hammock Park Improvement Project
- ▶ Lower Matecumbe Key Stormwater
- ▶ Indian Key Fill Stormwater and Bikepath Demonstration Project
- ▶ Annual Roadway Improvement and Maintenance Program
- ▶ Stormwater Management Master Plan

**Public Works, City of Coral Gables, Florida. Administrative Supervisor.** Supervised clerical staff for public works department performing customer service, payroll, grants preparation, downtown maintenance program, emergency management, employee training, appraisals and recognition program, and budget preparation and reporting.



#### Education

Bachelors in Public Administration, Florida International University

Masters in Business Administration, Construction Management, Everglades University, in-process

#### Professional qualifications/registration(s)

Wastewater Plant Operator Class C, license No. 0022972

Certified Stormwater Operations Inspector

Certified Advanced Maintenance of Traffic

#### Experience

Amec Foster Wheeler: 2016  
Industry: 1999

#### Memberships/affiliations

Construction Management Association of America

Florida Water & Pollution Control Operators Association, South Florida Chapter

American Public Works Association, South Florida Branch

American Public Works Association, Florida Chapter

American Water Works Association

American Society of Public Administration



# James Santiago, RLA

## Landscape Architecture



### Relevant projects

- ▶ Young Circle Arts Park
- ▶ The Cleveland Clinic
- ▶ Zoo Miami Florida Exhibit and New Entrance

### Core skills

Planning, landscape and irrigation design, landscape and creative water use systems, roadway and park landscape design

### Education

Bachelor of Landscape Architecture, Louisiana State University, 1978

Bachelor of Architecture, University of Kentucky, 1975

Bachelor of Arts, Speech and Theater Arts, Georgetown College, 1973

**Professional qualifications/registration(s)**  
Landscape Architect, Florida No. 0000795

### Experience

Amec Foster Wheeler: 2012  
Industry: 1978

### Professional summary

Mr. James Santiago has more than 39 years experience in planning and landscape and irrigation design that includes working in both the public and private sectors. He has designed significant projects for Florida Atlantic and Florida International Universities, where he has completed four major LEED-based projects, including projects for the FAU School of Engineering and the College of Arts and Sciences. These projects consisted of not only planning, but landscape and creative water use systems. Recently, Mr. Santiago completed planning and design work for three major South Florida hospitals, spanning more than 30 acres each.

In addition, Mr. Santiago has extensive experience in park and roadway design, and he recently completed the redesign for several unique landmark recreational areas, including Amelia Earhart Park and the Trailglades Shooting Park in Miami, Florida, and Young Circle Park in Hollywood, Florida.

### Representative projects

**Young Circle Arts Park, Hollywood, Florida. Principal Landscape Architect.** This nationally recognized park consisted of the complete breakdown and reinvention of a highly used and well known park. The program consisted of the revisiting of the elements of the park and its adaptation to the current needs of the community which had become much younger in the last decade. Being an arts-themed park, major elements drawn from the artist's contribution also formed a framework for play areas, performance arts, and active recreation. Responsible for planning and programming as well as the design of the landscape and irrigation systems. Responsibilities focused on the community's needs, the artists' vision, and the historical nature of the area.

**The Cleveland Clinic, Weston, Florida. Landscape Architect.** Supported the design and installation of landscape and irrigation projects on this campus. Completed the design and construction administration services for the new Neurological Centre and the creation of new lots in the North East and Central core. Also established the documentation of all landscape on the site providing a base line for which the City can evaluate the progress of the campus on an ongoing basis. Extensive tree relocation and permitting was necessary and the establishment of a process with the City was essential to the project being done in the allotted time frame.

**Zoo Miami Florida Exhibit and New Entrance, Miami, Florida. Landscape Architect.** The project consisted of the reinvention of the entry areas and the new exhibit focusing on the wildlife of Florida. Tasks included site evaluation, tree permitting, irrigation and landscape design, and site planning of exterior pedestrian circulation.

**Amelia Earhart Park, Phase I, Miami Gardens, Florida. Landscape Architect.** This is an existing 100-acre park in Miami Gardens, Florida. Approximately 50% of the park had been previously developed and the task was to program the future development of the park and

Continued.

develop a budget for these future phases. It was determined that a water park would also be added to the program for immediate construction. Developed plans for the perimeter and entry revisions as well as development of irrigation water sources, which would accommodate the future expansions. Developed concepts for directional and information signage.

**American High School (Phase I), Miami, Florida. Landscape Architect.** This project included the complete revitalization of the campus, including parking lots, playing fields, and main buildings. Tasks included tree removal and permitting for more than 200 trees as well as the redesign of all landscape and irrigation systems.

**Coral Springs Tennis Center, City of Coral Springs, Florida. Principal Landscape Architect.** The project's purpose was to work with the City and their design staff to establish a concept for design and construction services for this professionally used complex. Also established the design for the lighting and irrigation systems.

**Cleveland Clinic Parking Addition, Weston, Florida. Landscape Architect.** This campus located in Weston, Florida, includes a 150-bed facility on a 40-acre campus. Instrumental in the ongoing expansion for the campus since it was created. Services included reconfiguring the existing parking area and relocating the nuclear medicine facilities.

**Downtown Mangrove Park, Florida. Principal Landscape Architect.** The project included a park located within a tidal pool that contained mature mangroves. The scope of services included the evaluation of the site and existing irrigation systems. As a qualified mangrove specialist, oversaw the parameters established for the care and maintenance of the mangroves within the project area. The park's facilities included pathways, meeting rooms, and nature conservancy areas.

**Crystal Lake Country Club/Clubhouse, Deerfield Beach, Florida. Principal Landscape Architect.** This project, located in Deerfield Beach, Florida, entailed the demolition of a long standing building to accommodate a new clubhouse facility better suited to the current group using the golf course. Work included the inventory of the landscape and irrigation system (which was derived from the main golf course system). Other duties included the permitting of tree removals, water use permitting, and the redesign of the pathways and landscape lighting. The clubhouse is now open and the project met the expectations of the members and the owners.

**DeLevoe Park and Meeting Center, Florida. Principal Landscape Architect.** Located on approximately 12 acres, DeLevoe Park and Meeting Center was the revitalization of a park that was not fully utilized. Funds were secured to add a meeting/recreation center as well as outdoor activities and additional parking and pathways. With an already mature canopy in much of the park and a small body of water next to the proposed building, the project included enhancing the views from the water's edge and at the same time locating the outdoor amenities so as to shield the waterfront from the parking areas. Security was of great importance in this park since many young children would be using this facility during summer breaks. Safety from vandalism and the danger of the interaction between the water and the children was achieved through the creative design of the fence, lighting, and the placement of the building. This facility is used for community meetings, annual holiday gatherings, and summer camp.

**Franklin Park Pathway, Broward County, Florida. Principal Landscape Architect.** This project consisted of a 5-acre arts park whose elements were to be coordinated with the need for a healthful and meaningful environment. The scope included the coordination of the physical and artistic facets, including the environmental evaluation and the hardscape supporting the artistic elements. The artist's desire to use the actual pathway as the framework of his expression required coordinating the artist's forms with the physical characteristics of the park's central pathway and landscape.

**Mel Reese Golf Training Center, Miami, Florida. Principal Landscape Architect.** Located in the Doral area of Miami, this center replaced an aging facility which housed training space and the cart and club storage for the golf course. The task was to evaluate the site for the location of the new building and then develop landscape and irrigation plans. Since the existing landscape was to be removed, permitting for that task was also secured. Secured the required permitting and prepared mitigation plans. The building was built to LEED Silver standards and particular attention was given to the native materials and irrigation efficiency. Since the existing golf facility used well water, efficiencies were met by utilizing low gallonage heads.

**Terminal 4 Port Everglades, Fort Lauderdale, Florida. Landscape Architect.** The project was to revise an existing building adjacent to the Convention Center, into a major entry point into the port. The exterior landscape of the Convention Center was to be respected and all new landscape for a newly established parking and entry drive enhanced. Our tasks included site evaluation, tree permitting, irrigation and landscape design (LEED certified), and site planning of exterior pedestrian spaces.

# Charles A. Phillips, ASLA, LEED AP

## Landscape Architecture



### Relevant projects

- ▶ Miami-Dade County Public Schools TT-1 Overlook Design, Homestead, Florida
- ▶ South Florida National Cemetery
- ▶ Terra Ceia Preserve State Park

### Core skills

Planning, landscape and irrigation design, landscape and creative water use systems, roadway and park landscape design

### Professional summary

Mr. Charles Phillips has more than 35 years of landscape architectural experience. Mr. Phillips has used his expertise to provide recreational opportunities to meet a wide variety of needs in parks ranging in size from passive parks to regional sports facilities. Additional open space projects that he has been involved in include the preparation of master plans and construction documents for veteran and private sector cemeteries. Throughout his career, he has actively been involved in the interaction with various government personnel and the public.

### Representative projects

**Miami-Dade County Public Schools TT-1 Overlook Design, Homestead, Florida. Landscape Architect.** Prepared the overall design and construction documents for this boardwalk/overlook component of the wetland mitigation project associated with the development of the school. Responsible for developing the design concept, preparing hardscape details that included interpretive signage, and coordinating this work with that of the structural engineer.

**South Florida National Cemetery, Lake Worth, Florida. Landscape Architect/Project Manager.** Prepared construction documents and provided construction period services for the expansion of the cemetery. Components included burial areas, a columbarium, and the relocation of a pre-engineered metal building. The project required permitting with the South Florida Water Management District and the Florida State Historic Preservation Office.

**Terra Ceia Preserve State Park, Tampa Bay Florida. Landscape Architect.** As part of the restoration of this marshland, the Florida Department of Environmental Protection hired Amec Foster Wheeler to design a new boat ramp and canoe launch to replace a make shift facility used by local residents. The design utilizes pervious pavement and a central water quality pond to minimize the impact of the project, while providing access for birdwatchers and fishermen into the area.

**Lake Conine Park – Winter Haven, Florida. Landscape Architect.** The project goals were to restore the natural character of the wetland area, manage stormwater quality and provide recreation opportunities for the citizens of Winter Haven. In addition to fishing, walking, jogging, bicycling, bird-watching, picnicking and children's play activities, the park will also facilitate up to 2 miles of kayaking within the restored wetland areas. Coordinated the development of recreational opportunities within the constraints of the hydrological requirements.

**Matt Community Park Master Plan, Phase 1 Construction Documents and Construction Administration, Forsyth County Georgia. Project Manager/Landscape Architect.** Master planning, site engineering, and landscape architecture services for this 184-acre athletic park facility. The proposed improvements include four baseball fields with associated concessions buildings, tennis facility, four multi-purpose soccer fields with associated

### Education

Bachelor of Landscape Architecture, University of Arkansas, 1981

### Professional qualifications/registration(s)

Landscape Architect, Florida No. 0000956, Georgia No. 769, South Carolina No. 1018, Arkansas No. 332, Pennsylvania No. 2794, North Carolina No. 1482, Virginia No. 501

LEED Accredited Professional, No. 10223253

### Experience

Amec Foster Wheeler: 2007  
Industry: 1981



Continued.

concessions buildings, a maintenance facility, natural amphitheater, library, and senior center. Several miles of walking trails are planned to meander through the site, providing access to multiple natural overlooks.

**City of Albany - Dougherty County Radium Springs Botanical Gardens Park Master Planning and Design Services, Albany, Georgia. Project Manager.** Master Planning and Phase 1 landscape/hardscape design services, permitting and construction administration for development of 5-acre municipal park at this historic facility and site of largest natural spring in the state. Historic structure destroyed during heavy flooding in 1990s. New botanical garden designed within the ruins of the former resort. New facilities include flood-resistant restroom facilities, pedestrian trails/walkways, and parking area.

**City of Albany Engineering Department Gordon Sports Complex Renovation Construction Documents, Albany, Georgia. Project Manager.** Construction documents for master planned renovation of, and improvements to, sports complex with five softball and general sports fields (300 feet each in diameter), picnic facilities and parking area. Construction services included site grading, stormwater drainage, asphalt paving, curbs and gutters, sanitary sewers, walkways, field lighting and fencing, landscaping, and facility renovation. Responsible for overseeing project activities, managing resources, and addressing project issues as needed.

**Deerfield Trail Phase 2, Kennesaw, Georgia. Project Manager.** Design services for Phase 2 development of 3,000 feet of this community trail. Topographic and boundary surveys performed along with title and deed verification; design services included initial design analysis, development of drawings and erosion/sediment control plan, and permitting services. Coordinated the survey work for the extension of the trail.

**Croom Motorcycle Area RV Campground Master Planning, Brooksville, Florida. Landscape Architect.** Master Planning for the development of 50-unit RV campground area within 2,600-acre Croom Motorcycle Area of Withlacoochee State Forest in Hernando County. Responsible for developing the master plan for the campground within a popular ATV-use area managed by the Division of Forestry, and coordinating design with the civil engineers investigating alternative utility service options.

**Lions Club Park Recreational Facility Design, Lilburn, Georgia. Project Manager.** Construction documents for this 81-acre active recreational facility, including five lighted baseball fields, picnic area, playgrounds, boardwalks, and trails. Tasks included surveying; floodplain and Federal Emergency Management Agency (FEMA) study; FEMA permitting, streambank restoration; architectural plans; sustainable design site engineering; grading, drainage, and hydrology; wetland permitting; irrigation; cost estimating; and construction administration.

**City of Kennesaw Plaza Main Street Concept, Kennesaw, Georgia. Project Manager.** Development of a plaza master plan to link the new, pedestrian underpass to Main Street and the sidewalk system. Responsible for keeping task on schedule and on budget, reviewing conceptual and final design, and invoicing.

# Ronald R. Huffman, ASLA, AICP

## Landscape Architecture



### Relevant projects

- ▶ Jupiter Inlet Trail and Viewing Platform
- ▶ Florida Polytechnic State University Master Plan and Master Plan Update
- ▶ Augusta Riverwalk Master Plan

### Core skills

Planning, landscape design, roadway and park landscape design, historic preservation/restoration, historic markers, and environmental design

### Professional summary

Mr. Ronald Huffman is a licensed Landscape Architect and Certified Planner that brings 32 years of award-winning planning and design experience to Amec Foster Wheeler. He has completed more than 550 master planning and design projects during his career in 30 states and three foreign countries. His teams have completed more than 200 parks and recreation projects in the Southeast and Midwest in the past 10 years. Projects he has managed have been the recipient of 45 professional planning and design awards. He also received recognition by the Georgia Planning Association for Distinguished Achievement in Planning.

### Representative projects

**Jupiter Inlet Trail and Viewing Platform, Florida. Project Principal.** Development of a trail through a mangrove swamp and a viewing platform overlooking the inter-coastal waterway. Trail amenities included bike racks, information kiosk, and porous parking. The porous parking utilized crushed coquina shell within a Geoweb cellular confinement system.

**Florida Polytechnic State University Master Plan and Master Plan Update, Lakeland, Florida. Principal-in-Charge.** Project included the update of the University's long range plan. The update process included facilitation of a series of programming and visioning meetings with faculty and administrative staff.

**Augusta Riverwalk Master Plan, Georgia. Lead Principal.** Selected by the Augusta Downtown development Authority to prepare a plan for the renovation and expansion of the existing 4,000-linear-foot riverfront/levee walkway. The focus of the master plan was on extending the Riverwalk to the north and south and developing linkages to the Savannah River and the downtown area along adjacent streets. The plan extended the Riverwalk an additional 2,400 linear feet and included recommendations for gateways and signage.

**Orange Park Aquatic Center, Atlanta, Georgia. Lead Principal.** Provided master planning and landscape design for a new aquatic center in a historic City of Atlanta Park. The design featured unique memorial stone walls, granite seat walls, native landscape planting and a rain garden to catch and treat stormwater. Services were provided in collaboration with LDDI Architects.

**Atlanta Beltline Eastside Trail, Georgia. Lead Principal.** Assisted the design and engineering team in the development of the first major section of Atlanta's highly acclaimed 22 mile Beltline Trail. Work included trail design, sculpture, wall murals, utility relocation, and bridge rehabilitation. The project was an EPA and ACEC Engineering Award Winner.

**The Emiquon Preserve Master Plan and Site Design for Visitor Facilities, Illinois. Lead Principal.** Led the design and master planning team for an award winning 3,000-acre Nature Preserve along the Illinois River. The team developed a master plan that featured braided roads, walkways, trails, boardwalks and interpretive pavilions. Project was an ASLA Award Winner.

### Education

Master of Community Planning, Auburn University, School of Architecture and Fine Arts, 1984

Master of Arts, History, with a concentration in Historic Preservation, Auburn University, College of Liberal Arts, 1984

Bachelor of Landscape Architecture, Auburn University, School of Architecture and Fine Arts, 1983

### Professional qualifications/registration(s)

Landscape Architect, Georgia No. 805

American Institute of Certified Planners, No. 7023

### Experience

Amec Foster Wheeler: 2004

Industry: 1984

### Memberships/affiliations

American Institute of Certified Planners

American Planning Association

Georgia Planning Association



amec  
foster  
wheeler

## Gregg W. Hudspeth, ASLA, LEED AP BD+C

### Landscape Architecture



#### Relevant projects

- ▶ Neiman Marcus
- ▶ Carolina Preserve at Amberly
- ▶ North Village Apartments

#### Core skills

Community master planning, student housing, senior housing, military housing, retail, golf clubhouses, churches, and resort hotels

#### Education

Bachelor of Landscape Architecture, Texas Tech University, 1982

#### Professional qualifications/registration(s)

Landscape Architect, Florida No. 1584

LEED AP BD+C

#### Certifications and training

Congress for the New Urbanism - Accredited

#### Experience

Amec Foster Wheeler: 2016

Industry: 1983

#### Memberships/affiliations

American Society of Landscape Architects  
CLARB

#### Professional summary

Mr. Gregg Hudspeth is a professional landscape architect that brings 34 years of design experience to Amec Foster Wheeler. Licensed in five states, his career has led him through 23 states and five foreign countries. Before joining Amec Foster Wheeler, Mr. Hudspeth spent three years in China performing construction administration at Shanghai Disneyland.

#### Representative projects

**Neiman Marcus, Orlando, Tampa, and Coral Gables, Florida. Landscape Architect.** Hardscape and planting design for three Neiman Marcus stores at the Mall at Millenia (Orlando), International Plaza (Tampa), and the Village at Merritt Park (Coral Gables). Features included the main customer entrance and porte-cochere, a secondary customer entrance, an employee break area, and the loading/delivery area. In the case of Coral Gables, an outdoor plaza with fountains was created between the store and parking structure.

**Carolina Preserve at Amberly, Cary, North Carolina. Site Planner/Landscape Architect.** Carolina Preserve is a Del Webb senior community of 1,360 homes. Designed the main community entrance, the model home park, the parking lot, and all amenities around the 18,000-square-foot community clubhouse, including the outdoor pool, bocce courts, putting green, and tennis courts.

**North Village Apartments, Gables Residential, Celebration, Florida. Site Planner.** A 374-unit apartment community set within the North Village (2nd phase) of Celebration. Closely following the New Urbanist community's architectural code, the design includes a pool, landscaped courtyards, a playground, and a car care center.

**The Slammer and the Squire Golf Clubhouse, The King and the Bear Golf Clubhouse, Scratch Golf Company, St. Augustine, Florida. Site Planner/Landscape Architect.** Working closely with the golf course architects, the design for these two clubhouses at the World Golf Village included the parking lot, golf cart circulation, grading, and landscape design. The World Golf Village is a 6,300-acre resort development with 2,775 acres set aside as a nature preserve, including 800 acres of uplands filled with local flora and fauna.

**Sanctuary Bay Master Plan, Medallist Development, Lake Powell, Florida. Master Planner.** Sanctuary Bay is a 734-acre residential community along the shores of Lake Powell with 13,500 feet of shoreline. Lake Powell is the largest coastal dune lake in the state and is a protected "Outstanding Florida Water" under FDEP. The lake has a distinctive aquatic ecosystem with fish species adapted to the unique environment of fresh and brackish water. 276 acres were designated as preserved wetlands and uplands or 36% of the property. At the core of the development is the Greg Norman-designed Shark's Tooth golf club, the only private course in Florida with Audubon Silver Sanctuary status. In 2007, Sanctuary Bay was purchased by the St. Joe Company and renamed Wild Heron.



# Robert M. Draper, RA

## Architecture



### Relevant projects

- ▶ Collier County Facilities Condition Assessment
- ▶ Village of Islamorada/Monroe County Wayfinding Sign Design
- ▶ City Hall and Police Headquarters Design-Bid-Build

### Core skills

Architecture, ADA compliance, construction documents, permitting, construction management, cost estimating, peer review, and architectural visualization

### Education

Bachelor of Architecture,  
Florida Atlantic University,  
2004

Bachelor of Architecture  
Design, Florida International  
University, 2002

### Professional summary

Mr. Robert Draper has more than 20 years of experience designing large-scale commercial, industrial, and public projects. He has extensive experience in developing construction documents, permitting, and on-site construction observation. Additionally, he has experience in construction management, cost estimating, peer review, and architectural visualization.

### Representative projects

**Facilities Condition Assessment, Collier County, Florida. Architect/Inspector.** Responsible for conducting an on-site condition assessment of 84 county facilities and providing a comprehensive condition report for each. These reports included cost estimates for major items deemed in poor to fair condition. Additionally, the reports included a photo log and description of all deficiencies and maintenance items. Duties included evaluation of the building envelope, plumbing, electrical, HVAC, structural integrity, and building finishes. The output provided information to the county that was used as a planning tool for short- and long-term maintenance budget requests and planning.

**Village of Islamorada/Monroe County Wayfinding Sign Design, Monroe County, Florida. Architect/Designer.** Provided study/design of a wayfinding signage that reduced signage clutter along U.S. 1 by developing an approach that recognizes the uniqueness of the corridor, provides identification for the communities, supports local businesses, and conveys important information to motorists and public at large, visual continuity between all elements: the portal signs for the north and the south ends of the scenic highway, gateway elements announcing arrival at the constituent communities, and directional signage for public amenities (boat launches, parks, shopping areas, etc.) and historical features.

**City Hall and Police Headquarters Design-Bid-Build, City of Miami Gardens, Florida. Architect.** Provided design and construction services, including document preparation for this new municipal complex. The project included a city hall, a police building, and a multi-story parking garage. Sustainable design and state-of-the-art green technology was incorporated to achieve a LEED Platinum certification by USGBC.

**Zoo Miami Improvements, Miami-Dade County Parks and Recreation Department, Miami, Florida. Architect.** Provided design services necessary to implement zoo-wide improvements and master plan recommendation expansion for the new "Florida Exhibit." The scope of services included professional architectural and engineering services, such as civil, structural, mechanical/plumbing, electrical, landscape, and interpretive design services. The project also included programming, schematic design, design development, construction document development, construction administration, bidding, and award.

### Professional qualifications/ registration(s)

Registered Architect, Florida  
No. AR96257

### Experience

Amec Foster Wheeler: 2016  
Industry: 1996

Continued.

**Pre-Trail Detention Center Kitchen Renovation Peer Review, Miami-Dade County Corrections Department, Miami, Florida. Architecture.** Project included a peer review of the architectural/engineering design for the detention center kitchen, loading dock, and courtyard. Duties included QA/QC and value engineering of the construction documents at various phases.

**Ives Estates Park Youth Ballfield, Miami-Dade County Parks and Recreation Department, Miami, Florida. Architect.** Provided complete architectural services for a 3,000-square-foot recreational facility, which included meeting rooms, offices, restrooms, and a snack bar. Also included in this project was a lighted parking lot for 437 vehicles; two lighted, irrigated baseball fields; an irrigated soccer field; and storage for both athletic equipment and scooters. A gas methane mitigation and management system was implemented since the property is located on a former landfill.

**Amelia Earhart Park, Aquatic Complex and Park Improvements, Miami-Dade County Parks and Recreation Department, Miami, Florida. Project Architect.** The project included the development of approximately 100 underutilized acres in the northern section of an existing park in the county park system. Work included the review and coordination of environmental, ecological, and archaeological services in the development of the property into a family-orientated water park and mountain bike facility.

**Dock Master Building at Pelican Harbor Marina, Miami, Florida. Architect.** Provided design development and construction documents for a two-story, 3,500-square-foot office building for the operations of the dock master's marina. The project included offices, a multipurpose room, a laundry, showers, and site improvements. The dock master building is the only building incorporated in this project and conforms to a streamline modern style of art deco.

**North Trail Park, Miami-Dade County Parks and Recreation Department, Miami, Florida. Architect.** Provided complete architectural services for a 4,450-square-foot recreational facility, which included multipurpose rooms, a game room, an arts and crafts room, offices, a restroom, and a kitchen. Storage for athletic equipment was also designed. Services included design development, construction documents, permitting, and construction administration for the project. As part of the construction administration service, the design work was coordinated and monitored with the construction contractors, as well as review of shop drawings and payment requisitions.

**Bird Lakes Park, Miami-Dade County Parks and Recreation Department, Miami, Florida. Architect.** Provided complete architectural services for a 3,000-square-foot, one-story recreation building. The building included a kitchen facility, a snack bar, restrooms, a meeting room, and mechanical and storage areas, as well as a lighted parking lot and an 800-square-foot covered open area.

**Eureka Villas Park, Miami-Dade County Parks and Recreation Department, Miami, Florida. Architect.** The project included complete architectural services for a 3,000-square-foot, one-story recreation building. The building included a kitchen facility, snack bar, restrooms, meeting room, mechanical and storage areas, as well as a lighted parking lot and 800-square-foot covered open area.

**Port of Miami Parking Garage for Cruise Terminal D, Miami, Florida. Architect.** Responsibilities included construction documents and permitting assistance for a four-story, 750-vehicle parking facility. The facility was designed with precast and pre-stressed concrete.

**North Dade Optimist Park, Miami Gardens, Florida. Architect.** Complete architectural services for a 2,700-square-foot recreational facility, which included meeting rooms, offices, restrooms, and a snack bar. The project also included a lighted parking lot for 114 vehicles; a lighted, irrigated football field; and a new perimeter fence.

**Snake Creek Trail Visual Rendering, Miami, Florida. Architect.** Services included the design of bicycle trail enhancements, including geometrical re-alignment of trail segments, sidewalk ramps, pavement markings, and regulatory signs. Duties included preparation of engineering plans, site details, sign data tables, and project specifications. Provided construction administration services, including supervision, technical inspection, project reports, and punch list.

**Biscayne Trail Visual Rendering, Miami, Florida. Architect.** Services included the design of bicycle trail enhancements, including geometrical re-alignment of trail segments, sidewalk ramps, pavement markings, and regulatory signs. Duties included preparation of engineering plans, site details, sign data tables, and project specifications. Construction administration services were also provided, including supervision, technical inspection, project reports, and punch list.

# John Scheckel, RA

## Architecture



### Relevant projects

- ▶ Sales and Service Facility, Milton Caterpillar
- ▶ Grand Avenue Pedestrian Bridge
- ▶ Roof Replacement Program, U.S. Postal Service

### Core skills

Marketing, project initiation, project design and development, production of contract documents, field administration, project coordination, design presentations, preparation and presentation of professional service proposals, client and consultant contract negotiation, and client relations

### Professional summary

Mr. John Scheckel, a Registered Architect, has more than 25 years of experience in the field of architecture and has shaped a diverse career that includes single and multi-family residential development, health care, commercial, interior renovation, industrial, and public education facilities projects. As a manager for the Amec Foster Wheeler Architecture team, Mr. Scheckel's duties include time management of the team, project assignments, quality control for the team, and business development. Prior to joining Amec Foster Wheeler, Mr. Scheckel served for several years as a member of the Zoning Board of Adjustment in his home town of Nutley, New Jersey. He also provided architectural expertise to an ad hoc committee in drafting a Historic Preservation Ordinance for the municipality. He has presented projects to various regulatory boards in many communities. His success with such boards is attributable to his ability to identify and address the challenges associated with zoning, planning, and historic preservation required to transform a vision into a reality.

Mr. Scheckel has a high level of technical and design expertise and strives for excellence in all of his work. His distinct background enables him to adapt quickly to diverse project types without hesitation. He is responsible for all aspects of architectural work including marketing, project initiation, project design and development, production of contract documents, field administration, project coordination, design presentations, preparation and presentation of professional service proposals, client and consultant contract negotiation and client relations.

Mr. Scheckel works as both a project architect and project manager on many projects and is Client Manager for a series of IDIQ projects with the U.S. Coast Guard and the U.S. Army Corps of Engineers (USACE) throughout the New England region.

### Representative projects

**Sales and Service Facility, Milton Caterpillar, Londonderry, Massachusetts. Project Manager.** Oversaw the design of a new 90,000-square-foot earth moving machinery sales and service facility. The project consisted of a multi-story building incorporating a dealership for equipment sales, a parts warehouse and sales area, specialized service areas for equipment repair and maintenance, engine and specialized parts repair, and a secondary building designed for the cleaning, repair and maintenance of additional specialized equipment and components.

**Grand Avenue Pedestrian Bridge, Colorado Department of Transportation, Glenwood Springs, Colorado. Project Manager.** Oversaw and developed the design for an elevator tower, stair, utility vault, and handrail for a new pedestrian bridge over the Colorado River, Highway 70, and railroad. Managed the A/E design team and provided technical leadership for the design and construction documents.

**Roof Replacement Program, U.S. Postal Service, Multiple Sites, Nationwide. Architect.** Oversaw the design team's efforts and staffing requirements for roof replacements at 43 USPS facilities. Supervised the completion of the concurrent projects occurring in different

### Education

Bachelor of Architecture,  
School of Architecture at New  
Jersey Institute of Technology,  
1983

### Professional qualifications/ registration(s)

Registered Architect, New  
Jersey, Maine, Pennsylvania,  
New York

### Experience

Amec Foster Wheeler: 2007  
Industry: 1991

### Memberships/affiliations

Portland Society for  
Architecture  
Technical Advisory Group  
Member for Maine Uniform  
Building and Energy Code  
Committee  
Director, Gray-New Gloucester  
Development Corporation



Continued.

phases of development over the course of one year. These projects are currently under construction with estimated completion of the last roof placement at the end of 2015.

**Repair and Alteration Program, Multiple Sites, Nationwide. Architect.** Oversaw and provided technical guidance for field investigation at multiple USPS sites. Assisted in the preparation of reports and development of alternatives and recommendations for repair and replacement projects including cost estimates, life cycle cost analyses.

**Code Study, Trenton Biogas, Trenton, New Jersey. Project Manager.** Amec Foster Wheeler prepared a code study of an existing sewage treatment plant in preparation for the plants re-use as a biogas processing plant. Amec Foster Wheeler reviewed the existing facility for life safety concerns, egress capacity and compliance, fire separation ratings and compliance, and general building use. The study identified elements of the existing facility were code compliant or required modification for compliance with current building Code. The study was based on the current State of NJ construction code including the International Building Code 2012.

**Relocation Study, De-Icing/Anti-Icing/LRS Facility Joint Base – McGuire-Fort Dix-Lakehurst, Lakehurst, New Jersey. Project Manager.** Amec Foster Wheeler prepared a report that evaluated the LRS function and space requirements, relocation of the De-Icing/Anti-Icing, adding a second De-Icing/Anti-Icing facility near the flightline, and the structural feasibility analysis of adding a second floor onto the PAX Terminal. This project evaluated, made recommendations and developed alternative options, provided costs, cost to benefit ratios developed preliminary designs. This study provided a framework for future project programming based on Amec Foster Wheeler recommendations. John was the project manager and lead author of this report.

**Space Fence, Kwajalein Atoll, Marshall Islands. Project Architect.** Amec Foster Wheeler is working with Lockheed Martin on the new advanced ground-based radar system that will improve the way the U.S. Air Force identifies and tracks orbital objects.

**U.S. Marshal Service Feasibility Study, U.S. General Services Administration, Ribicoff Federal Building, Hartford, Connecticut. Project Architect.** The Amec Foster Wheeler design team lead the GSA and the US Marshal Service through a planning process determining the best solution to moving detainees into the building cellblocks, to the appropriate courtrooms, back to the cell blocks and then exiting the facility. This circulation currently did not meet US Court and US Marshal Services requirements for security separation from judiciary and public. Amec Foster Wheeler provided through a series of fully participatory workshops options for review that were ranked and evaluated. Information including comparative construction costs and full system impact on the building was provided, and a resulting plan-of-action has been defined that will improve the safety of all occupants. John was the project architect for this project.

**Judge Melancon Chambers, U.S. General Services Administration, McMahon Federal Building, Bridgeport, Connecticut. Project Architect.** Amec Foster Wheeler is currently tasked with design of the reconstruction after mitigation of the existing 3,251 square foot 3rd floor US Courts Judges Chambers and Courtroom. This included the evaluation of all systems providing the basis for subsequent design work and preparation of Construction Documents. The project reconstructs the spaces to an 'in-kind' level of finish and configuration, with an option to upgrade the spaces to meet current US Court standards. John was the project architect for this project.

**New Groundwater Treatment Facility, Confidential Client, Jersey City, New Jersey. Project Architect.** Project included the design of a new 4,800sf pre-engineered metal building and coordinated with structural, mechanical, electrical, and fire protection systems. Prepared the OSHA and life safety code analysis and design for the building including specialized requirements for hazardous material storage. Reviewed product submittals and shop drawings during construction and responded to requests for information.

**Convert Steam Phases 1, 2, 3, VAMC Providence, Rhode Island. Program/Project Manager.** Responsible for the design of the conversion of the heating system in Building 1 of the VA campus from steam to hot water. This project integrated campus wide heating system investigation, concept design, and resultant modifications.

**New Visitor Center and Headquarters, Port Louisa National Wildlife Refuge, Wapello, Iowa. Project Architect/Technical Lead.** Responsible for the design of a 5,000-square-foot energy efficient building for the refuge. The design includes a welcome area for visitors to the refuge, a classroom for up to 30 persons, offices and support spaces for the refuge staff, and site improvements. Energy efficiency measures include photovoltaic panels, solar hot water heater, highly insulated and thermally efficient building envelope. The design incorporates materials found in local buildings including stone, wood and metal.

# Herbert Semple, AIA

## Architecture



### Relevant projects

- ▶ MC Smith Federal Building,
- ▶ Jacob Riis Beachhouse Rehabilitation
- ▶ State of Maine Bureau of Motor Vehicles Headquarters

### Core skills

Project design, including construction inspection services, project owner's representation, renovations, new buildings, and LEED platinum facilities

### Professional summary

Mr. Herbert Semple has been a registered architect since 1978 and has provided team leadership on a large variety of project types, including office renovations, exterior envelope repair, courts and judicial buildings, schools, multifamily housing, and industrial and health care facilities. He is an award-winning architect with projects that have been exhibited nationally. His portfolio has included all phases of project design, including construction inspection services, project owner's representation, renovations, new buildings, and LEED platinum facilities. He leads diverse stakeholders through consensus building for the conceptual planning of projects, providing project direction clearly and creatively, establishing scope, schedule and budget for the successful project implementation.

Recently, Mr. Semple has been program manager and project manager at Amec Foster Wheeler, including a nationwide GSA Blanket Purchase Agreement that provides energy audit and design services to all Federal agencies. He has project managed all task orders for these GSA projects that range from GSA feasibility studies for the modernization of a 100,000-square-foot building, to government agency tenant fit-ups in Federal office buildings, engineering and structural building renovations, energy audits, and site survey projects. Most recently he has been project manager and project architect for the feasibility study of a new manufacturing facility that included conceptual design with the full integration of process, and a project cost estimate for the complete facility.

### Representative projects

**MC Smith Federal Building, U.S. General Services Administration, Bangor, Maine. Project Manager.** Part of a Design Excellence team for a complete renovation of the 185,000-square-foot M.C. Smith Federal Courthouse Building in Bangor, Maine. An ARRA-funded project, Amec Foster Wheeler provided mechanical, electrical, plumbing, and civil engineering services. This project completely renovated the entire facility to be an energy efficiency show case in northern New England. Project is LEED Platinum rated.

**Jacob Riis Beachhouse Rehabilitation, Gateway National Recreation Area, New York City. Project Architect.** The project included the assessment and design for the rehabilitation of the historic building. Work included full envelope evaluations and structural assessment, including storm surge damage. Responsible for the determination of storm surge mitigation strategy, as well as project design, construction administration and budget.

**State of Maine Bureau of Motor Vehicles Headquarters, Augusta, Maine. Project Manager.** Managed the reroofing design project that included concept design through construction administration at the State of Maine office building at the East Campus in Augusta. Project included the evaluation of the roof and possible options for replacement, establishing budget, design, contract documents, construction, and construction inspection services.

**State of Maine Ray Building, Augusta Maine. Project Manager.** Responsible for the State of Maine's Bureau of General Services new HVAC system design project in a historic building on the East Campus in Augusta. Managed the design project during construction.

### Education

Bachelor of Architecture,  
Cornell University, 1974

### Professional qualifications/ registration(s)

Registered Architect, Florida  
No. AR95939, Washington  
No. 3239, New Hampshire No.  
2214, Maine No. ARC1212, U.S.  
Virgin Islands No. 1161A

### Certification and training

Fall Protection Certification  
FEC Railroad Training

### Experience

Amec Foster Wheeler: 2008  
Industry: 1974

### Memberships/affiliations

American Institute of  
Architects  
National Society for Historical  
Preservation

Continued.

**Brookside Elderly Housing, Farmington, Maine. Project Manager and Project Architect.** Responsible for the design effort of this LEED Platinum, 32 unit low income elderly housing apartment building. Design for a net zero energy consumption utilizing a tight, well insulated building envelope, solar photo voltaic panels, efficient domestic hot water heating system and efficient building heating and ventilating systems utilizing ground source systems. Domestic water heating utilizes a ground source heat pump water heater and three 500 gallon storage tanks to produce and store 140 degree water. Building heating is provided by ground source heat pumps that supply hydronic in-floor radiant heat with individual temperature control for each apartment.

**U. S. General Services Administration Region 1, CIS & A/E IDIQs. Program Manager and Project Manager.** Responsible for three IDIQ contracts with GSA Region 1, New England that resulted in over 50 task orders and total fees in excess of \$3,800,000. Contracts dated since 2008 and have resulted in multiple simultaneous projects. Task Orders included modernization studies, planning studies, existing condition evaluations, exterior and interior renovations, and construction administration and inspection services.

**U. S. General Services Administration Water Damage Repair Including Annex Reroofing, Granite Repair, and Federal Courtroom Refinishing, Ribicoff Federal Office Building and Courthouse, Hartford, Connecticut. Project Manager.** The Ribicoff Building Annex was constructed in the late 1980s and had for several years been subjected to major water infiltration and leaking. Managed the multiple IDIQ projects to repair this building including annex reroofing, exterior granite wall repair, interior refinishing of three major federal courtrooms and the testing and remediation design necessary for the removal of mold present in several areas inside the building.

**U. S. General Services Administration Exterior Envelope Replacement Program Development Study Ribicoff Federal Building and Courthouse Annex, Hartford, Connecticut. Project Manager.** IDIQ task order to develop the concept for the replacement of the building envelope and reimagine the Annex. Design included assessment, planning and the development of a scope of work and budget for new exterior walls and windows as a state-of-the-art rain shield meeting Federal blast protection requirements.

**U. S. General Services Administration Fire Alarm Replacement, Ribicoff Federal Office Building and Courthouse, Hartford, Connecticut. Project Manager.** Responsible for the design of the fire alarm replacement project located throughout the Ribicoff Federal Building in Hartford, Connecticut.

**U. S. General Services Administration National Labor Relations Board Tenant Fit-up, Ribicoff Federal Office Building and Courthouse, Hartford, Connecticut. Project Architect/Manager.** Responsible for the National Labor Relations Board tenant fit-up project located in the Ribicoff Federal Building in Hartford, Connecticut. Project included two courts and judges' chambers with associated support spaces for the NLRB.

**U. S. General Services Administration Executive Office of Immigration Review Tenant Fit-up, Ribicoff Federal Office Building and Courthouse, Hartford, Connecticut. Project Architect/Manager.** Responsible for the Executive Office of Immigration Review tenant fit-up project located in the Ribicoff Federal Building in Hartford, Connecticut. Project included three courts and judges' chambers with associated support spaces.

**U. S. General Services Administration US Marshal Service Feasibility Study, Ribicoff Federal Office Building and Courthouse, Hartford, Connecticut. Project Manager.** Amec Foster Wheeler was contracted by the GSA to provide an in-depth analysis and study of the United States Marshal Service's operations in the Ribicoff Building. Of major concern is the conflicting circulation pattern between the movement of detainees going to and from court, the judges and jurors, and the general public – none of which should ever cross paths. Led the Amec Foster Wheeler team in this project, including the analysis of existing operations and circulations, and a planning decision making process to determine the best solution.

**U. S. General Services Administration United States 2<sup>nd</sup> Circuit Court of Appeals, New Judge's Chambers, Ribicoff Federal Office Building and Courthouse, Hartford, Connecticut. Project Manager.** Responsible for the design of a new Judge's Chambers for the 2nd Circuit Court of Appeals. Suite included judge's chambers, reception, offices for three attorney's, conference room/library and support spaces.

**U. S. General Services Administration Department of Home Land Security, Immigration and Customs Enforcement Tenant Fitup, Ribicoff Federal Office Building and Courthouse, Hartford, Connecticut. Project Manager.** Responsible for the design of new offices for DHS ICE. The office suite included open work areas, offices, conference rooms, storage and a detention holding area.



# Elizabeth A. Huckins, RA, NCARB, NCIDQ

## Architecture



### Relevant projects

- Facility Renovations, Air Force Civil Engineer Center/Defense Logistics Agency
- Warehouse and Processing Center, Salvation Army
- Social Security Administration Office Tenant Improvement

### Core skills

Project initiation, project design and development, production of contract documents, field administration, project coordination, design presentations, preparation and presentation of professional service proposals, and client relations

### Professional summary

Ms. Elizabeth Huckins is a Registered Architect and has 11 years of experience in the field of architecture with a focus on structural interior design (SID) in both public and private sectors. She has been involved in all phases of a variety of project types including commercial, educational, government facilities, and single and multi-family residential. Her experience includes project design, production of contract documents, design team coordination, and construction administration for new construction and renovation. Ms. Huckins has developed an expertise in building code and life safety code analysis including barrier free design. She has a strong understanding of whole building design through extensive building systems coordination and diverse construction administration experience.

### Representative projects

**Air Force Civil Engineer Center – Building 300 AMOS Repair. Architect/Interior Designer.** The project included the 9,000-square-foot renovation to the Air Force Maui Optical Station (AMOS), including office space, conference rooms, data processing, a laboratory suite, and related support spaces. Identified and developed alternatives for improvements to the RFP space layout before going on to develop the architectural design to meet the project's sustainability and LEED goals. Implemented the client's design standards, including specialized hardware and security construction requirements to achieve specified security classification levels. Coordinated the architectural design with the mechanical, electrical and security systems, and prepared construction drawings and specifications.

**Facility Renovations, Air Force Civil Engineer Center/Defense Logistics Agency, Multiple Sites in Okinawa, Japan. Architect/Interior Designer.** Project includes the renovation of 55,000 square feet across 28 facilities for DLA-Energy, including administrative, maintenance, and operational buildings. Performed facility condition assessment, provided space planning services and developed design options to improve functionality and serviceability based on client's programming requirements. Coordinated spatial layouts and requirements with mechanical and electrical systems. Conducted life safety code analysis and barrier free design for new spaces within existing buildings. Prepared conceptual design drawings and specifications for development of a design-build RFP.

**U.S. State Department Resident Office, U.S. General Services Administration, Confidential Location. Architect/Interior Designer.** Project includes a 3,710-square-foot tenant improvement, including detention cell, interview and observation rooms, evidence storage, office space and associated support spaces. Provided space planning services and developed design options, including furniture layouts, for client review based on client's programming requirements, design standards and room templates. Developed selected design and coordinated the multi-discipline design team's production of construction drawings and specifications. Implemented the client's design standards, including specialized hardware, detention, and security requirements. Had an active role in construction administration reviewing product submittals, responding to requests for information, and preparing documents for supplemental information.

### Education

Bachelor of Architecture  
(B. Arch), Carnegie Mellon  
University, 2005

### Professional qualifications/ registration(s)

Registered Architect, Oregon  
No. 5836, Massachusetts  
No. 32044, Rhode Island No.  
4634, Illinois No. 001.022856,  
Hawaii No. AR-17259

### Certifications and training

NCARB – Certificate No.  
70717, 2010 (National Council  
of Architectural Registration  
Boards)

NCIDQ – Certificate No.  
30600, 2014 (National  
Council for Interior Design  
Qualification)

### Experience

Amec Foster Wheeler: 2012  
Industry: 2006

Continued.

**Warehouse and Processing Center, Salvation Army, Portland, Oregon. Designer.** Responsible for space planning for this 75,000-square-foot warehouse fit-out. The scope entailed meeting with project representatives to determine facility requirements and preparation of design plans for layout and installation of equipment.

**Veterans Health Administration Clinic Tenant Improvement, U.S. General Services Administration, Philip Philbin Federal Building, Fitchburg, Massachusetts. Designer.** Coordinated the multi-discipline design team's efforts for the VA's new Outpatient Clinic on the 1st floor of the Philbin Federal Building. The 6,710-square-foot interior renovation includes a lobby and reception area, exam rooms, offices, conference room and associated support spaces. Provided space planning and implemented the VA's design standards and templates within the constraints of the existing space. Coordinated the client's interior design requirements with mechanical, electrical, and fire protection systems. Prepared plans and specifications, including finish selections, for design document submissions. This project is currently under construction, and has an active role in construction administration reviewing product submittals, responding to requests for information, and preparing documents for supplemental information.

**DHS ICE Office Tenant Improvement, U.S. General Services Administration, Abraham Ribicoff Federal Building and Courthouse, Hartford, Connecticut. Project Architect .** Responsible for ICE's 4,685-square-foot interior renovation on the fifth floor, including detention cells, evidence storage, interview room, reception, office space, and associated support spaces. Implemented the client's design standards, including specialized hardware, detention, and security requirements. Developed architectural specifications. Possessed an active role in construction administration.

**Social Security Administration Office Tenant Improvement, Philip Philbin Federal Building, Fitchburg, Massachusetts. Designer.** Coordinated the design team's efforts for the SSA's 8,500-square-foot office tenant improvements, which includes a waiting area, interview area, and associated support spaces. Implemented the client's design standards, including specialized hardware and security requirements. Evaluated existing conditions for new exterior windows and developed with Amec Foster Wheeler's structural engineer a window pattern and design that coordinated with the interior layout and design for the space. Possessed an active role in construction administration reviewing product submittals, responding to requests for information, and preparing documents for supplemental information.

**U.S. Court of Appeals Circuit 2 Justice Chambers Tenant Improvement, U.S. General Services Administration, Abraham Ribicoff Federal Building and Courthouse, Hartford, Connecticut. Project Architect/Interior Designer.** Led the multi-discipline team's design efforts for the 4,250-square-foot interior renovation which includes a new judge's office, reception area, attorneys' offices, conference room and associated support spaces. Developed the design aesthetic for the office suite with particular consideration for materials and detailing casework and provided recommendations and options for finish selection. Established an integrated design approach for mechanical and electrical systems that reinforced the interior design. Explored and presented design options to the U.S. Courts utilizing three-dimensional CAD and full-color renderings of the proposed office, allowing the Justice to fully understand the design. Prepared design document submissions including plans and specifications. Possessed an active role in construction administration reviewing product submittals, responding to requests for information, and preparing documents for supplemental information.

**Design-Build Navy Exchange Market Renovation, Portsmouth Naval Shipyard, Kittery, Maine. Project Architect/Interior Designer.** Responsible for architecture and interior design for the 13,000-square-foot renovation of a Navy Exchange Market located within an existing warehouse. The interior renovation consisted of a complete rehabilitation of the existing building and included a retail sales floor, barber shop, concession space, offices, loading area, and associated support spaces. Conducted life safety and barrier free design code analysis for the new spaces within the existing building. Implemented the Navy Exchange's design standards and coordinated spatial and systems requirements for the client's store fixtures. During construction, reviewed product submittals, assisted in finish selection, and responded to requests for information.

# Cesar A. Rullier, Associate AIA, NCARB, CPTED

## Architecture - BIM Manager



### Relevant projects

- ▶ Jonathan Dickinson State Park Concessions Building
- ▶ Delnor Wiggins State Park Administration Building
- ▶ Collier County Operations Lab and Sludge Control Room Renovation

### Core skills

Design and construction documentation, BIM, Advanced knowledge and expertise of BIM projects execution, workflows for BIM integrations, and BIM deliverables including CoBie integration

### Professional summary

Mr. Cesar Rullier has seven years of professional experience in the architectural/construction industry and more than 14 years of experience with building information modeling (BIM) integration and consulting. He is experienced with BIM Level of Development (LOD)/Level of Accuracy (LOA) specification and delivery.

Mr. Rullier has been responsible for the design and coordination of architectural, civil, structural, mechanical, electrical, plumbing, landscape, and fire protection plans with engineers, contractors, and trade manufacturers for completeness and compliance with project scope and goals, as well as the development of virtual design and construction (VDC) models for clash detection, probable cost assessments, and as-builts.

Mr. Rullier's understanding of BIM and its application goes beyond traditional 3D modeling, and allows him to manage and execute projects in an effective and efficient manner. He has practical experience with providing end-to-end deliverables that span from the design and construction documentation application of BIM, into construction, fabrication, existing conditions documentation, and BIM client deliverables. In addition, he is experienced with the integration of HD laser scanning and other reality capture methods for design verification and recording.

### Representative projects

**Jonathan Dickinson State Park Concessions Building, Florida Department of Environmental Protection, Martin County, Florida. Project Manager and Design Lead.** Provided FDEP with the design of a new 4,200 square foot concession building within the State park. The new building will provide an indoor eating and resting place for visitors, as well as restrooms and paddle boat rentals and storage. The key aspect of the design involved minimizing the impact and removal of existing trees on the site. There is also a large civil design component in the addition of a new fire hydrant. Project deliverables included design and construction bid documents and permitting services.

**Delnor Wiggins State Park Administration Building, Florida Department of Environmental Protection, Naples, Florida. Project Manager and Design Lead.** Designed a new two story, 3,500 square foot maintenance and offices facility. The facility is located within the park constrained by a high flood plain, mangroves, and tight fire separations to existing structures. Project deliverables included design and construction bid documents and permitting services.

**Collier County Operations Lab and Sludge Control Room Renovation, Collier County Public Utilities Division, Florida. Project Manager and Design Lead.** Provided Collier County with the renovation and reconfigurations of existing labs and office space. One important aspect addressed in the labs reconfiguration was the re-use of exiting casework. Project deliverables included design and construction bid documents, permitting services, and a digital BIM deliverable.

### Education

B. Arch - Bachelor of Architecture, Florida Atlantic University, 2013

### Certification and training

American Institute of Architects, United States No. 38491951

National Council of Architectural Registration Boards, United States No. 604853

Crime Prevention through Environmental Design Training

Autodesk Revit Certified Professional

Autodesk Revit Implementation Expert

### Experience

Amec Foster Wheeler: 2015  
Industry: 2003



Continued.

**Collier County Regional Water Treatment Plan Catwalk, Collier County Public Utilities Division, Naples, Florida. Project Manager and Design Lead.** Provided design execution and coordination for a new steel catwalk and service platform located above water filtration equipment and infrastructure inside the existing building. Laser scanning played a major role in this project and was the first of many projects in which we employed that technology. Project team was very hands on and end user engagement were key components which made this project successful. Deliverables included a virtual model, design drawings and specifications, and permitting assistance. Project was permitted with zero comments. Currently out to bid for construction.

**City of Naples Fire Rescue Station 2 Renovation, City of Naples, Florida. Project Manager and Design Lead.** Provided Fire Rescue Station 2 with the design for three new HVAC systems, new ceilings, and lighting. Project deliverables included design and construction. Laser scanning played an important role in this project in capturing existing conditions above the ceiling and existing structural constraints.

**ArrMaz Chemincal Lab, ArrMaz Chemicals, Mulberry, Florida. Architecture Project Manager.** Provided design development, coordination, and client presentations in BIM. Model used to aid client interactions and design validation in addition to project probable cost. Project deliverables surpassed client expectation for completeness and overall content coordination.

**Memorial Cardio Vascular Clinic, Memorial Health Care Systems, Hollywood, Florida. Project Architect.** Provided design development, construction documentation, and coordination for the project utilizing BIM workflows to minimize on-site coordination issues. Implemented a laser scan capture of the site's existing conditions for shell build out.

**New Corporate Headquarters and Fabrication Shop, Quantum Marine, Davie, Florida. Project Architect.** Provided client with the design for a new 35,000-square-foot headquarters facility and fabrication shop. Produced client presentation drawings and BIMs, as well as construction documentation for site plan approval.

**Miami International Airport, Guri Matute Architect, Miami, Florida. Project Manager.** Provided BIM consulting, training, and modeling services, as well as a constructability review of the team's design of intent documentation for the airport's new terminal project. Responsible for clash detection reporting and management.

**Fire Station, City of Parkland, Florida. Intern Architect/BIM Job Captain.** Provided the City with the design for a 12,000-square-foot public works office and fire station. Responsible for construction documentation and BIM coordination with consultants and general contractor, including a BIM LOD350+ deliverable to the general contractor and project's owner.

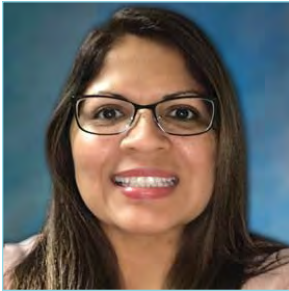
**Broward County Courthouse, JA Cummings, Fort Lauderdale, Florida. BIM Model Manager.** Provided 750,000 square feet of virtual design and construction (VDC) modeling based on construction documentation provided by the general contractor. Responsible for clash detection and coordination. Services included architecture, plumbing, and electrical design. Attended coordination meetings with subcontractors for clash and conflict resolution.

**Nova Southeastern University Center for Collaborative Research, ANF Group, Davie, Florida. BIM Model Manager.** Responsible for Revit civil and utilities modeling based on construction documentation and submittals provided by the general contractor. Worked closely with subconsultants to ensure installation of utilities based on authored BIM/VDC model.

**Various Design Projects, Arquitectonica, Miami, Florida, and New York, New York. Technical Applications Engineer/BIM Consultant.** Responsible for the training and implementation of BIM practices for the client's Miami and New York offices for several projects, including the University of Miami Student Center Complex.

# Gerkys Triana

## Architecture - BIM Designer



### Relevant projects

- ▶ Delnor Wiggings Pass Administration Building
- ▶ Resource Recovery Park Master Plan Mitigation Phasing
- ▶ Fort Lauderdale-Hollywood Airport Noise Mitigation Program

### Core skills

BIM evaluation, forecasting, and presentations; field assessment visits; floor plan drawings; constructability studies; windows and door installation details coordination; and prepared construction documents

### Professional summary

Ms. Gerkys Triana has three years of experience in residential design and sound mitigation. She has conducted field assessment visits to obtain field measurements; generated floor plan drawings of single and multi-family properties; conducted constructability studies; coordinated windows and door installation details for manufacturers; and prepared construction documents. Ms. Triana has experience using BIM for evaluation, forecasting, and presenting buildings, including construction sites. She has also participated in design coordination meetings and constructability studies; analyzed and planned interior spaces; and designed, prepared, and evaluated architectural shop drawings for approval and execution. She is committed to providing high quality service to every project with a focus on health, safety, and welfare of the public. Ms. Triana has completed the Architectural Experience Program with the National Council of Architectural Registration Boards and is currently working on the Architect Registration Examination towards licensure.

### Representative projects

**Delnor Wiggings Pass Administration Building, Collier County, Naples, Florida. BIM Designer.** Responsibilities currently include BIM modeling for the design of a new administration building at the Delnor Wiggings Pass State Park in Naples, Florida. The project consists of the demolition of the existing three-bay shop building, as well as the Citizen Support Organizations (CSO) meeting room at the five-bay building. Also includes the design of a new building post demolition, which includes approximately 1,500 square feet for the administrative offices, staff room, CSO meeting room, restrooms, and storage.

**Resource Recovery Park Master Plan Mitigation Phasing, Collier County, Naples, Florida. BIM Designer.** Tasks currently include BIM modeling for the design of the Resource Recovery Park master plan, including site design and building facades to establish a design for future development of the site. The project consists of developing a preliminary master plan design for the 211-acre park, including administration buildings, maintenance facilities, and recycled and processing materials facilities.

**Fort Lauderdale-Hollywood Airport Noise Mitigation Program, Fort Lauderdale, Florida. Architectural Designer.** Conducted field assessment visits; obtained field measurements; created floor plan drawings of single and multi-family properties; calculated windows and doors design pressure; worked on requests for information (RFI) and documentation; and prepared cost estimate reports.

**Koi Residences and Marina, Pompano Beach, Florida. BIM Designer.** Project involved a 9-acre residential development project that included 380 residences, 46 waterfront villas, 98 lofts, and 206 condos, with a 26-slip marina and resort-style amenities. Tasks included utilizing BIM to analyse outputs; preparing 3D presentations (Revit); utilizing BIM for evaluating, forecasting, and presenting buildings, including the construction site; attending design coordination meetings and constructability studies; analysing, and planning interior spaces, and designing, detailing, preparing, and evaluating architectural shop drawings for approval and execution.

### Education

Master of Science,  
Construction Management,  
Florida International  
University, 2015

Bachelor of Architecture,  
Florida Atlantic University,  
2013

### Professional qualifications/ registration(s)

Florida Real Estate License No.  
SL3359034

### Certification and training

OSHA 30 Hours

Excavation Safety Training for  
Competent Persons (CPT)

### Experience

Amec Foster Wheeler: 2016  
Industry: 2013

### Memberships/affiliations

American Institute of  
Architects

National Council of  
Architectural Registration  
Boards

Florida Realtors

### Honors and awards

Outstanding Design  
Achievement, Bi-annual  
Design Charrette, Florida  
Atlantic University, 2012



amec  
foster  
wheeler

## Matthew E. Prybylski

### Historic Preservation



#### Relevant projects

- ▶ Cultural Resources Evaluation of 27 Michigan Army National Guard Facilities, Michigan Department of Military
- ▶ Cultural Resources Mitigation for the AT&T New Jersey Marsh Restoration and Pole Removal Project

#### Core skills

Historic architecture, cemeteries, and landscapes; historic archaeology; Section 106/110 cultural resource regulatory compliance; project planning; cost estimating; and technical specifications

#### Education

Masters of Historical Preservation, University of Kentucky, 2011

Bachelor of Arts, Anthropology, University of Louisville, 2000

#### Professional summary

Mr. Matthew Prybylski has more than 24 years of experience in historic preservation and cultural resources management throughout the United States, including more than 20 years of experience in supervisory positions. He has functioned as a project manager, field supervisor, and principal investigator, and is an expert in the technical aspects of archaeological and historic architecture survey fieldwork, report writing, in addition to detailed archival research. Prior to joining the Amec Foster Wheeler cultural resource management team, Mr. Prybylski served as an archivist and historic preservation assistant for the Jefferson County Historic Preservation and Archives office beginning in 1993 - a position he held for six years. Mr. Prybylski joined Amec Foster Wheeler in 2003 as a historic archaeologist and architectural historian. He has extensive experience with studies that include NRHP nominations for historic properties, districts, and cultural landscapes, including Section 106, Section 110 and Section 4(f) of the Department of Transportation Act assessments, evaluations, and archival research. In addition to project management and field direction, he is skilled at project planning to help clients meet regulatory requirements and aiding consultation with state and federal regulatory agencies such as USACE, United States Air Force (USAF), National Guard Bureau (NGB), Federal Highway Administration (FHWA), Federal Energy Regulatory Commission (FERC), and Tennessee Valley Authority (TVA), as well as state entities including various DOTs and historic preservation offices (SHPO). He has a strong background in art, and has illustrated artifacts, historic buildings/structures, and human remains for several publications and special projects. Mr. Prybylski received a Master's Degree in Historic Preservation from the University of Kentucky with a focus on cemeteries, historic American architecture and cultural landscape surveys.

#### Certification and training

Qualified Architectural Historian, National Park Service, Secretary of the Interior for Historic Preservation Standards

#### Experience

Amec Foster Wheeler: 2004  
Industry: 1993

#### Memberships/affiliations

National Trust for Historic Preservation  
Society of Historic Archaeology

#### Representative projects

**Inventory of Historic Properties for the Lynn Haven Fuel Depot, United States Air Force, Lynn Haven, Bay County, Florida. Principle Investigator.** Conducted an Inventory of Historic Properties survey of the Lynn Haven Fuel Depot to support the Tyndall Air Force Base (AFB) Cultural Resources Management Team. The investigation included the evaluation of aboveground historic resources more than 50 years of age at the facility for their eligibility for listing on the NRHP individually or as a historic district. Several buildings/structures less than 50 years old were also assessed per Cultural Resources Management Team request due to their association with the Cold War. In all, a total of 14 World War II to Cold War buildings/structures constructed between 1942 and 1980 were documented and assessed as part of this investigation. Recommended that none of the resources are eligible for listing on the NRHP. Some of the structures may originally have had historical significance under Criterion A and Criterion Consideration G, for their association with regional and military developments, as well as within a Cold War context. However, years of structural alterations, deterioration, and extreme vandalism, as well as episodes of intense coastal weather such as tropical storms and hurricanes have negatively impacted their physical makeup.

**Florida State Level Historic Documentation of Timber Bridge S828.7, CSX Transportation, Valrico, Hillsborough County, Florida. Project Manager.** In 2015, under contract by CSX Transportation, completed State Level mitigation documentation for the Valrico Bridge



Continued.

Milepost S828.7 crossing Turkey Creek. The 76-foot, six-span, timber bridge runs parallel to Salem Church/Sydney Road east of the town of Valrico, Hillsborough County, Florida. CSXT proposes to replace the existing bridge due to deterioration in order to improve safety, efficiency, and fluidity of train traffic using this rail line. The Florida Division of Historic Resources (DHR), which is the State Historic Preservation Office, concurred with the recommendation from an April 2015 National Register of Historic Places (NRHP) assessment that the Valrico Bridge S828.7 is eligible as a contributing resource to the NRHP-eligible Seaboard Railway Resource Group (Florida Master Site File 8HI11335). The Seaboard Railway Resource Group is considered eligible for the NRHP under Criterion A, for its association with the Seaboard Coast Line and the development of the railroad industry in the region. The DHR recommended specific documentation to mitigate the adverse effect from the bridge replacement. The USACE, Jacksonville District included a requirement for mitigation documentation of the bridge as a permit condition in its 23 June 2015 permit authorization. This state level documentation includes digital photographs, blueprints, and a written narrative of the history of bridge. Since only blueprints of bridge elements for similar bridges to Valrico Bridge S828.7 were available, it was determined through consultations with DHR that sketch plans of the structure would be included as part of the documentation.

**Florida State Level Historic Documentation of Timber Bridge S828.7, CSX Transportation, Brooksville, Sumter County, Florida. Principle Investigator.** In May 2016, under contract by CSX Transportation, completed State Level mitigation documentation for the Brooksville Bridge Milepost S778.1. The timber bridge runs parallel to FL-35/U.S. 301, northeast of the town of Brooksville in Sumter County, Florida. CSXT proposes to replace the existing bridge due to deterioration in order to improve safety, efficiency, and fluidity of train traffic using this rail line. DHR concurred with the recommendation from an April 2015 National Register of Historic Places (NRHP) assessment that individual timber bridges are eligible as a contributing resources to the NRHP-eligible Seaboard Railway Resource Group (Florida Master Site File [FMSF] 8HI11335). This state level documentation includes digital photographs, blueprints, and a written narrative of the history of bridge. Since only blueprints of bridge elements for similar bridges to Brooksville Bridge S778.1 were available, previous consultations with DHR determined that sketch plans of the structure would be included as part of the documentation.

**An Inventory of Historic Properties for the Eglin Golf Club Eagle Course and Driving Range Historic Landscape and the Jackson Guard Station Historic District, United States Air Force, Niceville, Okaloosa County, Florida. Principle Investigator.** Conducted an Inventory of Historic Properties for the Eglin Golf Club Eagle Course and Driving Range Historic Landscape and the Jackson Guard Station Historic District. The historic landscape is composed of those areas associated with the golf course and the driving range covering an area of approximately 314 acres. The Jackson Guard Station Historic District, currently occupied by Eglin's Natural Resources Department covers an area of approximately 18.5 acres. Of the 30 resources documented, a total of 25 resources are recommended as not eligible for listing on the NRHP either individually or as contributing elements of the historic landscape and historic district. Within the landscape, this includes seven resources and 18 within the historic district. The remaining five resources are recommended as eligible for listing on the NRHP as contributing resources to either the Eglin Golf Club Eagle Course and Driving Range Historic Landscape or the Jackson Guard Station Historic District. Out of the five contributing resources, one structure, Building 1535, is associated with the historic landscape, while the remaining four resources, Building 1508, Building 1509, Building 1512, and Building 1523 are associated with the historic district.

**Inventory of Historic Properties and Historic Context for Camp Rudder/Auxiliary Field 6 at Eglin Air Force Base, United States Air Force, Okaloosa County, Florida. Project Manager.** In 2013, conducted a cultural resources survey and intensive archival research for the USAF at Eglin AFB. The purpose of this investigation was to develop a historic context for Camp Rudder/Auxiliary Field No. 6 and to assess the NRHP eligibility of the buildings that fell within its boundaries of the camp. A total of 48 resources were identified as constructed between 1942 and 1989. The structures were evaluated for historic significance individually, as contributing elements to a historic district, and contributing resources to a historic military landscape. Of the 48 resources documented, 33 resources are recommended as not eligible for listing on the NRHP either individually or as part of a historic district or historic military landscape due to their age and a lack of direct and significant association with the development of the airfield in World War II, its subsequent transition to Camp Rudder, and then the site's use as a prison. The remaining resources, while over 50 years of age, lack a direct and significant historic association with these same themes or failed to retain enough integrity to warrant eligibility individually or as contributing resources to a historic district or military landscape.

**An Inventory of Historic Properties for the 78 Buildings at Eglin Air Force Base, United States Air Force, Santa Rosa, Okaloosa, and Walton Counties, Florida. Project Manager.** In 2011, conducted an Inventory of Historic Properties for the USAF at Eglin AFB. The purpose of the architectural investigation was to assess the NRHP eligibility of 78 buildings to ensure that Eglin AFB is in compliance with Section 106 of the National Historic Preservation Act, and other relevant state regulations, and guidelines of the Florida State Historic Preservation Office. The properties represented Cold War buildings constructed between 1951 and 1989. Of the 78 resources documented, a total of 65 resources are recommended as not eligible for listing on the NRHP either individually or as part of historic districts. The remaining resources were recommended as eligible for listing on the NRHP individually, as part of a proposed historic landscape, or as a proposed historic district.



# Wes Cunningham

## Historic Preservation

### Relevant projects

- ▶ Archival Research in Support of an Archaeological Survey at Eglin AFB, Florida
- ▶ Archival Research in Support of an Archaeological Survey at Tyndall AFB, Florida

### Core skills

Archival research, authoring historic contexts, historic architecture, Section 106 cultural resource regulatory compliance

### Professional summary

Mr. Cunningham has over five years of public history experience working in a variety of capacities including managing historic properties, cataloguing and creating metadata for archival special collections, as a field archaeologist, and as a historic preservation specialist. He has functioned as a project manager, is skilled in detailed archival and historical research and writing, and has worked in academia, the government, and in the private sector. Mr. Cunningham joined Amec Foster Wheeler in 2016 as a historian, archivist and archaeologist. He has experience with National Register of Historic Places nominations and amendments for historic properties and districts including property assessments, evaluations, research and writing. Mr. Cunningham received a Master's Degree in History from the University of Louisville with a focus on Public History.

### Representative projects

**Archival Research in Support of an Archaeological Survey at Eglin AFB. Historian.** In 2017 for Phase II archaeological investigations for Eglin Air Force Base, which encompasses three counties: Santa Rosa, Okaloosa, and Walton. Mr. Cunningham was responsible for conducting historic research for the 8 historic archaeological sites. This included deed research at the county court house, census research, city directory research, informant interviews, as well as further in-depth research as it is available for each site. This research was then incorporated into site summaries for the report. Many of the sites were associated with Euro-American families but some were also associated with African American families. The research for these different races can be a challenge as the type and amount of records vary.

**Archival Research in Support of an Urban Archaeological Study, Cincinnati, Ohio. Historian.** In 2017 for an archaeological study on the possible effects of a pipeline extension. Mr. Cunningham was responsible for conducting the on-site historic research for houses that have since been demolished but whose footprint would be effected by the pipeline extension. By consulting historic maps, Mr. Cunningham was able to figure out which properties overlapped the Project Area. He then conducted in-depth research using city directories, federal census records, and other information available to uncover who the occupants were in order to determine if an archaeological excavation could provide valuable information based on their demographics and identities.

**National Historic Preservation Act Eligibility Evaluation in Support of the United States Coast Guard Housing Sale, St. Joseph, Michigan. Architectural Historian.** In 2016, Mr. Cunningham assisted in a historic places building eligibility evaluation and reconnaissance level archaeological survey to support a proposed sale of a house owned by the United States Coast Guard. Mr. Cunningham conducted significant archival research at local repositories as well as an on-site building analysis to assess the historic significance of the resource. Amec Foster Wheeler recommended that although the building was associated with previously listed resources, it was not eligible individually.

**Archival Research in Support of an Archaeological Survey in Hamilton County, Tennessee. Historian.** In 2017 for Phase II archaeological investigation for the Tennessee Department of Transportation in Hamilton County, Tennessee. Mr. Cunningham's research included deed research, census research, and city directory research as well as on-site investigation. This research was then incorporated into a site summary and conveyance history for the report.

### Education

Masters of Arts, History,  
University of Louisville, 2016

Bachelor of Arts, History,  
Murray State University 2011

### Experience

Amec Foster Wheeler: 2016  
Industry: 2010

### Memberships/affiliations

National Council on Public  
History

American Association for  
State and Local History

Continued.

Through archival research and historic map analysis, it was discovered that the property in question had once been used as a rental property for several families but had been abandoned prior to 1950. Research confirmed that although the historic maps showed no structure after 1940, residents occupied the property for almost another decade.

**A Cultural Resources Evaluation of Twenty-Seven Michigan Army National Guard Facilities, Michigan Department of Military and Veteran Affairs, Statewide Michigan. Historian.** In the summer and fall of 2016, Mr. Cunningham performed an architectural survey and assessment at 27 Michigan Army National Guard facilities statewide for the Michigan Department of Military and Veteran (MIDMVA). The purpose of the cultural resource survey was to evaluate the NRHP eligibility of Cold War facilities with buildings that date between 1950 and 1989, or all buildings at least 45 years of age. A total of 219 buildings at 27 facilities were documented. The project is currently ongoing and the studies will be assembled into a History Properties Technical Report. Mr. Cunningham also authored several historic contexts for various counties, cities, and military units within Michigan using research conducted both on-site and remote.

**Archival Research in Support of an Archaeological Survey in Blount County, Tennessee. Historian.** In 2016 for Phase II archaeological investigations for the Tennessee Department of Transportation in Blount County, Tennessee. Mr. Cunningham was responsible for conducting historic research for the site. This included deed research, census research, and city directory research as well as on-site investigation. This research was then incorporated into a site summary and conveyance history for the report. The archival research discovered that two families owned the property for most of its known history. It was owned by large landowners originally before being portioned off and sold for single family residences for the majority of the twentieth and twenty-first centuries.

**Archival Research in Support of an Archaeological Survey in McCracken County, Kentucky. Historian.** In 2016 for Phase II archaeological investigations for the Tennessee Valley Authority's acquisition in McCracken County, Kentucky for the Shawnee Fossil Plant. Mr. Cunningham was responsible for conducting historic research for the property. This included deed research, census research, and city directory research as well as on-site investigation. This research was then incorporated into a site summary and conveyance history for the report. The archival research revealed that the land was owned by several individuals who never resided on the property, and then by two Caucasian farming families for over 150 years. It is probable that if the land had seen any agricultural use in the last sixty years, it had not been done by the families who owned the property.

**Archival Research in Support of an Archaeological Survey at Eglin AFB. Historian.** In 2016 for Phase II archaeological investigations for Eglin Air Force Base, which encompasses three counties: Santa Rosa, Okaloosa, and Walton. Mr. Cunningham was responsible for conducting historic research for the 5 historic archaeological sites. This included deed research at the county court house, census research, city directory research, informant interviews, as well as further in-depth research as it is available for each site. This research was then incorporated into site summaries for the report. Many of the sites were associated with Euro-American families but some were also associated with African American families. The research for these different races can be a challenge as the type and amount of records vary.

**Archival Research in Support of an Archaeological Survey at Tyndall AFB. Historian.** In 2016 for Phase II archaeological investigations for Tyndall Air Force Base, located in Bay County. Mr. Cunningham was responsible for conducting historic research for the 3 historic archaeological sites. This included deed research at the county court house, census research, city directory research, informant interviews, as well as further in-depth research as it is available for each site. This research was then incorporated into site summaries for the report. Many of the sites were associated with Euro-American families but some were also associated with African American families. The research for these different races can be a challenge as the type and amount of records vary.

**The Anne Braden Institute for Social Justice Research, Louisville, Kentucky. Research Assistant.** Mr. Cunningham was hired on to conduct research and amend a National Register listing as part of the National Park Service's LGBTQ Heritage Initiative. He utilized an immense archival collection, personally conducted a series of oral histories and reached out to various communities and community leaders throughout Kentucky to gain the information necessary for a statewide LGBTQ historic context in addition to two National Register amendments, one of which Mr. Cunningham authored. The National Register listing was officially amended as of March 2017.

**Wood F. Axton Hall, Simmons College of Kentucky National Register Listing, Louisville, Kentucky. Graduate Student.** Mr. Cunningham researched and authored a National Register nomination for a building in Louisville's West End that belongs to Simmons College of Kentucky, an HBCU. He was responsible for providing a historic context narrative of race relations in Kentucky, Black higher education in Kentucky, and of the university itself. The building was officially listed August 4, 2016.





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## Nestor Fernandez

### Construction Support - Construction Management



#### Relevant projects

- ▶ Collier County Facilities Management Program
- ▶ Immokalee MSTU Main Street Improvements
- ▶ Florida Keys Overseas Heritage Trail

#### Core skills

Managing, directing, coordinating, and administering all aspects of project management, construction oversight services, facility improvements, environmental remediation, systems operations/maintenance, construction cost estimating, and permitting

#### Professional summary

Mr. Nestor Fernandez is an experienced Project and Construction Manager knowledgeable in South Florida building codes and all associated laws and regulations. With more than 25 years of experience, he has participated in managing, directing, coordinating, and administering all aspects of project management, construction oversight services, facility improvements, environmental remediation, systems operations/maintenance, construction cost estimating, and permitting.

As a Program Manager and Client Representative, Mr. Fernandez's responsibilities include administering contracts for design professionals and contractors, as well as coordinating all design, permitting, and construction efforts. He also provides support in areas such as plan reviews, contract scoping, document controls, budgeting, and payment submittal reviews. He coordinates and chairs design and construction progress meetings as well as reviews, tracks, and monitors construction progress, schedules, shop drawing submittals, and RFIs and their responses. He is also responsible for reviewing requests for change orders and coordinating the review, recommendation, and approval of progress payments.

#### Representative projects

**Florida Keys Overseas Heritage Trail, Florida Department of Environmental Protection, Monroe County, Florida. Contract Manager.** Oversaw several projects involving the Florida Keys Overseas Heritage Trail that spans 106 miles from Key Largo to Key West in Monroe County, Florida. Provided CEI, construction administration, and environmental permitting services for this shared-use path in the Florida Keys. Services also included observing and documenting general construction progress and the means and methods that were implemented to finish the work. Operations inspected included earthwork such as embankment and base placement, concrete for structures, and asphalt placement along U.S. 1. Amec Foster Wheeler also provided pre-construction meetings, stormwater pollution prevention plans, document reviews, and contractor reviews, as well as technical assistance in identifying project impacts to wetlands and developing suitable mitigation strategies as applicable. Amec Foster Wheeler provided services for the following segments:

- ▶ FDEP CEI services for Grassy Key to Long Key
- ▶ FDEP CEI services for Channel 5 to Tollgate Road
- ▶ FDEP CEI services for Ramrod Key to Big Pine Key
- ▶ FDEP CEI services for Key Haven to Big Coppitt Key
- ▶ FDEP CEI services for Bay Point to Lower Sugarloaf Key
- ▶ FDEP CEI services for Lower Sugarloaf Key to Summerland Key

**Facilities Management Program, Collier County Public Utilities Department, Florida. Project Manager.** Assisted the County in developing a facilities management program that identified 14 manned facilities within the department's control. Reviewed available maintenance records and AutoCAD files and conducted interviews with each corresponding building manager to assess existing conditions. Developed site specific inspection plans that addressed ADA, electrical, HVAC, structural, roofing, building envelope, indoor air quality, plumbing, security, low voltage, signage, pest control, and fire and safety related

#### Certification and training

TIN: F655620622850

CTQP Quality Control Manager

FDOT Advanced Maintenance of Traffic

FDOT CTQP Asphalt Paving Level I

FDOT CTQP Asphalt Paving Level II

FDOT CTQP Asphalt Plant Level I

FDOT CTQP Asphalt Plant Level II

FDEP Stormwater and Sedimentation Control Inspector

NACE Coating with Cathodic Protection

Supervisors Training Course

OSHA Confined Space Entry Supervisor Training Course

OSHA 10 Hour – Construction Safety

OSHA 40 Hour – Hazardous Waste Operations Training Course

#### Experience

Amec Foster Wheeler: 2013

Industry: 1985

Continued.

issues so that short- and long-term maintenance and budgeting requirements could be identified. Created baseline building assessment reports for each facility that identified its current condition, the immediate, five-year, and 10-year maintenance or replacement requirement, and provided a preventative maintenance schedule for each major system.

**Immokalee Stormwater Improvements Phase II, Collier County, Florida. Project Manager.** Project includes the improvements to the residential area sidewalks and stormwater conveyance system at Immokalee Drive from Carson Road to North 15th Street/ State Road 29 in the City of Immokalee. Services included installation of approximately 9,800 linear feet of sidewalk and 7,600 linear feet of ERCP and RCP ranging in size from 15 inches to 36 inches and 50 drainage structures to enhance the existing drainage system. Project also included restoration of driveways and roadways, swale re-grading, and the relocation of multiple water and wastewater utilities.

**Immokalee Transfer Station Improvements, Collier County, Florida. Contract Manager.** Project required the demolition of existing prefabricated building, walkways, and scale foundations to improve existing operations. Construction included new scale foundations, retaining wall, elevated walkway, generator and building pads, prefabricated building, roadway improvements and security improvements.

**Designated Driveway Program, Collier County, Florida. Contract Manager.** The Designated Driveway Program works in conjunction with the Hammerhead Program. In cases where a hammerhead cannot be constructed, a designated driveway is constructed under the Designated Driveway Program. Designated driveways are owner-approved reinforced private driveways intended to create safe, designated turnaround areas for solid waste collection vehicles where no turnaround access areas exist.

**Eagle Creek Weir Gates Refurbishment, Collier County Stormwater Division, Florida. Contract Manager.** Evaluate the condition of the flood control gates, existing hardware, and structural integrity of the weir. Perform concrete conditioning testing of the weir for the purpose of determining if the weir is capable of being retrofitted with new hardware. Develop a design package for weir upgrades and hardware retrofit. Design a maintenance parking area within their existing easement constructed out of permeable material that allow for greater infiltration of stormwater and develop plans for security fencing located on all sides of the bridge with the purpose of significantly limiting pedestrian access to the weir and the areas around the bridge. Delineate the wetland upland boundary of the riparian corridor, locate, identify, and map the mangrove species within the project area. Identify the presence of the invasive species which either are or could potentially impact flow through the project area and obtain required permitting for either the trimming or removal of impacting vegetation.

**Immokalee Municipal Service Taxing Unit Main Street Improvements including Median Separators, Collier County Community Redevelopment Agency, Florida. Contract Manager.** The Immokalee project is partly funded by FDOT and includes the removal of traffic delineators; demolition of sections of medians and re-construction of 2-foot median separators; paving of areas where medians were removed; re-striping of improved areas; removal and relocation of existing light poles; and utility manhole adjustments.

**Pavement Overlay for Boston Avenue, Colorado Avenue, and West Delaware Avenue, Immokalee Community Redevelopment Agency, Florida. Contract Manager.** Project included preparation of area for overlay by milling edge of pavement to provide flush tie-in with all driveway aprons, side roads, and sidewalks; and thoroughly cleaning existing asphalt surface and applying bituminous tack coat when ready for overlay. Adjusted manholes, water valves, and drainage grates to proposed overlay grade prior to pavement operations. Applied asphalt overlay with Superpave AC. Provided temporary striping of cross bars and yellow lines; after curing period all pavement markings shall be Thermoplastic, certified lead free, per FDOT standard. Work included handrails, sodding, and rip-rap grading along roadway.

**Marco Island Executive Airport Taxiway and Apron, Collier County, Marco Island, Florida. Program Manager/Client Representative.** The project involved the construction of a new 4,300-foot parallel taxiway "A," 330 linear feet of connectors "C" and "D," and approximately 203,000 square feet of expansion to the existing apron. This work entailed the clearing and grubbing of 13.5 acres of vegetation from swamp areas and stabilization of 80,000 cubic yards of peat in a 354,000-square-foot area by means of soil mixing more than 23 million pounds of cementitious binder into the existing soil. Construction also included installation of 1,970 linear feet of new site drainage ranging from 8 to 48 inches, 20,000 linear feet of lighting conduit, 17 units of guidance signs, 90 taxiway edge lights regulators, and miscellaneous electrical items. Additionally, construction included utility demolition and relocation, installation of tie-downs, and placement of 43,000 square yards of asphalt. The project was completed on time and under budget.



Jose N. Quiroz

## Construction Support - Construction Materials Testing



### Relevant projects

- ▶ Palazzo del Sol at Fisher Island CMT/Special Inspections
- ▶ Miami International Airport Satellite E Improvements CMT/Special Inspections
- ▶ Ravenswood Bus Maintenance Facility CMT

### Core skills

Laboratory management, foundations, structural concrete/masonry, bridges, paving, laboratory testing, project management, Auto CAD, and Geo-system

### Professional summary

Mr. Jose Quiroz has more than 19 years of experience on various public, vertical, and roadway projects. He possesses numerous certifications, including ACI, NICET Level I and II, CETCO waterproofing inspector, and Washington Area Council Laboratories (WACEL) for soil, concrete, and structural masonry. Mr. Quiroz served as project manager/field operations manager for the Dulles Corridor Metrorail Project, Phase I and II, in addition to the Capitol Place Project in Washington, D.C., which consisted of an entire block of multi high-rise residential and office building towers. His duties include special inspections, destructive and non-destructive testing, QA/QC monitoring, and coordinating contractor's activities for schedule control and work assignments, as well as reviewing field reports to ensure inspections were conducted in accordance with the project plans and specifications.

### Representative projects

**Palazzo Del Sol Project, Fisher Island, Miami, Florida. Project Manager.** Palazzo Del Sol will be the first new condo on Miami's exclusive Fisher Island since 2007. A brand new luxury condo on the ultra-exclusive Fisher Island. This private island, which is home to America's most expensive real estate hasn't seen a new real estate development in recent years and there is a severe lack of larger residential units. Given that Palazzo del Sol will be located on Miami's most exclusive and private island we won't expect anything less than amenities such as a fur coat storages, wine collection showcases and theater rooms. Besides the luxuries of your own residence, Fisher Island offers a marina, a golf course and a private beach. Currently working as Project Manager at above mentioned project. Responsibilities as Project Manager involve structure inspections, special inspections, testing materials, specifications, QM, plan drawings review including IFC, RFI, Submittals, etc. Monitor and coordinate contractor's activities for schedule control – work assignment. Review field inspection reports; ensure the inspections are in accordance with the project plans and specifications for report preparation, certification documentation, cost, and file document control.

**Satellite E Improvements, Miami International Airport, Florida. Field Operations Manager and Special Inspector.** This ongoing project consists of improved construction renovation of seven Gates and eight new elevator shafts at Satellite E. It also consists of a renovation of concrete pavement on top of stabilized subgrade and resurfacing asphalt near bay area for the above mentioned gates. Amec Foster Wheeler provided the necessary engineering oversight, special inspections for drill shafts, and construction certifications required by the Miami International Airport Authority and Miami Dade County for all drilled shafts, reinforcing steel, fireproofing, density, and concrete testing. Responsible for CMT operations, coordinating activities of testing and inspections, including drill shaft, stabilization subgrade, concrete paving, asphalt paving, elevator additions and other interior terminal upgrades, and fireproofing. Responsible for reviewing field inspection reports to ensure activities are in accordance to the project specifications, certification, and document control.

### Education

Bachelor of Science, Architecture, Universidad Mayor de San Simon, 1997

### Certifications and training

WACEL Soils I, Concrete Level II Technician, Foundations, Soils Laboratory, Concrete Laboratory, Structural Concrete-Masonry  
ACI Concrete Field Technician I  
VDOT Concrete Field Technician  
CETCO Waterproofing Inspector  
NICET Level I and II

### Experience

Amec Foster Wheeler: 2015  
Industry: 1998



Continued.

**Construction Services for the Dulles Corridor Metrorail Projects (Silver Line), Metropolitan Washington Airports Authority. Project Manager.** The Dulles Corridor Metrorail Project is a 23-mile extension of Washington's existing Metrorail System. It is being built in two phases by the Metropolitan Washington Airports Authority (MWAA). Phase 1 of the new line opened on July 26, 2014, connecting East Falls Church with Tyson's Corner and Reston, Virginia's largest employment centers, with downtown Washington and Largo, Maryland. Known as the Silver Line, the extension is operated by the Metropolitan Washington Area Transit Authority (WMATA). Phase 2 will include six stations along 11.4 miles from the Wiehle-Reston East Station to Ashburn. Responsibilities included structure inspections; special inspections; testing of materials; review of specifications; quality management (QM); and plan and drawing reviews, including invitations for proposals (IFPs), requests for information (RFIs), and other submittals. Monitored and coordinated contractor's activities for schedule control and work assignments. Reviewed field reports and ensured inspections were in accordance with project plans and specifications.

**Terra Centre Elementary School Addition and Renovation, Fairfax County Public Schools, Architect: Stanmyre Noel Architects, Burke, Virginia. Field Operations Manager/Senior Special Inspector.** The Terra Centre Elementary School project included additions and renovations that totaled 20,500 square feet of the existing 68,500-square-foot occupied school. Responsible for general contractor's project control and coordination. Performed construction inspections for foundations, sub-grade, building pads, utilities, soil bearing, reinforcing steel, masonry, floor flatness, non-destructive testing, structural fill, base, surfacing and paving, and impervious concrete. Also performed quality control; cost document control; review of drawings, submittals, and inspection reports. Reviews to ensure all inspections and construction activities were conducted in accordance with project plans and specifications

**Thoreau Middle School Addition and Renovation, Fairfax County Public Schools, Little Diversified Architectural Consulting, Vienna, Virginia. Field Operations Manager/Senior Special Inspector.** Project consisted of a complete renovation, including a 3-story classroom addition, auxiliary gym addition, and an administrative/front entrance addition. Responsible for general contractor's project control and coordination. Performed construction inspections for foundations, sub-grade, building pads, utilities, soil bearing, reinforcing steel, masonry, floor flatness, non-destructive testing, structural fill, base, surfacing and paving, and impervious concrete. Also performed quality control; cost-document control; review of drawings, submittals, and inspection reports. Reviews to ensure all inspections and construction activities were conducted in accordance with project plans and specifications

**Capitol Place, Washington, D.C. Field Operations Manager/Senior Special Inspector.** Capitol Place is a 10-story, multi-high rise, mixed-use residential building that encompasses one city block in Washington, D.C. Responsible for inspection operations, coordination of general contractor's activities, and performing special inspections, including sheeting and shoring, tie backs, piles, mat foundations, floor flatness, waterproofing, and non-destructive testing during construction. Also responsible for review of drawings, RFIs, submittals, and field inspection reports in order to meet project plans and specifications.

**Pharmacy and Store Master Contract, Walgreens, Northern Virginia. Field Operations Manager.** The contract included new construction of buildings and parking lots in northern Virginia area. Managed construction activities, including sub-grade, building pads, foundations, slab on grade, floor flatness, masonry, surface coefficient of friction, gloss surface, sub-base, and paving. Responsibilities also included coordinating and monitoring the general contractor's work, drawings, submittal specifications, RFIs, and field inspection reports to ensure activities were in accordance to project specifications. Provided cost and document control.

**Medical Office Building and Parking Garage Addition, Sibley Memorial Hospital, Washington, D.C. Operations Manager.** The project included a mixed-used 141,000-square-foot, six-story patient care center and medical office building, as well as an adjacent 223,000-square-foot, five-story parking garage that includes 733 parking spaces. Responsible for coordinating and monitoring general contractor's activities. Responsibilities also included structural inspections, as well as inspections for mat foundations, retaining walls, waterproofing, and floor flatness. Reviewed drawings and specifications in field inspection reports to ensure activities were in accordance to the project's specifications.

## Jason Alphonso, PE, LEED AP

### Engineering Services - MEP Engineering



#### Relevant projects

- ▶ Memphis Network Distribution Center Air Handling Unit Replacement Feasibility Study
- ▶ New Jersey International and Network Distribution Center, Air Handling Unit Replacement Design
- ▶ Enterprise Energy Management System Integration

#### Core skills

Energy management, strategic energy management plan development, HVAC and controls design, mechanical contracting, and construction administration

#### Professional summary

Mr. Jason Alphonso has more than a decade of experience in the heating, ventilation, and air conditioning (HVAC) and renewable energy (R/Energy) industry in energy consulting, mechanical, electrical, and plumbing (MEP) design, contracting, operations and maintenance (O&M), technical marketing, business development, energy conservation, sustainability, engineering research, engineering education, and professional mentoring. Mr. Alphonso is a professional mechanical engineer and certified mechanical contractor (CMC), both in Florida, a certified energy manager (CEM) registered with the Association of Energy Engineers, and a LEED Accredited Professional. Mr. Alphonso is also an American Society for Heating Ventilating and Air Conditioning Engineers (ASHRAE) certified as Operation and Performance Management Professional (OPMP) and Building Energy Assessment Professional (BEAP). He is the fourth individual in Florida to achieve the ASHRAE BEAP certification. Mr. Alphonso also served as president for the Central Florida Chapter of the ASHRAE.

Mr. Alphonso also serves ASHRAE at regional and society levels. At the society level, Mr. Alphonso was past chair of the Young Engineers in ASHRAE committee, current vice-chair of the Membership Promotion committee, and past voting member on the Strategic Planning committee. He also served on ASHRAE Technical Committee (TC-9.6) – Design of Health Care Facilities. In addition to ASHRAE, Mr. Alphonso also serves on the mechanical subcommittee of the National Council of Examiners for Engineers and Surveyors (NCEES), which is the committee responsible for the PE licensure examination. His past appointments also include the Industry Advisory Council for the Mechanical, Materials and Aerospace Engineering (MMAE) department at the University of Central Florida. He worked as a liaison to the department's chair search and ABET committees. Mr. Alphonso worked on downtown Orlando's first LEED-Certified existing building and multiple landmark Central Florida projects. In a nomination process involving young engineers for all engineering disciplines in 2011, Mr. Alphonso was voted as Central Florida's "Young Engineer of the Year 2011. He was also nominated in 2006 to be ASHRAE's "Top 5 nominees for New Faces in Engineering."

#### Representative projects

**Memphis Network Distribution Center, Air Handling Unit Replacement Feasibility Study, U.S. Postal Service. Project Manager/Senior Mechanical Engineer.** Responsibilities included project management, mechanical engineering, constructability, and project cost estimation. The feasibility study includes possible upgrades to the electrical distribution, mechanical air distribution, and building automation system. The 450,000-square-foot facility is located in Memphis, Tennessee, with a total estimated construction cost of \$6 million.



#### Education

Master of Science, Mechanical Engineering, University of Florida, 2003

Bachelor of Science, Mechanical Engineering  
University of Mumbai, 2000

#### Professional qualifications/registration(s)

Professional Engineer, Florida No. 67464

Certified Mechanical Contractor, Florida No. 1250374

#### Certification and training

Certified Energy Manager  
LEED Accredited Professional  
Operations and Performance Management Professional  
Building Energy Assessment Professional

#### Experience

Amec Foster Wheeler: 2013  
Industry: 2004

#### Memberships/affiliations

American Society for Heating Ventilating and Air Conditioning Engineers  
Association of Energy Engineers  
Building Owners and Managers Association  
Central Florida Energy Efficiency Alliance – Founding Member  
American Society for Heating Ventilating and Air Conditioning Engineers

Continued.

**New Jersey International and Network Distribution Center, Air Handling Unit Replacement Design, U.S. Postal Service. Project Manager/Senior Mechanical Engineer.** Responsibilities include project management, 100% design and construction administration for the replacement of 43 AHUs and the facility building automation system (BAS). The BAS system is designed to be integrated with an Enterprise Energy Management System (EEMS) via Tridium JACE, allowing the U.S. Postal Service Headquarters to monitor systems points. The 1.5-million-square-foot facility is located in Jersey City, New Jersey, with a total estimated construction cost of \$12 million.

**Enterprise Energy Management System Integration, 30% Design-Build and Retro-Commissioning, U.S. Postal Service, Multiple Sites, Nationwide. Senior Mechanical Engineer.** Responsibilities included overall energy audits, performing functional control testing of the BAS system, mechanical design and construction administration. All BAS systems were integrated with an Enterprise Energy Management System (EEMS) via Tridium JACE connection to allow USPS Headquarters to monitor systems points. Projects exceeded 20% return-on-investment. Included sites in St. Louis, Missouri; Dulles, Virginia; Springfield, Massachusetts; Lehigh Valley, Pennsylvania; and Jersey City, New Jersey.

**Lincoln Plaza, Mechanical Design Assist/Build Contractor. Mechanical Engineer.** Lincoln Plaza is Central Florida's first LEED-GOLD existing building. Responsibilities included mechanical engineering and construction services. It is a 16-story, 246,000-square-foot, Class-A office building located in downtown Orlando.

**Strategic Energy Management Planning, Alternative and Renewable Energy Feasibility Study, Rose Island, Bahamas. Mechanical Engineer.** Rose Island is a Bahamian Island a short distance from Nassau, Bahamas. Responsibilities included investigating the feasibility, costs, and payback for installation of solar-powered domestic hot water heating for entire island. This was one of three renewable strategies investigated, the other two being bio-mass power regeneration and deep sea water cooling.

#### Publications and presentations

"Energy Efficiency in Existing Buildings," Central Florida Building Owners and Managers Association (BOMA), Orlando, Florida, 2011  
"Effects of Ion Collider Technology on Vapor Compression Refrigeration Systems," University of Florida, Gainesville, Florida 2003

#### Memberships/affiliations (continued)

Association of Energy Engineers  
Building Owners and Managers Association  
Central Florida Energy Efficiency Alliance – Founding Member

#### Professional development

Trane 18th Annual Air Conditioning Clinic, 2005  
Mitsubishi Diamond Designer Course (VRF Systems), 2006  
Association of Energy Engineers Certified Energy Manager, 2007  
Mechanical Contractors Association of America Strategic Estimating Conference, 2008  
Association of Plumbing Engineers Building Plumbing Design Workshop, 2008  
Association of Plumbing Engineers Healthcare Plumbing Design Workshop, 2009  
Trane Tracer Summit Two-Day Controls Workshop, 2012



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## David Soler, PE

### Engineering Services - Civil Engineering



#### Relevant projects

- ▶ Lignumvitae Key State Park
- ▶ Windley Key State Park
- ▶ John Pennekamp Coral Reef State Park

#### Core skills

Civil site design, supervision of designers and draftsmen, advance site layout and grading design, gravity sewer design, and erosion and sedimentation control plan design

#### Education

Bachelor of Science Civil Engineering, University of Puerto Rico – Mayaguez Campus, 1995

#### Professional qualifications/registration(s)

Professional Engineer, Florida No. 68468, Puerto Rico No. 15717

#### Certifications and training

FEMA Public Assistance Operations I and Debris Operations I  
Practical Guidelines for Asphalt Placement Inspection

#### Experience

Amec Foster Wheeler: 2015  
Industry: 1995

#### Memberships/affiliations

Florida Board of Professional Engineers  
Puerto Rico Professional College of Engineers and Land Surveyors

#### Professional summary

Mr. David Soler is a civil engineer experienced in site design of industrial, commercial, and residential facilities. His 22 years of experience includes performing advanced civil site layout and grading design for buildings, roadways, and parking facilities; sanitary and storm sewer design; and recreational facilities design, including bicycle trails and passive parks. Duties include preparation of preliminary and final engineering documents, including drawings and project specifications. He has also provided construction administration services, including project supervision, technical inspections, and preparation of project reports.

#### Representative projects

**Lignumvitae Key State Park, Florida Department of Environmental Protection, Monroe County, Florida. Project Manager.** Managed the survey, engineering design, and construction of a new sewer collection system, a new lift station and connection to the public sanitary sewer system. Duties included site visits, site conditions reports, and meetings with the client and contractors.

**Windley Key State Park, Florida Department of Environmental Protection, Monroe County, Florida. Project Manager.** Managed the survey, engineering design, and construction of a new sewer collection system, a new lift station and connection to the public sanitary sewer system. Duties included site visits, site conditions reports, and meetings with the client and contractors.

**John Pennekamp Coral Reef State Park, Florida Department of Environmental Protection, Monroe County, Florida. Project Manager.** Managed the survey, engineering design, and construction of a new sewer collection system from the park ranger station to the existing lift station. Duties included site visits, site conditions reports, and meetings with the client and contractors.

**Jonathan Dickinson Park Concession Stand Construction, Florida Department of Environmental Protection, Martin County, Florida. Senior Civil Engineer.** Provided civil site design for a new park concession and restrooms building, including all related hardscape, grading, and drainage strategy. Prepared engineering drawings, including geometrical layout and site grading. Duties included preparation of demolition, engineering plans, civil site notes, and site details.

**Resource Recovery Park Master Plan, Collier County Board of Commissioners, Naples, Florida. Senior Civil Engineer.** Developed a preliminary master plan design for a resource recovery park in Collier County. The project includes facilities for the processing of white goods, tires, household hazardous waste, and biosolids composting. The site design includes various administration buildings, truck scales, parking areas, a large vehicles fueling station, and a solar farm. Building Information Modeling (BIM) was used to help visualize and convey the desired intent to potential stakeholders. Prepared typical street sections, and overall building and road grid alignment.



Continued.

**Eagle Creek Weir Refurbishment Design, Collier County, Florida. Senior Civil Engineer.** Provided civil site design for a remote canal weir maintenance enclosure. Prepared engineering drawings, including geometrical layout and site grading. Duties included preparation of demolition, engineering plans, civil site notes, erosion control plan, mangrove trimming plan, and site details.

**Lake Gwyn Park Design and Engineering Services, Polk County Parks & Natural Resources, Wahneta, Florida. Civil Engineer.** Presented proposed County park alternatives to non-English speaking audience, translated presentation slides, and collected audience members questions and concerns.

**Collier County Public Utilities Department Roofing Inspections, Naples, Florida. Civil Engineer.** Performed roof surveys and prepared findings reports. A comprehensive report was prepared based on the findings including a summary of roof conditions, roof plans, a photographic log with deficiencies, and repair recommendations.

**South Dade Landfill, Kimley-Horn & Associates, Inc., Miami, Florida. Senior Civil Engineer.** Provided civil site design for a household chemicals drop off area. Prepared engineering drawings, including geometrical layout. Duties included preparation of demolition, engineering plans, and earthwork calculations.

**Unmanned Facility Assessments, Collier County Board of Commissioners, Naples, Florida. Civil Engineer.** Prepared facility condition assessment reports to optimize long term facilities investment in Collier County. The analysis included walk-through visual inspections to collect the baseline data. Once the walk-through data was collected, appropriate estimates to correct any deficiencies were prepared. The expected renewal/correction costs were based on industry models. The findings were sorted, grouped together, and presented in a useful format, along with photo logs of each facility inspected.

**U.S. Postal Service Roofing, Various Locations in Southern Florida. Civil Engineer.** Project included 22 roof replacements. Performed site investigation, and prepared 30% design and final solicitation package (100% design). Upon award, performed construction administration, which involved submittal review, preconstruction meeting, change order review, onsite observation of replacement, and daily reports. All deliverables were submitted in accordance with the client's commitment schedule.

**Wahneta Infrastructure Master Plan, Polk County Parks & Natural Resources, Wahneta, Florida. Civil Engineer.** Performed a community workshop to discuss future improvement to the roads, drainage, and community sidewalks located within the Wahneta Community with the non-English speaking portion of the audience, translated presentation slides, and collected audience questions and concerns.

**Roof Testing and Consulting, The School Board of Broward County, Florida. Senior Civil Engineer.** Performed a comprehensive roof conditions assessment including survey and testing services at multiple school facilities for the School Board. Surveyed the roof and prepared as-built drawings, and roof condition reports, including recommendations for repairs and replacement.

**Collier County Facilities Condition Assessment, Naples, Florida. Senior Civil Engineer.** Responsible for conducting on-site condition assessment of unmanned facilities. Duties included evaluation of building envelope, such as plumbing, structural integrity, roofing, general site conditions, and building finishes. The output provided information to Collier County personnel that was used as a planning tool for short- and long-term maintenance budget requests.

**Pedestrian Bridges A & B, Miami Dade Parks, Recreation and Open Spaces Department, Miami, Florida. Senior Civil Engineer/Deputy Project Manager.** The project included the civil engineering design of a shared-use path and the approach to two pedestrian/bicyclist bridges, including the trail geometrical alignment design, grading plans, pavement markings, handrails location, access gates, and regulatory signage. Duties included preparation of engineering plans, site details, sign data tables, and project specifications. Provided construction administration services, including construction meetings notes, submittals review, technical inspections, site visit reports, project punch list preparation, letter of substantial completion, and project acceptance.

**Municipal Complex, City of Miami Gardens, Miami, Florida. Senior Civil Engineer.** Provided civil engineering design for a new government center. The project included city hall, police headquarters, and a multi-story parking garage. The project incorporated sustainable design and state-of-the-art green technology to achieve a LEED Platinum certification by the U.S. Green Building Council (USGBC).



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## Brian S. Hathaway, PE

### Engineering Services - Geotechnical Engineering



#### Relevant projects

- ▶ City of West Palm Beach Geotechnical Engineering Design Services and Materials Testing Contract
- ▶ City of Fort Lauderdale Geotechnical Engineering and Laboratory Services Contract

#### Core skills

Geotechnical and civil engineering, subsurface exploration techniques, site characterization, QA/QC materials testing, and civil construction

#### Education

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

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

#### Professional summary

Mr. Brian Hathaway is a licensed professional engineer with more than 17 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, Alabama, and Georgia. These projects have included 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. The services provided by Mr. Hathaway involve all aspects of the project lifecycle, including scope development, cost-estimating, subcontractor selection, project management, resource management, planning, execution, cost controls, scheduling, risk assessment, contract reviews, engineering design analyses, and technical reporting.

Mr. Hathaway has valuable field experience with the operations of various in-situ testing methods and data interpretation of in-situ and geophysical testing equipment, including dilatometer, CPT, pressuremeter, seismograph monitoring, and inclinometers. Mr. Hathaway has managed and setup materials testing laboratories and quality systems. He has laboratory experience with the performance of triaxial, consolidation, direct shear, and permeability testing configurations. He has provided project oversight for the design, installation, and inspection of drilled caissons, augercast piles, vibro-replacement stone columns, rammed aggregate piers (RAP), ductile iron pipe piles (DIP), driven steel pipe, and reinforced concrete piles. Mr. Hathaway has obtained certification through PDCA's Dynamic Measurement and Analysis Proficiency Test as a qualified Pile Driving Analyzer (PDA) operator.

#### Representative projects

**Professional Geotechnical Engineering Design Services and Materials Testing Contract, City of West Palm Beach, Florida. Senior Geotechnical Engineer.** Amec Foster Wheeler was selected by the City of West Palm Beach as a professional consultant to provide geotechnical, construction materials, and laboratory testing services. The projects under this contract are performed on a task work order basis. In general, the services consist of site exploration studies, geotechnical engineering design, laboratory testing services, construction inspection, materials testing, and construction QA/QC. The projects consist of site development for building structures and facility upgrades, roadways, sidewalks and streetscape improvements, bridge structures, drainage systems, utilities, lift stations, and water treatment facilities.

**Geotechnical Engineering and Laboratory Services Contract, City of Fort Lauderdale, Florida. Contract Manager/Senior Geotechnical Engineer.** Amec Foster Wheeler was selected by the City of Fort Lauderdale as a professional consultant to provide geotechnical,

#### Professional qualifications/registration(s)

Professional Engineer, Florida No. 60724

#### Certification and training

PDCA Dynamic Measurement and Analysis Proficiency Test

8-Hour First Aid/CPR

OSHA 24-Hour HAZWOPER

#### Experience

Amec Foster Wheeler: 2000

Industry: 2000

#### Professional development

Florida Engineering Society

National Society of Professional Engineers

Deep Foundation Institute

Pile Driving Contractors Association

Continued.

construction materials, and laboratory testing services. The projects under this contract are performed on a task work order basis. 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 construction quality control (QC) and quality assurance (QA). The projects consist of site development for building structures and facility upgrades, roadways, sidewalks and streetscape improvements, bridge structures, drainage systems, underground utilities and waste water treatment plants, and airport facilities.

**Design-Build for Jupiter Inlet Lighthouse Outstanding Natural Area, U.S. Fish & Wildlife Service Bureau of Land Management, Tequesta, Palm Beach County, Florida. Senior Geotechnical Engineer.** Amec Foster Wheeler was retained under our Multiple Award Task Order Contract (MATOC) with the U.S. Fish and Wildlife Service as the design-build prime and engineer-of-record for the Jupiter Inlet Trails project. The site is located on the Bureau of Land Management (BLM) property located adjacent to the Jupiter Lighthouse and bounded to east by the Indian River Intracoastal Waterway. The project consisted of a low-impact trail and observation platform. The design and construction included a small parking area, a trailhead with an information/orientation kiosk, approximately one-quarter mile of hard surface trail, an elevated boardwalk, and a viewing platform that overlooks a mangrove tidal lagoon. Responsible for geotechnical field explorations, site characterization, and timer piling foundation design for the elevated boardwalk and viewing platform.

**Lakeside Ranch Stormwater Treatment Area (North) and Pump Station S-650, South Florida Water Management District, Florida. Project Manager/Senior QC Engineer.** Responsible for technical oversight and engineering compliance with construction plans and specifications during earthwork, structural, electrical and mechanical construction inspections, and construction material testing construction services. Amec Foster Wheeler was contracted by SFWMD to provide geotechnical engineering support, construction management, inspection, and CMT services during the construction of the Lakeside Ranch STA North and Pump Station S-650 projects. The project site is located east of Lake Okeechobee and west of SR 710 (Bee Line Highway) on the boundary of Martin and adjacent Okeechobee Counties. The STA will encompass 2,700 acres and include a three-cell STA, distribution/outlet canals and water control structures. The project also includes improvements for the L-64 and L-63 Canals, involving the excavation of approximately 5,000 linear feet of canal below the control water elevation, partial reconstruction of approximately 4,120 linear feet of the L-64 Canal and replacement of the culvert/road crossing at CR 15B (structure S-667). In addition, S-650 Pump Station will receive flow from the L-64 Canal and discharge into the Lakeside Ranch STA distribution canal and into a three-inlet structure. S-650 Pump Station will have a combined pumping capacity of approximately 250 cubic feet per second. The construction activities will include earthwork and clearing operations, dewatering, deep excavations, as well as temporary and permanent sheeting for the structure concrete construction (starting at elevation +3.0).

**South Lake Conine Stormwater Treatment Area, City of Winter Haven, Florida. Senior Geotechnical Engineer.** Amec Foster Wheeler was contracted by the City of Winter Haven to provide engineering design services to permit and prepare construction drawings and technical specifications to improve the water quality of surface water drainage that currently discharges into Lake Conine. The site improvements, consisting of natural filter marshes, earthen embankment structures, water control structures, and wetlands will increase the hydraulic residence of stormwater run-off and removal of nutrients from stormwater through a natural filtering process. While doing so, retention ponds, marshes, and wetland lands will be developed, enriching local ecological habitats and creating a natural preserve area that can be accessed by the community and developed as a public park facility. Responsible for the scope development, proposal preparation, and management of the geotechnical design services. Served as technical lead of lab studies and was responsible for field exploration services, site characterization, and the development of engineering design parameters. Performed engineering design analysis inclusive slope stability, settlement, and erosion control and prepared an engineering design report with construction recommendations for the performance of nearly 7,000 earthen embankments, two stormwater ponds, five filter marshes, six overflow weir structures, and one pavement access area constructed over organic soils and fibrous peat.



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## Carlos A. Gallo, PE

### Engineering Services - Structural Engineering

#### Relevant projects

- ▶ Southern Nuclear Operating Company Project
- ▶ Savannah Harbor Expansion Project
- ▶ USPS Atlanta Processing and Distribution Center

#### Core skills

Design of low and mid-rise buildings, consisting of reinforced concrete, post-tensioned concrete, structural steel and structural masonry for office buildings, condominiums, hotels, and schools

#### Professional summary

Mr. Gallo is a structural engineer with extensive experience in the design of environmental, industrial, institutional, and commercial facilities. Mr. Gallo has provided lead roles and technical direction in his discipline on the projects assigned to him. His experience includes water and waste water treatment plants, industrial manufacturing facilities and a vast variety of miscellaneous structures consisting of reinforced concrete and structural steel buildings and structures, pre-engineered metal buildings foundations and structural masonry buildings. Typical structures include underground and above ground pump stations, clarifiers, filter buildings, intake structures, aeration basins, heavy equipment support process buildings, pipe support towers and bridges, shallow and deep foundations systems including mats and piles.

Mr. Gallo has also working experience in the design of low and mid-rise buildings, consisting of reinforced concrete, post-tensioned concrete, structural steel and structural masonry for office buildings, condominiums, hotels, and schools. Additionally, Mr. Gallo has working knowledge and experience with wind and seismic load calculations longhand and also by using structural analysis software utilizing the provisions of IBC 2012 and ASCE 7-10. He has also been involved in the field as a resident structural engineer during construction of a complete Waste Water Treatment Facility, acted as project manager for a masonry subcontractor and has performed several structural inspections and consultations for the City of Atlanta and surrounding counties.

Mr. Gallo has working knowledge of engineering and commercial software programs that includes STAAD.Pro, STAAD-Foundation, RAM Structural System, PCA-Column, PCA-Slab, Adapt-RC, Adapt-PT, Analysis Group, Enercalc, Microsoft Office (Excel, Word, Outlook). He has also working experience and proficiency using AutoCad laying out plans and detailing sections.

#### Representative projects

**Southern Nuclear Operating Company (SNOC), Inc., Georgia. Lead Structural Engineer.** Complete analysis and design of the facility. Structural work consisted in the evaluation of the proper piling foundation in a constrained area next to the Savannah river to support a reinforced concrete mat. The mat will hold heavy equipment loads and also a reinforced masonry building to house the electrical equipment. 24" diameter steel piping runs along the structure at different elevations and is supported on steel towers, miscellaneous supports on the ground and also attached to existing concrete structures.

**Savannah Harbor Expansion Project (SHEP) U.S. Army Corps of Engineers, Savannah, Georgia. Lead Engineer.** Construction administration of the Backriver and Upriver facilities located on the Savannah River shores. This \$120 million project consists in the construction of a large reinforced concrete intake structure founded in piles in the river shores along with large mat foundations for an electrical building and proprietary equipment founded also on piles. Several structural steel platforms, pipe support structures, jib cranes and trash debris rack structures bear at the top of the intake structures and mat structures.

#### Education

M.S., Civil Engineering,  
Georgia Institute of  
Technology

B.S., Civil Engineering,  
Pontifical Catholic University

#### Professional qualifications/ registration(s)

Professional Engineer,  
Georgia, Florida, Louisiana

#### Certification and training

NCCES Record Holder

#### Experience

Amec Foster Wheeler: 2015  
Industry: 1999



Continued.

**Atlanta Processing and Distribution Center, United States Postal Service, Atlanta, Georgia. Lead Structural Engineer.** Analysis and retrofit design of a 450,000 square foot facility roof. The work consisted to reinforce the existing structural steel purlins, joist girders, and replacing some of the existing joists to support 20 new Roof Top Units weighing almost 16,000 pounds. Accurate position of the units and applied loads had to be detailed and coordinated with the joist fabricator that supplied the joists and joist girders to properly reinforce each member of the joist girders as required by the analysis, since the existing structure was built in 1977.

**Sabic Project, Indiana. Area Lead Project Engineer.** Multi-site heavy industrial large project. In charge of the analysis, design and coordination with heavy mechanical equipment and piping located at different levels of a 70 feet high structural steel tower with an adjacent stair tower. The common concrete mat foundation of these towers included several large tanks and equipment that had to be seismically designed taking into account the different vibration phases of each piece of equipment and towers. Big pump foundations, pipe bridges and miscellaneous concrete structure were part of the assigned project area.

**Cedar Creek Water Treatment Plant. Lead Structural Engineer.** Analysis and design of the plant. This facility includes a pre-engineered metal building with long spans supported on specially reinforced concrete piers, each bearing on a shallow footing foundation system. Building encloses a reinforced concrete slab with several vaults, trenches, a lower level area and an interior building consisting of reinforced masonry shear walls supporting a precast hollow core roof designed for storage area.

**South Columbus Water Resource Facility Upgrades, Columbus Water Works, Columbus, Georgia. Lead Structural Engineer.** Analysis, design and specifications of the expansion and improvements to the facility, which includes a reinforced concrete double grit removal containment structure, and elevated grit dewatering platform structure, aeration basin overhead steel framed pipe supports and the retrofit of the existing sludge thickener building to accommodate new steel frame supports and access platforms around a new belt press.

**North Columbus Water Resource Facility Upgrades, Columbus Water Works, Columbus, Georgia. Lead Structural Engineer.** Design and specifications for demolition of the draining media located inside five filter buildings. This work included also the modifications, retrofitting and installation of new underdrain filter systems and the introduction of miscellaneous access doors and equipment to fit in the existing structures.

**West Nassau Water Treatment Plant, JEA Jacksonville, Florida. Lead Structural Engineer.** Design of the pump station facility that included a building with precast hollow core roof on reinforced masonry shear walls, a structural steel canopy, a reinforced concrete hypochlorite containment structure and ground storage tank drainage structure.

**West Georgetown Water Improvements, Georgetown County Water and Sewer District, South Carolina. Lead Structural Engineer.** Analysis and design of a process building that consisted of reinforced masonry shear walls with a precast hollow core roof. Building rests on a reinforced concrete foundation enclosing a lower level pipe gallery. The structure is located in a high seismic area that bears on potentially liquefying soils needing the introduction of special earthquake drains.

**Belair Drainage Pump Station, Plaquemines Parish, Louisiana. Lead Structural Engineer.** Analysis and design of a reinforced concrete elevated platform supported on steel pipe piles and aerial pipe supports on concrete piles above drainage canal. Project consisted also in the design of an elevated oil tank tower and containment structure.

**Oakmont Reclaimed Water Pump Station, Gainesville Regional Utilities, Gainesville, Florida. Lead Structural Engineer.** Analysis and design of the pump station facility that included a building with pre-engineered light gage roof trusses on reinforced masonry shear walls, a reinforced concrete hypochlorite containment structure and ground storage tank drainage structure.

**Williams Bayou Pumping Station, Bay County, Florida. Lead Structural Engineer.** Complete design of a reinforced concrete pump station structure on concrete piles, hydro burst tank foundation, miscellaneous pipe supports and the reinforced concrete foundation for the switchgear and VFD drives.



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## Ricardo Fraxedas, PE

### Environmental/Permitting - Environmental Services



#### Relevant projects

- ▶ Monroe County Residential Canals Inventory, Water Quality Assessment, and Geographical Information System Services
- ▶ Miami-Dade County Aviation Department Opinion of Cost

#### Core skills

Environmental regulatory affairs and resolution of environmental issues for commercial and government clients; assessments, remediation, and litigation support

#### Education

Master of Science,  
Environmental Engineering,  
University of Florida, 1977

Bachelor of Science,  
Microbiology, University of  
Florida, 1975

#### Professional summary

Mr. Ricardo Fraxedas is a Chief Engineer with 37 years of environmental engineering experience. He has an extensive background in environmental regulatory affairs and resolution of environmental issues for commercial and government clients. He has been responsible for assessments, remediation, and litigation support for a variety of industries and sites, including airports, fuel terminals, manufacturing facilities, educational facilities, and waste disposal sites in the United States, Caribbean, and Latin America. He has authored articles and presented numerous lectures on environmental consulting, site assessments, design of remediation systems, and environmental regulatory compliance and sustainability. He has also served as an expert witness on various environmental compliance, remediation, and permitting matters and has provided review and interpretation of Latin American environmental regulations for multi-national clients.

Prior to joining Amec Foster Wheeler, Mr. Fraxedas served as the head of the hazardous materials section for Miami-Dade County, Florida. In this role, he authored the county's underground storage tank regulations and industrial waste pretreatment regulations. He was responsible for the investigations and remediation of contaminated sites, including one of the first Superfund cleanups to be completed.

#### Representative projects

**Residential Canals Inventory, Water Quality Assessment, and Geographical Information System Services, Monroe County Marine Resources Department, Florida. Program Manager.** Services included inventory and assessment to determine physical characteristics of water in canals in residential areas of the Florida Keys. The program included review of existing data and setup of a GIS database and metadata file of information on the canal system. Since the initial services, the program has expanded to the current evaluation, selection, and installation of demonstration technologies to improve the water quality in selected Monroe County Canals. Mr. Fraxedas participated in outreach programs to disseminate information to homeowners and residents to explain the goals of the program and educate residents on Best Management Practices to prevent water quality degradation in their canals. Mr. Fraxedas has been active in meeting with individual homeowners, County staff, and other stakeholders to explain the program goals and address issues and concerns dealing with the implementation of the various program components. As the program manager, Mr. Fraxedas has been involved in the technology evaluation and selection as well as the oversight of technology installation permitting and construction projects.

**Opinion of Cost, Miami-Dade County Aviation Department, Miami, Florida. Program Manager.** Reviews cost projections for anticipated environmental remediation to the County and provides guidance and addresses questions from the county's financial auditors. Provides consulting services to document the costs spent on environmental projects at Miami International Airport (MIA), and to project the cost of moving forward with assessment and remediation at the airport. The project initially was focused on a consent agreement between Miami-Dade County Aviation Department (MDAD) and the local regulatory agency, Miami-Dade Department of Environmental Resources Management (DERM). The project

#### Professional qualifications/ registration(s)

Professional Engineer, Florida  
No. 43287

#### Certifications and Training

Qualified Stormwater  
Management Inspector,  
Florida No. 25665

#### Experience

Amec Foster Wheeler: 2003  
Industry: 1979

Continued.

evolved from the initial scope, which projected cleanup levels of soil to “clean fill” and cleanup of groundwater to Florida drinking water standards (Chapter 62-550) of the Florida Administrative Code.

**Environmental Services, Beckman Coulter, Hialeah, Florida. Project Manager.** As key client contact, provided client communications and reviewed and sealed engineering submittals to the regulatory agencies. Provided environmental services at various sites in Hialeah, Florida. Projects included the spill cleanup for a 1,000-gallon diesel fuel release from an above ground storage tank at Building 740. Excavated and disposed of approximately 2,100 tons of impacted soils, and 25,000 gallons of petroleum contact water, and restored the site. Performed post source removal site assessment for soil and groundwater delineation and prepared source removal and site assessment reports. Additional projects included air samples for lead dust and mercury and a Phase II ESA to evaluate the potential impacts from paint cleaning solvents and assessment of the former underground wastewater pretreatment tank.

**Las Olas Boulevard Groundwater Monitoring, City of Fort Lauderdale, Florida. Project Engineer.** Performed quarterly monitoring events to monitor isopropylbenzene and polynuclear aromatic hydrocarbons in the groundwater. Prepared a RAP for removal of contaminated soil to expedite the remediation process to construct a proposed replacement pump station. Assisted the City with bid specifications for the bid package for the construction of the pump station and handling of contamination. It included site safety, environmental issues such as free product and contaminated soil, contaminated water dewatering, surface water controls, environmental permitting, and waste handling, etc. **Reference:** Larry Teich, Project Manager, 954.828.7844, lteich@fortlauderdale.gov.

**Chick-Fil-A Site, Bank of America, Fort Lauderdale, Florida. Project Engineer.** Performed supplemental ESAs at the 20,000 square-foot parking lot for Bank of America. Petroleum hydrocarbon discharges were discovered during due diligence activities for a potential real estate transaction. The Phase II investigation identified Benzo(a)pyrene (BaP) in soil, and benzene and xylenes in groundwater at levels exceeding the regulatory limits. Submitted the discharge notification to Broward County and performed additional soil and groundwater assessments.

**Environmental Services at a Former FPL Site, Miami-Dade Aviation Department, Miami, Florida. Project Principal/Project Engineer.** Installed several groundwater delineation monitoring wells in the airside and landside portion of MIA. Site access for drilling was coordinated with MIA airside operations and airport tenants. Prepared and submitted quarterly groundwater monitoring reports for arsenic. Also prepared a draft covenant for Institutional Controls running with the land to Miami-Dade County Department of Regulatory and Economic Resources (RER) to qualify for a No Further Action (NFA) with Conditions Closure for groundwater at the site. **Reference:** Rod Buenconsejo, Project Manager, 305.876.0268, rbuenconsejo@miami-airport.com

**Permitting Services, American Tire Recycling Group, LLC, Miami, Florida. Project Manager/Project Engineer.** Provided assistance in permitting the tire collection, shredding, and recycling facility. The permitting effort required coordination between DERM, the Miami-Dade Solid Waste Department, and FDEP. Worked closely with the facility architect and the shredding equipment suppliers in order to create a facility that would be approvable. Research was performed and presentations were made to the applicable agencies to show that the facility would be a legitimate recycler and not a transfer or disposal facility.

**Various Environmental Projects, Chevron Environmental Management Company, Latin America and the Caribbean. Principal Engineer.** Services provided include ESAs, remedial system design, site remediation, and interaction with regulatory agencies in several countries. Awarded a “Best in Class Performance” service award from Chevron in 2011. As part of the services for one of the sites in Nicaragua, a presentation to the Supreme Court in Managua was provided in Spanish to establish the appropriate cleanup protocol. Projects included:

- ▶ Jamaica ECR Sites, Jamaica
- ▶ Texaco Pollyberg, St. Thomas
- ▶ Texaco Tabarre, Port-au-Prince
- ▶ Paramaribo (Suriname) Site Remediation, Paramaribo
- ▶ Grand Cayman Island Groundwater Sampling and Site Remediation, George Town, Grand Cayman
- ▶ Coenesa Generacion Site Assessment, Rio Dulce



## Jeremy M. Paris, PWS

### Environmental/Permitting - Permitting



#### Relevant projects

- ▶ Monroe County USEPA Grant Water Quality Improvement
- ▶ Florida Keys Overseas Heritage Trail Restorations

#### Core skills

Environmental services, biological assessments, wetland delineation, wetland determinations, species identification, and mangrove protection

#### Education

Master of Science, Wetland Ecology, University of Florida, 2005

Bachelor of Science, Plant Science, University of Tennessee, 2001

#### Professional summary

As a project manager and senior biologist with Amec Foster Wheeler, Mr. Jeremy Paris is a valuable resource in a range of environmental services, compliance, ecological permitting, and biological assessments. Mr. Paris has a portfolio of a coastal biologist for Monroe County, South Florida and Southwest Florida Water Management Districts, United States Department of Defense, and the National Oceanic Atmospheric Association.

As a project manager, he has been responsible for all phases of environmental projects, including ecological assessment and permitting, research and development, civil design, including design development, as well as environmental compliance for large-scale transportation projects.

As a senior scientist, Mr. Paris' responsibilities include technical writing, research, and review of regulatory statutes; vegetative restoration; hydrologic restoration; sensitive aquatic resource assessments; wetland determinations; species identification; and mangrove protection. Mr. Paris regularly develops and participates in coastal water and sediment quality studies, stormwater, groundwater, effluent, and soil sampling.

#### Professional qualifications/registration(s)

Professional Wetland Scientist, No. 2306

#### Certifications and training

USACE-approved Indigo Snake Monitor

USACE-approved Bird Monitor

#### Experience

Amec Foster Wheeler: 2009

Industry: 2005

#### Representative projects

**USEPA Grant Water Quality Improvement, Monroe County, Florida. Project Manager/Senior Biologist.** On behalf of Monroe County and the NOAA Water Quality Canal Subcommittee, wrote a grant to fund the collection of sediment and water quality data from within the Florida Keys National Marine Sanctuary. The EPA awarded the grant in August 2016. Conducting two separate scopes of work for the purpose of characterizing water quality and sediment quality in the Florida Keys canals located within sanctuary boundaries. Sediment cores (135 cores) are being collected from 15 canals using a piston core sampler deployed from a mini-barge. The sediment cores will be characterized, sampled, and analyzed for a host of parameters to determine the presence or absence of contamination. Water quality is monitored along a depth profile in 312 canals using a multi-parameter meter. Dissolved oxygen, temperature, salinity, and conductivity are being measured to determine the locations of anoxic zones within the marine sanctuary.

**Florida Keys Overseas Heritage Trail Restorations, Florida Department of Environmental Protection, Monroe County, Florida. Wetlands Scientist.** Developed pre-construction plans for the restoration of three disturbed sites located within the Crocodile Lake National Wildlife Refuge. The plans were a U.S. Fish and Wildlife requirement for the loss of wood rat habitat as part of the trails project. Designed the planting plan and invasive species management plan. Provided biological monitoring during the construction.

**USEPA Grant Water Quality Improvement, Monroe County, Florida. Project Manager.** Assisted Monroe County in writing the 2015 water quality grant. Conducted four separate scopes of work for the purpose of identifying alternative methods of improving water quality in Monroe County residential canals as well as identifying funding mechanisms for development of a countywide restoration program. The aforementioned studies included



Continued.

the following: 1) A method for conducting sediment washing to reduce sediment salinity concentrations in canal sediments with application to future dredge projects; 2) Conceptual designs for three alternative technologies for in-situ organic sediment treatment with associated engineering cost estimates; 3) Conceptual designs for the top three alternative technologies for improvement of canal water quality; and 4) Completion of a business plan, which will provide the County with a practical guide to achieving its strategic goals for funding future canal water quality improvement projects.

**Canal Master Plan (Phase I and II) Water Quality Monitoring and Biological Evaluation, Monroe County, Florida. Field Scientist.** Conducted water quality monitoring and limited biological assessments on several hundred canals throughout Monroe County, Florida. During phase I, utilized data sets developed during canal visits as well as existing information to rank a subset of canals for potential restoration.

**Ecological Evaluations and Permitting Services, All Aboard Florida High Speed Passenger Rail, South Florida. Senior Biologist.** Led a team of scientists, engineers, and public policy experts for the purpose of completing the permitting phase of the high speed passenger rail project. Responsible for obtaining permits from the United States Coast Guard, United States Army Corps. Of Engineers, South Florida Water Management District, and St. Johns Water Management District. Conducted in-water benthic surveys for 16 railroad bridges along Florida's east coast for the purpose of identifying sensitive aquatic resources and assessment of the North South corridor for wetland resources and threatened and endangered species. Served as the prime author of the environmental permit sections dedicated sensitive aquatic resources, wetlands, and the protection of state and federally-listed threatened and endangered species (i.e. smalltooth sawfish, West Indian manatee, and numerous species of sea turtles). Responsible for coordinating the Section 7 endangered species consultation with both NOAA Fisheries and USFWS. Served as the co-author of the Endangered Species and Biological Assessment submitted to NOAA and the Biological Assessment submitted to USFWS. Primary author of the Environmental Impact Statement (EIS) Technical Memorandums on Public Utilities and Energy Consumption and co-author of the EIS Tech Memo titled Summary of Impacts Cumulative. Participated in the EIS public scoping events for Miami-Dade and Broward Counties. Currently serves the project by providing guidance to the design-build team on environmental compliance issues.

**Gulf of Mexico Regional Environmental Baseline Study – Phase I, AMEXHI Senior Biologist/Deputy Project Manager.** Assisted in the management of the project and was responsible for reviewing deliverables before their submittal to the group's members. In addition, was the primary author of the Gap Analysis performed on the Preliminary Environmental Baseline Study Report.

**Eagle Creek Weir, Collier County, Florida. Project Manager/Senior Biologist.** Conducted structural testing of the Eagle Creek Weir, evaluated and designed the weir's flood control gates and hardware, designed an employee service access area with security fencing, performed an assessment of the environmental conditions for SFWMD and USACE permitting, and reviewed existing hydrologic studies to evaluate the weir's current elevation to prevent flooding. Prepared the documentation for USFWS consultation for the federally-listed bonneted bat.

**Canal Demonstration Projects, Monroe County, Florida. Senior Biologist.** Performed wetland, benthic (seagrass, coral, and sponges), and sediment surveys as part of the projects design and permitting (local, state, and federal). Developed and presented an outreach presentation for three public scoping meetings that were attended by representatives from both public and private sector. Primary author of the Biological Assessment and Essential Fish Habitat reports which were submitted and concurred on the USFWS and NMFS PRD and HCD, respectively. Completed and submitted permit applications to USACE, NOAA National Marine Sanctuary, and the South Florida Water Management District.

**Threatened and Endangered Species Surveys, MacDill Air Force Base, Tampa, Florida. Field Scientist.** Performed protected species surveys for the Florida mouse and bald eagle. The ecological services included migratory bird surveys within beach and coastal ecosystems. Additional services included nesting surveys for bald eagle fledglings, delineation of mangrove forests, and identification of migratory birds.



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## Beth L. Howard, EI

### Environmental/Permitting - Permitting



#### Relevant projects

- ▶ Former Broyhill Furniture Company Conover Plant
- ▶ Environmental Services at Former Cardinal Chemicals Facility
- ▶ TSG Finishing Plant

#### Core skills

Environmental site assessments, soil and groundwater remediation, and groundwater monitoring

#### Education

Bachelor of Science,  
Environmental Engineering,  
University of Florida, 2012

#### Professional qualifications/ registration(s)

Engineer Intern

#### Experience

Amec Foster Wheeler: 2015  
Industry: 2012

#### Professional summary

Ms. Beth Howard is a graduate from the University of Florida and has more than three years of experience in the environmental consulting field. Her primary responsibilities as an engineer at Amec Foster Wheeler include Phase I and II environmental site assessments (ESAs); conducting groundwater, soil, soil-gas, and indoor air sampling events; and supervising underground storage tank removals and soil excavation activities. She also has extensive experience with dam observations in support of assessing dam stability. Her fieldwork experience has primarily been in Florida, Georgia, North Carolina, South Carolina, New York, and New Jersey.

#### Representative projects

**Former Broyhill Furniture Company Conover Plant, Conover, North Carolina. Staff Environmental Engineer.** Provided various environmental consulting services at the former Broyhill Furniture Company Conover Plant. Services at the site included soil-gas boring installation and sampling in general accordance with the North Carolina Department of Environment and Natural Resources (NCDENR), Division of Waste Management (DWM) Vapor Intrusion Guidance. Responsible for reviewing workplans for the delineation of contamination via soil-gas sampling and preparing report deliverables in accordance with workplans.

**Environmental Services, Former Cardinal Chemicals Facility, Greensboro, North Carolina. Staff Environmental Engineer.** Services included delineation and removal of soils impacted by select pesticides and herbicides at the Former Cardinal Chemicals Facility. Disposal area is 30 feet long by 20 feet wide and waste materials were worked into the soils to a depth of approximately 13 feet below ground surface. Responsible for supervising and conducting the delineation and excavation of approximately 800-tons of impacted soils, conducting waste-characterization sampling of on-site soil stockpiles, conducting post-excavation confirmation soil sampling activities, and preparing report deliverables.

**Groundwater Monitoring, Sampling and Reporting and System O&M, Confidential Client, Union, South Carolina. Staff Environmental Engineer.** Responsible for supervising the installation of groundwater monitoring wells, conducting groundwater sampling events, and preparing report deliverables. The project included environmental services related to the delineation, sampling and monitoring of volatile organic compound (VOC)-impacted groundwater resulting from historic on-site activities. Conducted an Air Sparge AS11-13 installation and utilization in 2014.

**TSG Finishing Plant, Soil Assessment and Groundwater Monitoring, Conover, North Carolina. Staff Environmental Engineer.** Responsible for supervising the installation of groundwater monitoring wells, conducting soil and groundwater sampling events, and preparing report deliverables. The project included a groundwater assessment on a 3.14-acre parcel of land containing an approximate 48,000-square-foot synthetics finishing plant. Samples were taken from six monitoring well locations in order to determine the concentrations of VOCs found in the groundwater by EPA Method 6200.

Continued.

**Groundwater Remediation, Charlotte Gateway Village, LLC, Charlotte, North Carolina. Staff Environmental Engineer.** The project included operations, maintenance, and monitoring of the permanent dewatering treatment system. Assisted client in NPDES permitting and maintained compliance with NPDES permit by performing operator-in-responsible-charge (ORC) inspections, monitoring, and reporting. Provided monthly system inspection visits by a certified ORC and monthly discharge monitoring reports to the NCDENR for a three-year period. Amec Foster Wheeler provided consulting services regarding water quality issues for use of reclaimed groundwater for the facility's cooling towers as part of a LEED initiative for LEED Gold for Existing Buildings: Operations and Maintenance certification for the Gateway Village 900 building. Managed financial aspects of the project and acted as primary client contact.

**Wastewater Treatment Plant and Former Drum Cleaning Area - Elkin, CMI Industries, Elkin, North Carolina. Staff Environmental Engineer.** Provided services to address environmental contamination at the CMI Wastewater Treatment Plant and Former Drum Cleaning Area site, which is part of a multi-parcel textile mill complex. Services included soil and surface water sampling, installation of two monitoring wells, sampling and analysis of the monitoring wells, removal of the remaining silt fence, and a risk-based RAP addendum report for the Former Drum Cleaning Area site.

**Environmental Services, Confidential Client, New York, New York. Staff Environmental Engineer.** Responsible for preparing workplans for the delineation of petroleum contamination via sampling of soil, groundwater, sediment, sub-slab soil-gas, and indoor air; supervising the installation of groundwater monitoring wells; conducting soil, groundwater, sediment, sub-slab soil-gas and indoor air sampling in accordance with workplans; and preparing report deliverables. The project included environmental services conducted at the 125<sup>th</sup> Street branch of Columbia University in New York City.

**Phase I Environmental Assessments, Confidential Client, New York and New Jersey. Staff Environmental Engineer.** Responsible for conducting Phase I ESAs and preparing report deliverables. The project included Phase I ESAs for approximately 30 retail service station and petroleum/home heating oil storage and distribution properties located in two states in the Northeastern U.S. (New York and New Jersey), completed within six months.



# R. Michael Jones, PLS, CFedS

## Survey and Mapping



### Relevant projects

- ▶ SR 5 (U.S. Highway 1) Subsurface Utility Engineering Services
- ▶ Pine Hills Recreation Trail Phase II Evaluation and Review

### Core skills

Survey management, project planning, estimating, implementation, geodetic control surveys, engineering design surveys, subsurface utility surveys, bathymetric surveys, and boundary determinations

### Professional summary

Mr. Michael Jones is a Senior Principal Surveyor and Project Manager as well as a registered Professional Land Surveyor with more than four decades of professional experience in surveying and mapping. He is extremely proficient in all aspects of survey management, including project planning, estimating, and implementation. He has specific expertise in the areas of geodetic control surveys, engineering design surveys, subsurface utility surveys, bathymetric surveys, and boundary determinations. He has managed surveying and mapping projects for government agencies at the local, regional, and state levels, including SWFWMD, SFWMD, Tampa Bay Water, USACE, and FDEP.

### Representative projects

**SR 5 (U.S. Highway 1) Subsurface Utility Engineering Services, Florida Department of Transportation District 6, Key West, Florida. Project Manager.** Provided SUE services along Florida SR 5, also known as U.S. Highway 1 or the "Overseas Highway" in Monroe County. Services included location, verification, and mapping of a 24-inch water main that supplies the Florida Keys to support roadway design. Responsible for overseeing project, signing, and sealing final documents.

**Pine Hills Recreation Trail Phase II Evaluation and Review, Orange County Parks and Recreation Department, Orlando, Florida. Project Manager.** Responsible for review and evaluation of title work for 3.5-mile recreational trail acquisition parcels and necessary survey activities for documentation. Work involved 40 parcels. Responsible for overall project direction, management, and review.

**Continuing Surveying Services, City of Orlando, Florida. Project Manager.** Served as project manager from 1993 to 1999, 2001 to 2008, and 2011 to 2013 under three separate contracts. Work under these contracts has involved supporting various City departments, including Public Works, Engineering, Legal, Parks and Recreation, and Drainage. Assignments have included platting, boundary and topographic surveys, utility designation and location, and geodetic control surveys.

**Home Office Security and Parking Area Improvements, CFI/Wesgate, LTD., Orlando, Florida. Principal Surveyor.** Provided topographic and utility location surveys and civil site engineering services for redevelopment of site parking area at a two-building office complex. Site included high-voltage electrical tower. The tower's easement/ROW rights across parcel were taken into consideration for permitting and design. Services included provision of additional parking and gated entryway to seal parcel within fenced periphery. Engineering included layout, utility, grading, pavement plans, and site details. Responsible for oversight and coordination of all survey activities, serving as client liaison, and signing and sealing all survey documents.

**Rock Pond Restoration Project, Southwest Florida Water Management District, Tampa, Florida. Survey Project Manager.** Responsible for all surveying and mapping activities to support the rehabilitation and restoration of this 4,500-acre parcel in south Hillsborough

### Education

Associate of Science, Civil Engineering, Central Florida Community College, 1976

Associate of Science, Land Surveying, Central Florida Community College, 1976

Coursework, Surveying and Mapping, University of Florida

### Professional qualifications/registration(s)

Professional Land Surveyor, Florida No. LS4201, Georgia No. LS2367, Alabama No. LS16447, Mississippi No. LS3172, Texas No. LS6231, California No. LS8707

Certified BLM Federal Surveyor, No.1486

### Certification and training

Standards of Practice

Physical Evidence for Boundary Surveys

Chapter 455 Florida Statutes  
Finding and Sizing a Section  
Hunting Easements and Right-of-Way

Business Management for Surveyors

Bureau of Land Management  
Certified Federal Surveyor  
Training

### Experience

Amec Foster Wheeler: 1987  
Industry: 1976



Continued.

County. Survey activities involved topographic surveys of specific project areas and the bathymetric survey of a +/-85-acre existing man-made lake using a single beam echosounder in conjunction with GPS RTK navigation and positioning systems.

**Minimum Flows and Levels Bathymetric and Topographic Surveys of Estero Bay Tributaries, South Florida Water Management District, Lee County, Florida. Project Manager.** Responsible for providing surveying and mapping services to support the District's ongoing MFLs study of Estero Bay. Performed bathymetric and overbank topographic surveys of the bay's primary tributaries, including Hendry Creek, Mullock Creek, Estero River, Spring Creek, and Imperial River from U.S. 41 to their confluence with the bay, for a total of 35 miles of waterways. Utilized a specialized shallow draft vessel equipped with an Odom HydoTrac single frequency echo sounder and shallow water transducer coupled to a Trimble GPS navigation/positioning system with an inertial measurement unit to acquire the bathymetric survey data.

**Annual Surveying and Mapping Services, St. Johns River Water Management District, Florida. Contract Manager.** Projects were primarily related to water resources studies and design, scientific studies, and land management. Included geodetic control, topographic, hydrographic, and specific purpose surveys.

**Statewide Continuing Surveying and Mapping Services Contract, Florida Department of Environmental Protection, Florida. Contract Manager.** Responsible for the successful completion of more than 115 task assignments performed under five successive contracts since 1994. Work under these contracts has involved land acquisition, land management, and land restoration survey projects associated with the state's land acquisition programs to include Save our Rivers, Rails to Trails, Conservation and Recreational Lands (CARL), P-2000, and Florida Forever.

**Shingle Creek Trail Design and Planning Services, City of Orlando, Florida. Principal Surveyor.** Provided site planning, design, project management, construction inspection, ROW coordination, and permitting services for development of a 4.5-mile-long, 14-foot-wide pedestrian, bike, and skating path alongside Shingle Creek in Orlando. The creek is a starting point for rainwater flowing to the Florida Everglades. Project is divided into the 3.25-mile phase I and 1.25-mile phase II sections. Responsible for managerial oversight and direction for all survey activities and serving as client liaison.

**Condominium Site Survey, Platting, and Documents Preparation, Colby Woods RV Park, Silver Springs, Florida. Project Manager.** Responsible for surveys, platting, mapping, and preparation of documents for proposed site of condominium development at RV park location. Work included creation of easements beneficial to future condominium properties, along with lot line development, and overseeing and directing project activities.

**Groveland Development Conceptual Design Topographical Survey, Groveland, Florida. Principal Surveyor.** Provided topographic survey to locate aboveground existing improvements and elevation data, threatened/endangered species survey, preliminary geotechnical work including soil borings, and civil-site conceptual designs for potential real estate development along SR 50. Responsible for principal-level oversight and coordination of all survey efforts, and signed and sealed survey documents.

#### **Memberships/affiliations**

American Association for Geodetic Surveying

National Society of Professional Surveyors

Florida Surveying and Mapping Society

American Society of Civil Engineers



amec  
foster  
wheeler

## Charles B. Gardiner, PLS, CFedS

### Survey and Mapping



#### Relevant projects

- ▶ SR 5/U.S. Highway 1 Subsurface Utility Engineering Services
- ▶ Miami-Dade County Surveying and Mapping Services

#### Core skills

Management of personnel and resources, scheduling and tracking of projects, quality assurance, geodetic surveying (conventional and GPS), route/design surveying and mapping, and boundary surveying

#### Education

Bachelor of Science,  
Surveying and Mapping,  
University of Florida, 1987

Associates of Science, Civil  
Engineering, Central Florida  
Community College, 1984

#### Professional summary

Mr. Charles Gardiner has more than 34 years experience in a wide range of surveying and mapping activities, including management and execution of projects for both private and public sector clients. His extensive technical background accentuates his ability to manage personnel and projects effectively. He is currently the Operations Manager of the Surveying and Mapping department for Amec Foster Wheeler's Orlando, Florida office. In this capacity, he is tasked with the management of personnel and resources, scheduling and tracking of projects, and quality assurance within the department.

He has specific expertise in geodetic surveying (conventional and GPS), route/design surveying and mapping, boundary surveying, and a background with an emphasis on the new technologies, including GNSS, GIS, and LiDAR being utilized for the surveying and engineering professions.

#### Representative projects

**SR 5/U.S. Highway 1 Subsurface Utility Engineering Services, Florida Department of Transportation District 6, Key West, Florida. Principal Surveyor.** Provided SUE services along SR 5, also known as U.S. Highway 1 or the "Overseas Highway" in Monroe County. Services included location, verification, and mapping of 24-inch water main that supplies Florida Keys to support roadway design. Responsible for providing QA/QC oversight.

**Surveying and Mapping Services, Miami-Dade County, Florida. Project Manager/Surveyor.** Since 2004, under three successive contracts has been responsible for the successful completion of survey projects to support engineering and design missions. Typical assignments included right-of-way surveys, utility locations, topographic surveys, boundary surveys, bathymetric surveys, and the preparation of legal descriptions and sketches.

**As-Built Construction Survey, Construction Materials Testing and Threshold Inspection, The Vue Condominiums at Lake Eola, Orlando, Florida. Principal Surveyor.** Construction as-built surveys on as-needed basis prior to construction of 35-story, 384-unit condominium tower along Lake Eola in heart of downtown Orlando. Also scheduled to provide construction materials testing and threshold inspection services during construction. Responsible for providing QA/QC oversight for survey-related activities including an unusual, innovative technique for surveying elevator shafts in this 30-story structure

**Continuing GIS Support, International Drive Master Transit and Improvement District, Orlando, Florida. Survey Project Manager.** GIS Support Services provided on a continuing basis to the International Drive Master Transit and Improvement District, located in Orange County's bustling tourist district south of Orlando. Maintained an ESRI ArcView GIS geodatabase for this special taxing district. Information was provided on demand at the client's request, including mapping of specific data queries and providing data subsets in client-specific formats.

#### Professional qualifications/registration(s)

Professional Land Surveyor,  
Florida No. LS5046, North  
Carolina No. L4598, South  
Carolina No. 27735, Missouri  
No. 2011017289, Louisiana No.  
5077, Oklahoma No. LS1836,  
Ohio No. PS8614, Indiana No.  
LS21500006

Certified BLM Federal  
Surveyor, No. 1475

#### Certification and training

Terrestrial Laser Scanning

Standards of Practice

Surveying Water Bodies and  
MHW Lines

Geographic Information  
Systems

Starting and Operating a  
Surveying Business

Swamp and Overflow Lands  
CERP Vertical Controls

Bureau of Land Management  
Certified Federal Surveyor  
Training

#### Experience

Amec Foster Wheeler: 1988  
Industry: 1982

Continued.

**Drainage System Topographic and Aerial Surveys, Miami-Dade County Department of Environmental Resource Management, Miami, Florida. Principal Surveyor.** Topographic and aerial surveys in support of drainage improvement project covering approximately 20 city blocks and more than 25,000 linear feet. Responsible for providing QA/QC oversight for project activities; ensured that all work was accomplished in accordance with Florida Administrative Code and all other governing statutes and standards.

**Statewide Continuing Surveying and Mapping Services Contract, Florida Department of Environmental Protection, Florida. Project Manager/Surveyor.** Has served as project manager since 1995 under five successive contracts. Work under these contracts has involved land acquisitions, land management, and land restoration projects associates with the state's land acquisition programs to include Save our Rivers, Rails to Trails, Conservation and Recreational Lands (CARL), P-2000, and Florida Forever.

**Condominium Site Survey, Platting, and Documents Preparation, Colby Woods RV Park, Silver Springs, Florida. Principal Surveyor.** Provided surveys, platting, mapping, and preparation of documents for proposed site of condominium development at a RV park. Work included creation of easements beneficial to future condominium properties, along with lot line development. Responsible for principal-level oversight and review.

**Etoniah Creek Property Acquisition Surveying and Mapping, Florida Department of Environmental Protection, Florahome, Florida. Project Manager.** Provided surveying and mapping for acquisition of properties in Etoniah Creek west of Palatka. Area comprised of approximately 12,000 acres and identified as black bear habitat and the link between Ocala and Osceola National Forests. Amec Foster Wheeler served as surveying/mapping consultant since 1994. Responsible for managing and directing all survey activities.

**Roadway, Bridges and New Base Entry Gate Design Services Camp Lejeune, U.S. Department of the Navy, Camp Lejeune, North Carolina. Principal Surveyor.** Design and final PS&E for a new base entry point, new security gate, 6.5 miles of new divided highway used in the interior of the base, four new interchanges, at-grade intersections and thirteen new bridges over existing water bodies or roadways. Additionally, two miles of existing street widening has been added to the contract. Services include full topographic survey; SUE; geotechnical field investigations; traffic data collection analysis and simulation modeling. Also included are NEPA analysis and documentation for NC24, additional traffic studies, fish habitat studies and USCG Section 9 permitting; anticipated wetland impact and proposed mitigation; environmental permitting process for staging the project (404/401 and USGS permitting); and sustainability goal management. Responsible for providing principal level review of all project activities and products including mapping geodetic control, alignment, hydrographic, topographic, utility location and burrow pit surveys to support roadway and bridge design.

**Horizons West Community RIBs Boundary Survey, Orange County Utilities Department, Orlando, Florida. Principal.** Reestablishment of boundaries of the RIB No. 6 site, including control surveys, section retracement surveys and boundary mapping, for primarily residential community covering 1,320 acres. Project area includes 11 miles of boundary line and services also included establishing Rights-of-Way for SR 429, which now bisects the area. Responsible for principal-level oversight and coordination of all survey efforts including technical insight and consultation with respect to GPS survey techniques and boundary determinations.

**Resident's Drive Survey, Orange County Board of Commissioners, Winter Garden, Florida. Principal.** This contract involved providing surveying and mapping services to various departments within the County including Capital Projects, Utilities, Public Works, Real Estate and Parks and Recreation. Assignments have included horizontal and vertical geodetic control, photo control, boundary and right-of-way surveys, topographic surveys, bathymetric surveys, preparation of legal descriptions, GIS mapping, and review of survey products by others. We completed all 48 task assignments on schedule and within budget. Orange County reselected our firm for this contract to cover the timeframe of 2009-2012. Responsible for providing principal-level review of project activities including GPS Height Modernization techniques, and operations management with respect to committing all available resources for successful project/contract execution.



## Henry McKelway, PhD, RPA

### Archeological Services

#### Relevant projects

- ▶ KDFWR Archaeological surveys for timber harvests
- ▶ Site evaluations for five Archaeological Sites at Camp Gruber, Oklahoma
- ▶ Cultural Resource Management Training for Grand River Dam Authority

#### Core skills

Cultural resource management, Southeastern Indians, historic archaeology, skeletal biology, and Native American consultation

#### Professional summary

Dr. Henry McKelway has more than 30 years of experience in design, fieldwork, and report production of archaeological research projects. His primary responsibility is to guide Amec Foster Wheeler's Midwest cultural/natural resource program, overseeing deliverables quality, ensuring client satisfaction, and supervising fiscal responsibilities. Duties include consultation with federal and state cultural resource managers and tribal leadership of federally recognized tribes. He is the Amec Foster Wheeler cultural resources discipline lead, ensuring coordination among offices and encouraging development of Amec Foster Wheeler cultural resource management practitioners. Dr. McKelway has conducted archaeological projects for federal and state agencies across the southeast including Florida, Missouri, Arkansas, Tennessee, Ohio and Kentucky, among others. These have included developing Phase II and Phase III research designs, statements of site significance, and laboratory analysis of artifacts. Investigations have touched on historic site types, including slave quarters and plantation sites, industrial sites, and homesteads. Experience in prehistoric archaeology ranges from the Early Archaic through the Protohistoric Periods. Dr. McKelway's group has used innovative global positioning system (GPS) field instruments and geographic information system (GIS) applications in archaeology toward predictive modeling. He oversaw development of a computerized artifact database entry and query system as an aid to archaeological research. He contributes to local education of historic preservation through activities with the Kentucky Organization of Professional Archaeologists.

#### Representative projects

**Archaeological Test Excavations at 28 Archaeological Sites at Eglin Air Force Base (AFB), Three Rivers Resource Conservation and Development Council, Inc., Milton, Florida. Project Manager.** Overseeing all aspects of the project including proposal, budget, fieldwork, laboratory analysis, and report preparation. Helped construct investigative approach to archaeological site inventories and evaluations. Phase II test investigations at 25 historic sites and three prehistoric sites at Eglin AFB. The investigations sought to aid Eglin AFB in evaluating the sites according to their National Register of Historic Places (NRHP) eligibility. Fieldwork was implemented from 2008 to 2011 as 2 separate projects. Results of the investigations have determined eight of the sites are recommended eligible for the NRHP. Amec Foster Wheeler support of archaeological work at Eglin has been consistent over the last 15 years, and has contributed to the quality of Eglin AFB's cultural resource program.

**Archaeological Survey and Inventory of 16,825 Acres, Arnold AFB, U.S. Air Force (USAF), Coffee and Franklin Counties, Tennessee. Project Manager.** Overseeing all aspects including fieldwork, laboratory analysis, and report preparation for this large Phase I archaeological survey/inventory project. The project covered all areas previously unsurveyed for cultural resources at Arnold AFB, totaling 16,825 acres. The results of the work aided Arnold AFB in meeting requirements of Section 110 of the NHPA. Fieldwork for this large survey was implemented by multiple survey crews numbering upward of 45 individuals working continuously and simultaneously. As a result, more than 125 newly-identified cultural resource locales and 15 previously-identified and revisited archaeological

#### Education

PhD, Anthropology, University of Tennessee, 1994

Master of Arts, Anthropology, University of Arkansas, 1986

#### Professional qualifications/registration(s)

Register of Professional Archaeologists

#### Experience

Amec Foster Wheeler: 2000

Industry: 1978

#### Memberships/affiliations

Register of Professional Archaeologists

Society of Historic Archaeologists

Kentucky Organization of Professional Archaeologists (Past President, Vice-President and Board Member)



Continued.

sites were evaluated according to NRHP criteria. The area surveyed at Arnold AFB constitutes nearly half its entire size, and represents one of the largest surveys of this type ever undertaken by the USAF.

**Grand River Dam Authority (GRDA) Survey, Lake Hudson, Oklahoma.** Provided oversight on this large-scale Phase I survey conducted for the GRDA in association with Federal Energy Regulatory Commission compliance. The survey covered approximately 2,000 acres along the banks of Lake Hudson. Field survey included pedestrian reconnaissance and shore inspection via watercraft. Forty-four sites were located and recorded in the survey area, ranging in age from the Historic to the Archaic Period. Of the sites identified, one was considered eligible, and 22 were considered potentially NRHP-eligible. Management recommendations were a component of the detailed report, including evaluation and treatment plans for recurring impacts to sites along the shores of the impoundment.

**Muddy Fork of Silver Creek Conservancy Watershed Conservancy District, Indiana.** Amec Foster Wheeler has provided the District expert advice and guidance on managing cultural resources since 2006. Amec Foster Wheeler provided advice on cultural resource management laws and the National Historic Preservation Act Section 106 process, which guided the conservancy's planning process. Two archaeological sites in the project area presented management challenges, including a NRHP-eligible 10 acre Late Archaic French Lick phase site (12CL199), and a potentially-eligible early nineteenth century homestead (12CL983). Investigations at the 10-acre Late Archaic site included an extensive shovel test probe regime, geophysical survey, and test units that helped identify the most significant portions of the site. Amec Foster Wheeler's staged approach and ongoing consultation with the Indiana State Historic Preservation Office produced a refined and targeted field strategy that cut estimated costs in half, yet provided valuable historical information on the area. A similar strategy was developed for the historic homestead with cost saving and valued historical information. Amec Foster Wheeler's experience with the Muddy Fork Conservancy demonstrates our effort to provide insightful solutions that protect and manage cultural resources while providing substantial economic savings to our clients that help ensure their development projects move forward.

**Natchez Trace Integrated Resource Management Tool, Natchez Trace Parkway, Tupelo, Mississippi.** QA/QC for archaeological predictive model for prehistoric resources along the entire length of the 430-mile-long Natchez Trace Parkway. The model will serve as a management tool for the park, assisting in review of third-parties that may intersect park property as well as internally-driven construction projects.

**Statewide Archaeological Sensitivity Model, Missouri Department of Conservation (MDC), Jefferson City, Missouri.** QA/QC for creation of predictive or sensitivity mapping for prehistoric sites for the entire state of Missouri using various factors of known sites such as soils, slope, proximity to water features, etc. Also developed a sensitivity model for historic sites in Shannon County, Missouri.

**Phase I Archaeological Investigations of the Savannah River Re-Oxygenation Project, Effingham and Chatham Counties, Georgia.** QA/QC for Phase I archaeological terrestrial and underwater remote sensing survey on two proposed oxygen injection facility project areas located along the Savannah River - a total of 40 acres of surveyed area.



## Marc Wampler, RPA

### Archeological Services

#### Relevant projects

- ▶ Phase I Archaeological Survey of 725 Acres
- ▶ Archaeological Test Excavations at 16 Prehistoric and Historic Sites at Eglin AFB
- ▶ Archaeological Survey and Inventory of 16,825 Acres

#### Core skills

Archaeology and cultural resource management, principal investigation, field and laboratory experience, and archaeological excavation and survey projects

#### Professional summary

Mr. Marc Wampler has more than 21 years of experience in archaeology and cultural resource management, including more than 10 years in supervisory positions. His supervisory experience has involved planning and directing archaeological excavation and survey projects, preparing and adhering to project proposals and budgets, artifact analysis, and writing technical reports and professional papers as well as conducting marketing campaigns to prospect for new business. Geographic expertise is focused on the Midwest and southeast U.S. Currently, Mr. Wampler has served as project manager and principal investigator for several large archaeological survey and excavation projects throughout Florida. Mr. Wampler has worked with a variety of federal and state agencies including the Tennessee Department of Transportation (TDOT); Tennessee Valley Authority (TVA); the USACE Nashville and Louisville Districts; and the Kentucky Transportation Cabinet (KYTC); as well as private engineering, architectural, and land development firms during his tenure as an archaeologist with TRC. He has been involved with one KYTC project and two archaeological investigations in Oklahoma during his time to date with Amec Foster Wheeler. His thesis research was on zooarchaeology and centered on problems associated with explaining variability in whitetailed deer skeletal element representations exhibited in prehistoric rockshelter middens of the Ozark Highlands. Mr. Wampler has extensive field and laboratory experience relating to numerous archaeological and cultural resource management projects. He has worked throughout the Midwest, eastern, and southeastern portions of the U.S., and has participated either as a principal investigator, field director, or field and lab technician on these projects in Arkansas, Florida, Illinois, Kentucky, Louisiana, New York, Missouri, Mississippi, North Carolina, Oklahoma, Tennessee, and Texas.

#### Representative projects

**Phase I Archaeological Survey of 200, Tyndall Air Force Base, Florida. Project Manager/Principal Investigator.** Overseeing proposal, budget, fieldwork, laboratory analysis, and report preparation for Phase I archaeological survey of 5 individual tracts totaling approximately 200 acres. The survey, conducted in 2016, investigations followed guidelines set forth by the Florida Division of Historical Resources (DHR), and involved thorough background research and surface reconnaissance, as well as systematic intensive excavation of shovel tests. Shovel tests were placed 30 and 60 meters apart, depending on determined probability for the presence of cultural resources. As a result of this survey, one new archaeological site and seven archaeological occurrences were identified. The site and all occurrences were related to turpentine activity in the area during the early twentieth century; a minor prehistoric component was also attributed to the site. Neither the site nor occurrences were recommended as eligible for the NRHP.

**Archaeological Test Excavations Four Archaeological Sites at Tyndall AFB, Three Rivers Resource Conservation and Development Council, Inc., Milton, Florida. Project Manager/Principal Investigator.** Overseeing proposal, budget, fieldwork, laboratory analysis, and report preparation for Phase II test investigations at 2 prehistoric sites and 2 historic sites at Tyndall AFB. The investigations sought to aid Tyndall AFB in evaluating the sites according to their National Register of Historic Places (NRHP) eligibility status. Fieldwork was implemented in the winter of 2015 and resulted in the determination the two of the sites are recommended eligible for the NRHP. One of the prehistoric sites represented a complex

#### Education

Master of Arts, Anthropology,  
University of Arkansas, 2000

Bachelor of Arts, Physics,  
Drury University, 1993

#### Professional qualifications/ registration(s)

Certified by the Register of  
Professional Archaeologists,  
No. 12043

#### Experience

Amec Foster Wheeler: 2007  
Industry: 1996

#### Memberships/affiliations

Society for American  
Archaeology  
Southeastern Archaeological  
Conference  
Tennessee Council of  
Professional Archaeologists  
Kentucky Organization of  
Professional Archaeologists

Continued.

shell midden site containing multiple intact features and numerous ceramic types. Final reports detailing the investigations results were submitted in January 2016.

**Archaeological Test Excavations 20 Archaeological Sites at Eglin AFB, Center for Environmental Management of Military Lands, Colorado State University, Colorado. Project Manager/Principal Investigator.** Overseeing proposal, budget, fieldwork, laboratory analysis, and report preparation for Phase II test investigations at 20 prehistoric and historic sites at Eglin AFB. The investigations sought to aid Eglin AFB in evaluating the sites according to their National Register of Historic Places (NRHP) eligibility status. Fieldwork was implemented in the winter of 2015 and resulted in the determination the seven of the sites are recommended eligible for the NRHP. Final reports detailing the investigations results were submitted in January 2016.

**Archaeological Test Excavations at 10 Archaeological Sites at Eglin AFB, Three Rivers Resource Conservation and Development Council, Inc., Milton, Florida. Project Manager/Principal Investigator.** Overseeing proposal, budget, fieldwork, laboratory analysis, and report preparation for Phase II test investigations at 10 prehistoric sites at Eglin AFB. The investigations sought to aid Eglin AFB in evaluating the sites according to their National Register of Historic Places (NRHP) eligibility status. Fieldwork was implemented in April 2013 and resulted in the determination that five of the sites are recommended eligible for the NRHP. Final reports detailing the investigations results were submitted in January 2014.

**Archaeological Survey of 575 Acres, Jahna Macclenny Sand Mine, Baker County, Florida. Project Manager/Principal Investigator.** Overseeing proposal, budget, fieldwork, laboratory analysis, and report preparation for Phase I investigations of 575 acres for the proposed construction of a sand mine. Fieldwork (May 2012) included surface and subsurface testing to identify and evaluate archaeological sites according to their NRHP eligibility status. No newly archaeological sites were identified during the work. AMEC recommended no further archaeological work for the project.

**Archaeological Survey at Suwannee Lake, Florida Fish and Wildlife Conservation Commission, Suwannee County, Florida. Project Manager/Principal Investigator.** Overseeing proposal, budget, fieldwork, laboratory analysis, and report preparation for Phase I investigations of 2 spoil areas (2 acres) and the lake perimeter (2 km). Fieldwork (February 2013) included surface and subsurface testing to identify and evaluate archaeological sites according to their NRHP eligibility status. No newly archaeological sites were identified during the work. AMEC recommended no further archaeological work for the project.

**2011 - Archaeological Test Excavations at 16 Archaeological Sites at Eglin AFB, Three Rivers Resource Conservation and Development Council, Inc., Milton, Florida. Assistant Project Manager/Principal Investigator.** Overseeing proposal, budget, fieldwork, laboratory analysis, and report preparation for Phase II test investigations at 13 historic sites and 3 prehistoric sites at Eglin AFB. The investigations sought to aid Eglin AFB in evaluating the sites according to their NRHP eligibility status. Fieldwork was implemented from January to May 2011. Analysis of investigations results have determined five of the sites are recommended eligible for the NRHP. Final reports detailing the investigations results were submitted January 2012.

**Phase I Archaeological Survey of 4,200 Acres, Vercipia Biofuels, Lake City, Florida. Principal Investigator.** Overseeing fieldwork, laboratory analysis, and report preparation. Fieldwork for the project is being conducted in south-central Florida in Highlands County ahead of planned ground disturbance associated with use of nearly 35,000 acres for an ethanol farm and production facility. Approximately 3,125 acres were surveyed in 2010 for the presence of cultural resources for proposed development of a cane seed farm. Remaining acreage (1,076 acres) was surveyed in 2011. This acreage constituted investigation of potential tree islands across approximately 17,000 acres. AMEC personnel were able to respond immediately for field work implementation throughout the project, and in consultation with the Florida State Historic Preservation Office (SHPO) analyzed historic aerial photography and implemented a judgmental approach for placement of shovel test probes searching for the presence of subsurface cultural deposits.

**Phase I Archaeological Survey of 4,200 Acres, Vercipia Biofuels, Lake City, Florida. Principal Investigator.** Overseeing fieldwork, laboratory analysis, and report preparation. Fieldwork for the project is being conducted in south-central Florida in Highlands County ahead of planned ground disturbance associated with construction of an ethanol facility and associated farm. To date, Amec Foster Wheeler has conducted a cultural resources overview of the entire 35,000-acre tract and Phase I archaeological survey of approximately 3,000 acres. Amec Foster Wheeler personnel have been able to respond immediately for field work implementation and, in consultation with the Florida State Historic Preservation Office, are implementing a judgmental approach for placing shovel test probes and analyzing historic aerial photographs looking for the possible location of "tree islands" within the project area. A scope of work is currently being developed for archaeological survey investigation of the remaining acres on the farm.





## Tab 3

### Work Experience of Architect



# Work Experience of Architect

Amec Foster Wheeler has completed all aspects of architecture and engineering design – from concept design through as-built certification, including post construction monitoring. Design integration is the heart of Amec Foster Wheeler. Designing an aesthetic and functional space or facility that communicates your agency is where most firms end, at Amec Foster Wheeler, this is only the beginning. Integrating our architectural design expertise with our in-house civil, mechanical, electrical, and structural engineering expertise allows Amec Foster Wheeler to execute both small and large scale projects, on time and within budget.

Amec Foster Wheeler's in-house architects have specialized knowledge across all the industries in which we work, including public facilities, healthcare, education, commercial, industrial and energy. This expertise means that we are able to introduce innovative and flexible design solutions to optimize the efficiency of both major and specialized buildings. We provide the expertise that assures our clients they are getting a facility that meets federal, state, and local regulations and one that will live up to their expectations in the years to come. Our Florida and Caribbean projects include:

- ▶ Brien McMahon Federal Building and Courthouse Exterior and Interior Renovations
- ▶ Abraham Ribicoff Federal Building and Courthouse Interior and Exterior Renovations
- ▶ M.C. Smith Federal Office Building and Courthouse Sustainable Design
- ▶ Collier County Facilities Management Program
- ▶ Collier County Facilities Management Program Phase II
- ▶ U.S. Postal Service Roof Replacement Program
- ▶ U.S. Postal Service Window Repair and Alteration Projects
- ▶ Survey and Testing for School Buildings and Roof Areas
- ▶ Florida Polytechnic University Continuing Projects
- ▶ Research and Development Laboratory
- ▶ Jonathan Dickinson State Park Concession Building
- ▶ Delnor Wiggins Pass State Park Administration Building
- ▶ Home Chemical Center Offices South Dade Landfill
- ▶ Ravenswood Bus Maintenance Facility

Amec Foster Wheeler has provided design and renovations services to facilities throughout the country. With a national network of design professionals, our local professionals are able to team with experts throughout North America in order to provide the most cost-efficient design solutions to our clients. Our employees live and work in our local communities, making us especially dedicated to improving our surrounding environments. We say "world skills on your doorstep" because our customers recognize the value of our local presence.

**On the following pages are more detailed descriptions for Amec Foster Wheeler's specific relevant experience in the past five years.**



“(Amec Foster Wheeler) has provided A/E services from their Miami Lakes office. (Amec Foster Wheeler) has demonstrated a high level of professional knowledge, integrity, and client service, which has met or exceeded my expectations.”

Harry Woodworth, PMP  
Senior Project Manager  
Motorola Solutions

# Brien McMahon Federal Building and Courthouse Exterior and Interior Renovations



## Project description

The Brien McMahon Federal Office Building and Courthouse was originally constructed in 1997. The four story building houses multiple federal agencies, as well as several courts. Amec Foster Wheeler has designed the documents for the removal of asbestos containing materials, interior renovations for three agencies, as well as structural repairs to exterior pre-cast concrete wall panels.

Amec Foster Wheeler was brought in initially to evaluate the condition of the third floor asbestos fireproofing and to identify any other hazardous materials on that floor including vinyl asbestos tile and lead containing paint. We then designed the removal and replacement of the asbestos fireproofing in two independent construction projects, each with multiple phases to accommodate the ongoing occupancy of the floor.

During the mitigation construction a judge's suite of spaces including an office, library and reception area, and a small adjacent courtroom, were demolished. With our assistance a plan of salvage of all built-in wood bookcases, wood paneling, courtroom pews, and rails were salvaged. Amec Foster Wheeler then designed the reconstruction of these spaces with the salvaged materials, and providing new state-of-the-art technology to these areas.

Amec Foster Wheeler evaluated the impact of adding two new tenants to the mitigated area. These were determined to be appropriate for the spaces, and fit-up budgets were established for the construction. OSHA and a confidential tenant have built out new spaces in the facility and we provided full concept design, design development, contract documents, and construction administration services for this work.

## Client/customer

U.S. General Services Administration

## Client's representative

Justin Zagorski, CO  
15 Sudbury Street  
Boston, Massachusetts  
USA 02203  
617.565.5822(p)

## Location

Bridgeport, Connecticut

## Dates/timing

2010 to 2014

## Design services fee

\$400,000

## Estimate of construction cost

\$5 million

## Key personnel involved in design phase services

Herbert Semple, AIA  
Michael Deletetsky, PE  
Elizabeth Huckins, RA, NCIDQ  
Richard McSherry, RA  
Joel Stilphen, PE  
Bruce Goodwin

## Name of contractor awarded project

Nutmeg Companies, Inc.

## Contract award amount

Not disclosed by Owner

## Contractor's representative

Jason Bugbee  
1 Ohio Avenue  
Norwich, Connecticut 06360  
860.625.2906 (p)



amec  
foster  
wheeler

# Abraham Ribicoff Federal Building and Courthouse Interior and Exterior Renovations



## Client/customer

U.S. General Services Administration

## Client's representative

Justin Zagorski, CO  
15 Sudbury Street  
Boston, Massachusetts  
USA 02203  
617.565.5822(p)

## Location

Hartford, Connecticut

## Dates/timing

2005 to 2014

## Design services fee

\$0.87 million

## Estimate of construction cost

\$25 million

## Key personnel involved in design phase services

Herbert Semple, AIA  
Michael Deletetsky, PE  
Elizabeth Huckins, RA, NCIDQ  
Richard McSherry, RA  
Joel Stilphen, PE  
Bruce Goodwin

## Name of contractor awarded project

Nutmeg Companies, Inc.

## Contract award amount

Not disclosed by Owner

## Contractor's representative

Jason Bugbee  
1 Ohio Avenue  
Norwich, Connecticut 06360  
860.625.2906 (p)

## Project description

Amec Foster Wheeler design services at the Ribicoff building included feasibility evaluations and retro-commissioning reports, as well as the full A/E design of exterior envelope repairs and interior fit-ups of multiple tenant spaces - all while the building has been fully occupied. The Ribicoff facility is seven stories with more than 400,000 square feet and includes five major U. S. Federal Courts. Additionally the building houses a significant number of tenant agencies, many with smaller court functions and hearing rooms.

The Ribicoff Federal Building and Courthouse has a major addition, constructed in the mid 1970's, the Annex, which houses three major Federal Courtrooms and the associated support spaces including judge's chambers, jury rooms, offices and a public lobby. This building addition experienced significant water infiltration and major leaking for several years. Amec Foster Wheeler was tasked to evaluate the exterior envelope in order to determine the source of the water infiltration and the extent of the needed interior refinishing. Through a series of on-site tests, including careful destructive testing, Amec Foster Wheeler determined that the major source was roofing failure and a failure of the granite cladding system's joints. Amec Foster Wheeler designed a series of improvements including replacing all of the building's roofing, re-insulating of the roof to increase energy efficiency, and applying remedial sealants and waterproofing to the exterior granite cladding. We have since provided GSA full definition and costing for a full recladding and window replacement project at the Annex to finish the project for the long term life of the facility.

Once the envelope work was completed, Amec Foster Wheeler designed interior repairs and refinishing of water damage throughout the 20,000-square-foot addition, including testing for, and safe removal of, biological hazardous materials. All carpet, ceilings, lighting were replaced, walls were repainted or refinished, and damaged courtroom woodwork and pews were refinished. Amec Foster Wheeler has worked with the U.S. Marshal Service and GSA through a formal planning evaluation to determine the best solution for detainee circulation throughout the building. Current circulation brings detainees to courtrooms through public hallways. We reviewed the existing conditions with GSA and the Marshals, provided team workshops to brainstorm potential solutions, review and prioritize solutions, and as a team

## Abraham Ribicoff Federal Building and Courthouse Interior and Exterior Renovations

Continued.

determine a preferred course of action. All solutions were presented with a technical analysis, plans, and construction cost estimates.

A building-wide A/E design project replaced the fire alarm system throughout all of the facility while maintaining full occupancy and court functions. Amec Foster Wheeler provided full design evaluations, construction documents, construction administration services, and inspections for this critical life safety installation.

Agency design and tenant improvement projects have included more 20,000 square feet of renovated office and court space for the National Labor Relations Board, Executive Office of Immigration Review, the Department of Home Land Security and the Justice Chambers for the newest member of the U.S. Second Circuit Court of Appeals. These spaces were completely gutted to structure and reconstructed, and include multiple courtrooms. Full architectural, structural evaluations, HVAC, plumbing, IT, fire protection, electrical power and lighting design and engineering services were provided. All tenants have significant design requirements for IT, security, and controlled access.





# M.C. Smith Federal Office Building and Courthouse Sustainable Design



## Project description

This project demonstrates Amec Foster Wheeler's specialized experience in the design of sustainable mechanical systems, electrical systems, and site design renovating a fully occupied and functional courthouse and office building. The Modernization impacted almost every space and system in this imposing structure, and brought all systems of the building up to a state-of-the-art functionality. The project focused on sustainable design, and received LEED Platinum certification and an Energy Star rating.

Amec Foster Wheeler provided mechanical, electrical, plumbing, and civil engineering services for the Modernization of the Margaret Chase Smith Federal Office Building and Courthouse in Bangor, Maine. This \$44-million GSA construction project, is funded through the ARRA, and is administered through the GSA Design Excellence Program. Amec Foster Wheeler's responsibilities and services designed the replacement systems for over \$24,000,000 of the construction costs as well as on-site inspection of the architecture, and structural, mechanical, plumbing, power, lighting, and civil engineering systems' construction during the 39 month fully occupied construction period.

## Energy Conservation Strategy

Energy modeling showed that the design renovations reduce the energy costs for this building by 59% and energy usage by 39%. The building design showcases energy efficiency. Modernization features many "Smart" Building components, including HVAC and lighting occupancy sensors, complete metering or all energy systems usage, a 100 KW photovoltaic array, chilled water reclamation, site lighting powered by wind/solar, a micro-turbine cogeneration unit with absorption chiller, water reclamation from the roof into the irrigation system, and a deep well geothermal system of 16 - 1,500 foot deep wells on a tight urban site. Through advanced energy modeling an interactive "Dashboard" describing these features and defining energy savings is featured in the lobby for public education and awareness. The GSA requirements for sustainable materials included waste reduction techniques, energy efficiency in systems design, the use of recovered materials, and the careful reduction of VOC's in specified materials and adhesives.

## ARRA Funding

In accordance with the ARRA funding, this project was designed on a compressed schedule, Amec Foster Wheeler's Design Development through the start of construction was complete in 7 months. Construction started late summer in 2010 and was completed in November 2013.

## Client/customer

U.S. General Services Administration

## Client's representative

Peter Menzies  
U. S. General Services Administration  
10 Causeway Street  
Boston, MA 02222  
617-565-5870

## Location

Bangor, Maine

## Dates/timing

2008 to 2014

## Design services fee

\$2.6 million

## Estimate of construction cost

\$44 million

## Key personnel involved in design phase services

Herbert Semple, AIA  
Michael Deletetsky, PE  
Joel Stilphen, PE  
Jerome Watts  
Timothy Michaud  
Richard McSherry, RA

## Name of contractor awarded project

Consigli Construction Company

## Contract award amount

Not disclosed by Owner

## Contractor's representative

Matt Tonello  
Consigli Construction  
5 Franklin Street  
Portland, Maine 04101

# Collier County Facilities Management Program



amec  
foster  
wheeler



## Client/customer

Collier County Public Utilities  
Department

## Client's representative

Dayne Atkinson  
3339 Tamiami Trail East  
Suite 302  
Naples, Florida  
USA 34112  
239.252.5337 (p)

## Location

Collier County, Florida

## Dates/timing

2014 to 2014

## Design services fee

\$80,000

## Estimate of construction cost

\$4.9 million

## Key personnel involved in design phase services

Nestor Fernandez  
Paul Abbott  
Ramon Y. Molina

## Name of contractor awarded project

Multiple contractors

## Contract award amount

\$4.9 million

## Contractor's representative

Multiple contractors

## Project description

Amec Foster Wheeler assisted Collier County in developing a facilities management program that identified 14 manned facilities within the Department's control.

The project included the review of available maintenance records and AutoCAD files. Amec Foster Wheeler conducted interviews with each building manager to assess existing conditions and developed site-specific inspection plans that addressed Americans with Disabilities Act (ADA) regulations and electrical, HVAC, structural, roofing, building envelope, indoor air quality, plumbing, security, low voltage, signage, pest control, and fire and safety related concerns in order to identify short- and long-term maintenance and budgeting requirements.

Amec Foster Wheeler created baseline building assessment reports for each facility that identified its current condition and the immediate, five-year, and 10-year maintenance or replacement requirement, and also provided a preventative maintenance schedule for each major system.

Previously, the County did not have a facilities management program capable of providing the level of information this program provides. The initial program is being conducted in phases, and as the information is gathered, the county will expand the number of facilities included within the program.

# Collier County Facilities Management Program Phase II



## Project description

Amec Foster Wheeler assisted Collier County with implementation of their Facility Management and Preventative Maintenance Program on 117 existing manned and unmanned water, wastewater, and solid waste facilities within Collier County.

The project included overseeing operations and maintenance (O&M) work on all facilities, including roofing repairs; HVAC repairs and modifications; and gate, fencing, rollup doors, and storm shutter maintenance. Amec Foster Wheeler also provided warranty inspections and cost estimating for repair and maintenance projects.

Amec Foster Wheeler created a preventative maintenance checklist for various facility systems and equipment, including roofing, gates, fencing, rollup doors, and storm shutters. In addition, we provided design solutions and construction oversight to address various problems within the facilities in this program. Examples of these projects include roofing replacements at the South County Water Reclamation Facility (SCWRF) Lab, Master Pump Station (MPS) 303, MPS 305, and MPS 318; North County Regional Water Treatment Plant (NCRWTP) catwalk retrofit design; NCRWTP HVAC modifications; North Collier Recycling Drop-off Center (NCRDC) expansion design; and Collier County Landfill Household Hazardous Waste Building insulation renovation.

Previously, the County did not have a facilities preventative maintenance program capable of addressing the needs this program provides to the Public Utilities Department. The initial program is being conducted in phases, and as the information is gathered, the County will expand the number of facilities and systems included within the program.

## Client/customer

Collier County Public Utilities Department

## Client's representative

Dayne Atkinson  
3339 Tamiami Trail East  
Suite 302  
Naples, Florida  
USA 34112  
239.252.5337 (p)

## Location

Collier County, Florida

## Dates/timing

2014 to Ongoing

## Design services fee

\$150,000

## Estimate of construction cost

\$4.9 million

## Key personnel involved in design phase services

Nestor Fernandez  
Paul Abbott  
Ramon Y. Molina  
David Soler, PE  
Teofilo E. Vaca, CGC  
Erice Christian

## Name of contractor awarded project

Multiple contractors

## Contract award amount

\$4.9 million

## Contractor's representative

Multiple contractors



# U.S. Postal Service Roof Replacement Program



## Project description

Amec Foster Wheeler was contracted by the U.S. Postal Service (USPS) under its roof replacement program to perform site investigation of the roof conditions for 35 facilities in Florida and New York and to prepare 30% design and final solicitation package (100% design) documents. Upon award of the project, our firm also performed construction administration. As part of the site investigation, Amec Foster Wheeler performed roof cores, asbestos surveys, and documented all of the existing roof conditions. Our qualified staff performed the patching work on all testing areas.

The 30% design included a comprehensive report with recommendations based on the test results and visual observations of the roof conditions. The report included a summary of the roof conditions; photographic log with deficiencies found; roof repair and roof replacement recommendations; life cycle cost; cost estimate; energy calculations; and wind calculations. Roof plans of the facilities were developed to indicate the actual dimensions of the facilities, roof penetrations, roof access, equipment, roof slopes, roof drains, above roof conduits, antennas, and lightning systems.

Amec Foster Wheeler prepared the final solicitation packages, including 100% design drawings, project specifications, and cost estimates, and assisted the client with the bidding process by conducting pre-bid meetings and reviewing the proposals. Our firm also provided construction administration services, which involved submittal review, pre-construction meetings, change order reviews, on-site observation of roof replacement work, and preparation of daily reports.

All deliverables were submitted in accordance with the client's commitment schedule.

## Client/customer

U.S. Postal Service

## Client's representative

Roy W. Farley  
1605 Boggs Road NW  
Duluth, Georgia 30096  
678.442.6063 (p)

## Location

Florida and New York

## Dates/timing

2014 to Ongoing

## Design services fee

\$638,200

## Estimate of construction cost

\$5.7 million

## Key personnel involved in design phase services

Santiago Jimenez, AIA, CGC, LEED AP

David Soler, PE

Hernando Garcia

Sampson V. Reamy

## Name of contractor awarded project

Multiple contractors

## Contract award amount

\$5,729,000

## Contractor's representative

Multiple contractors



# U.S. Postal Service Window Repair and Alteration Projects



**Client/customer**  
U.S. Postal Service

**Client's representative**  
Tom Roach, RA  
475 L'Enfant Plaza SW  
Washington, D.C  
USA 20260  
336.605.3541 (p)

**Location**  
Nationwide, United States

**Dates/timing**  
2014 to 2016

**Design services fee**  
\$16,500

**Estimate of construction cost**  
\$327,000

**Key personnel involved in design phase services**  
Santiago Jimenez, AIA, LEED AP  
Nestor Fernandez  
Ramon Y. Molina

**Name of contractor awarded project**  
Multiple contractors

**Contract award amount**  
TBD

**Contractor's representative**  
Multiple contractors

## Project description

Amec Foster Wheeler was awarded a \$252 million program management services contract with the U.S. Postal Service (USPS) to help manage their portfolio of more than 37,000 facilities. The scope of our effort includes design phase services (facility assessments and evaluations, site surveys to confirm work order scope of work), design services, cost estimating, contractor selection construction management, commissioning, and project closeout. Postal facilities include large-scale national distribution centers, process and distribution centers, historic post office buildings, and numerous small to medium size post offices.

Under the nationwide contract, Amec Foster Wheeler was tasked by USPS to perform site investigations at several facilities to validate whether the facilities' existing window systems would need to be replaced or repaired to address thermal performance. Based on the initial investigation and a life cycle cost analysis (LCCA), the recommendation of repair/replacement was presented to correct deficiencies and provide a favorable net present value (NPV) as well as LCCA outcome.

Amec Foster Wheeler provided a design for the work, including drawings and specifications. The site investigations and designs were expeditiously completed within three months. Task orders issued for this program effort include the following facilities:

- ▶ Hialeah Bright Station, Hialeah, Florida - Window replacement
- ▶ Brattleboro Main Office, Brattleboro, Vermont - Window replacement
- ▶ Laconia Main Office, Laconia, New Hampshire - Window replacement
- ▶ Canajoharie Main Office, Canajoharie, New York - Window replacement
- ▶ Providence Olneyville Station, Providence, Rhode Island - Window replacement

USPS has facilities located throughout the country, including many historic structures. Under this contract, projects range from \$10,000 to more than \$3 million and include design and construction phase services for repairs, alterations, and sustainability support. This contract further demonstrates that Amec Foster Wheeler has the management processes and systems to successfully perform facilities services support nationwide.

# Survey and Testing for School Buildings and Roof Areas



## Project description

Amec Foster Wheeler was contracted by the School Board of Broward County (SBBC) to perform survey and testing services for its roof program. The program included roof surveying, testing, and recommendations necessary for a design-build process, as well as construction administration services. The comprehensive investigations included detailed documentation of the roof type, composition, age, condition, and recommendations for replacement for the 14 schools in the program, including Atlantic Technical College; Blanche Ely and Hollywood Hills High Schools; Attucks, Lauderdale Lakes, and Silver Trail Middle Schools; and Broadview, Coconut Creek, Cypress, Lauderdale Manors, Maplewood, Margate, Pasadena, and Sheridan Hills Elementary Schools.

When a roof presented a deficiency, Amec Foster Wheeler performed survey and testing services to identify and document the deficiencies using in-house and local resources. Services included the review of the record drawings for the facilities.

Roof cores were performed at each facility. Roof pull tests were performed in accordance with TAS 105-11 of the Florida Building Code. Amec Foster Wheeler's qualified staff performed the patching work on all testing areas. Roof plans of all facilities were developed to show the actual dimensions of the facilities, roof penetrations, roof access, equipment, roof slopes, roof drains, above roof conduits, antennas, and lightning systems. Amec Foster Wheeler performed recommendations based on the test results and visual observations of the roof conditions, which included roof repair and roof replacement.

A comprehensive report for each facility was prepared and signed by the project engineer and distributed to SBBC. The content of the report included a summary of the roof conditions; a photographic log with deficiencies found; roof plans; typical roof sections; signed and sealed pull test results; a photographic log of roof cores performed; and recommendations.

## Client/customer

Broward County Schools

## Client's representative

Jason Fair  
3775 SW 16th Street  
Fort Lauderdale, Florida 33312  
754.321.4326 (p)

## Location

Broward County, Florida

## Dates/timing

2015 to 2015

## Design services fee

N/A

## Estimate of construction cost

N/A

## Key personnel involved in design phase services

Santiago Jimenez, AIA, LEED AP  
David Soler, PE  
Armando Hernandez, PE, CCM, SI  
Luis A. Ponce, PE, CGC  
Aramis Gonzalez, EI  
Hernando Garcia  
Erica Christian  
Valwin Knight

## Name of contractor awarded project

N/A

## Contract award amount

N/A

## Contractor's representative

N/A

# Florida Polytechnic University

## Continuing Projects



### Project description

#### Campus Master Plan Update

The Amec Foster Wheeler team performed a campus master plan update in 2014. This project involved data collection and analysis; review and update of master plan goals, objectives, and policies; workshops with the Campus Development Committee; and a report of findings. The project information was compiled in a Final Master Plan document.

A key to Amec Foster Wheeler's successful completion of this project was the close coordination between Amec Foster Wheeler staff and Florida Polytechnic University staff. Our ability to understand the client's needs and adapt our project approach accordingly provided us with the opportunity to exceed the client's expectations.

#### Recreational Facility

Amec Foster Wheeler provided conceptual planning, design, permitting, and construction phase services for the University's Recreational Facility project. This project involved the construction of a multi-purpose field, basketball courts, and a beach volleyball court. The design involved an underdrain system for the multi-purpose field as well as sports field lighting.

The construction schedule for this project was focused during the summer of 2015 to complete the project before the start of the University's second year of classes. The recreational facilities serve the needs of the rapidly growing student population. The project is an integral component of the Campus Master Plan and provides the opportunity for a healthy balance between advanced academics and recreation.



#### Client/customer

Florida Polytechnic University

#### Client's representative

John C. White  
3433 Winter Lake Road,  
LTB2116  
Lakeland, Florida  
USA 33803  
863.874.8593 (p)

#### Location

Lakeland, Florida

#### Dates/timing

2014 to Ongoing

#### Design services fee

\$125,000

#### Estimate of construction cost

\$1 million

#### Key personnel involved in design phase services

Michael D. Phelps, PE  
Mark J. Frederick, PE, CFM  
Lee B. Walton, AICP  
L. Kevin Welch

#### Name of contractor awarded project

SEMCO Construction, Inc.

#### Contract award amount

\$876,566

#### Contractor's representative

Carl "Ed" Locke Jr.  
205 Century Blvd.  
Bartow, Florida 33831  
863.533.7193



# Research and Development Laboratory



## Project description

Amec Foster Wheeler provided architectural and engineering services to ArrMaz Products for the development of the northeast portion of their property. The project involved the addition of a new 17,229-square-foot building containing both laboratory and office space. The project design was divided into two phases. Phase I included the design of the western 5,743-square-foot portion of the building, including a research and development laboratory, offices, conference room, employee break room, storage areas, a loading dock, and a mechanical room to support the ultimate build out. Phase I also included the design of the shell for the remaining 11,486 square feet of the building, parking, sanitary sewer, potable water, fire water tank and pump station, restrooms, laboratory waste line to an existing on-site waste tank, and stormwater requirements for the construction of all phases. Phase II included the build out of the shell with additional laboratories, offices, restrooms, and conference rooms.

The site design was designed in Autodesk Civil 3D, and the building was designed in Autodesk Revit, Building Information Modeling (BIM) software. The use of BIM software allowed the Amec Foster Wheeler architects and engineers to virtually explore the building and engage the client with design alternatives in real time. This process was found to be valuable not only in locating building elements and coordinating equipment, but it was also useful in determining and validating flooring selection and the color pallet to be used in and outside the building with the client.

Amec Foster Wheeler's design team provided all project tasks, including the design of a steel frame structure with a Nichiha wall panel; HVAC, electrical, plumbing, and a fire suppression system; gas lines for the laboratory; parking; a sanitary sewer system; a potable water system; laboratory waste line; and a stormwater management system. The use of BIM during the design provided expedited quality assurance review. BIM allowed Amec Foster Wheeler to generate a bill of materials for pricing and construction that interactively updated as design changes were made.

**Client/customer**  
ArrMaz Products

**Client's representative**  
Garry Hale  
4800 State Road 60 East  
Mulberry, Florida  
USA 33860  
863.578.1320 (p)

**Location**  
Mulberry, Florida

**Dates/timing**  
Phase I: June 2015 to  
November 2015

**Design services fee**  
Phase I: \$65,400, Phase II:  
\$170,800

**Estimate of construction cost**  
\$5.17 million

**Key personnel involved in design phase services**  
David Butcher, PE, LEED AP  
Michael D. Phelps, PE  
Cesar A. Rullier, Associate AIA, NCARB, CPTED  
L. Kevin Welch  
Jose A. Milian

**Name of contractor awarded project**  
TBD

**Contract award amount**  
TBD

**Contractor's representative**  
TBD



# Jonathan Dickinson State Park Concession Building



## Client/customer

Florida Department of  
Environmental Protection

## Client's representative

Gretchen Z. Miller, AIA, LEED  
AP, NCARB  
3800 Commonwealth  
Boulevard, MS520  
Tallahassee, Florida  
USA 32399  
850.245.2661 (p)

## Location

Hobe Sound, Florida

## Project description

As part of FDEP's continuing architectural and engineering services contract, Amec Foster Wheeler was retained to design a new prototype concession/restroom/retail building at Jonathan Dickinson State Park in Hobe Sound, Florida. The design consists of a concession stand, retail space, restroom facility, and covered seating space with a vending area. The design will require the demolition of an existing picnic pavilion/restroom and construction of the new building over the existing building footprint.

Amec Foster Wheeler's services consist of architectural and engineering services for the design of the concession building, including construction documents, permitting, surveying, geotechnical engineering, and construction administration services.

In addition to the traditional design services, and in order to ensure that the client achieved its goals for the project, Amec Foster Wheeler 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. These services include assessments of asbestos-containing building materials, lead-based paint coatings, and other leaded building components.

## Dates/timing

2015 to Ongoing

## Design services fee

\$140,236

## Estimate of construction cost

\$1 million

## Key personnel involved in design phase services

Santiago Jimenez, AIA, LEED  
AP  
R. Michael Jones, PLS, CFedS  
Cesar A. Rullier, NCARB,  
CPTED  
John Stump, PG, FLAC  
Leonard Gilbert, CIH  
Carver Gittens

## Name of contractor awarded project

TBD

## Contract award amount

TBD

## Contractor's representative

TBD

# Delnor Wiggins Pass State Park Administration Building



amec  
foster  
wheeler



## Project description

As part of FDEP's ongoing contract for architectural and engineering continuing services, Amec Foster Wheeler was retained to conduct the design of a new administration building at the Delnor Wiggins Pass State Park in Naples, Florida. The project consists of the demolition of the existing three-bay shop building, as well as the Citizen Support Organization (CSO) meeting room at the five-bay building. Following the demolition, the project includes the design of a new building, which includes approximately 1,500 square feet for the administrative offices, staff room, CSO meeting room, restrooms and storage. The design of the new building will follow the footprint of the three-bay building while responding to current building, fire codes, and flood plain elevation requirements.

Amec Foster Wheeler's services consist of architectural and engineering services for the design of the administration building, including construction documents, permitting, surveying, geotechnical engineering, and construction administration services.

In addition to the traditional design services, and in order to ensure that the client achieved its goals for the project, Amec Foster Wheeler 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. These services include assessments of asbestos-containing building materials, lead-based paint coatings, and other leaded building components.

## Client/customer

Florida Department of  
Environmental Protection

## Client's representative

Gretchen Z. Miller, AIA, LEED  
AP, NCARB  
3800 Commonwealth  
Boulevard, MS520  
Tallahassee, Florida 32399  
850.245.2661 (p)

## Location

Naples, Florida

## Dates/timing

2015 to Ongoing

## Design services fee

\$109,364

## Estimate of construction cost

\$1.2 million

## Key personnel involved in design phase services

Santiago Jimenez, AIA, CGC,  
LEED AP  
Cesar A. Rullier, AIA Associate  
NCARB, CPTED  
David Soler, PE  
Mark J. Frederick, PE, CFM  
R. Michael Jones, PLS, CFedS  
Jeremy M. Paris, PWS  
Gerkys Triana  
John Stump, PG, FLAC  
Leonard Gilbert, CIH

## Name of contractor awarded project

TBD

## Contract award amount

TBD

## Contractor's representative

TBD

# Home Chemical Center Offices South Dade Landfill



## Project description

Amec Foster Wheeler was contracted by Kimley Horn to provide architectural and engineering services for Public Works and Waste Management Division (PWWM) for the design of a new office building for the Home Chemical Collection Center (HCCC) in Miami, Florida. HCCC at the South Dade Landfill in Miami-Dade County is a facility that serves the public to recycle or dispose home chemical waste.

The offices are located in an existing trailer inadequate for the facility's operations. For that reason, PWWM requested the design of a new office building and infrastructure that will accommodate the facility's staff and allow them to better serve their patrons.

The design for the HCCC office building consists of a one-story structure office space with direct access to the drop-off area, conference room, ADA restroom and shower, new parking lot, and accessible paths. In addition, the existing site is designed to include prefabricated structures for the storage of hazardous materials, and separated public and recycling truck lanes for safe operations and efficient traffic flow.

Amec Foster Wheeler's services consist of architectural, structural, mechanical, electrical, and plumbing engineering services for the design of the new office building, including construction documents, permitting, and construction services. Additional services provided include a site feasibility study to recommend a location for the new building adjacent to an existing steel structure and refurbishing it to use as working area, as well as structural assessment of existing structures and geotechnical exploration services.

**Client/customer**  
Kimley Horn

**Client's representative**  
Brenda Westhorp  
1221 Brickell Avenue  
Suite 400  
Miami, Florida 33131  
305.535.7718 (p)

**Location**  
Miami, Florida

**Dates/timing**  
2014 to 2015

**Design services fee**  
\$36,550

**Estimate of construction cost**  
\$210,000

**Key personnel involved in design phase services**  
Santiago Jimenez, AIA, CGC,  
LEED AP

**Name of contractor awarded project**  
S&K

**Contract award amount**  
\$550,000

**Contractor's representative**  
Edwin Sanabria  
15441 SW 49<sup>th</sup> Street  
Miami, Florida 33185  
305.224.3462 (p)



# Ravenswood Bus Maintenance Facility



**Client/customer**  
Broward County

**Client's representative**  
Jamil Jalloul, PE, GC, LEED AP  
115 S. Andrews Avenue  
Fort Lauderdale, Florida  
USA 33301  
954.357.5641 (p)

**Location**  
Dania, Florida

**Dates/timing**  
2012 to 2016

**Design services fee**  
\$393,050

**Estimate of construction cost**  
\$32 million

**Key personnel involved in design phase services**  
Bruce Schmitt, CHMM  
Armando Hernandez, PE, SI  
Luis A. Ponce, PE, CGC  
Mark Hertz, PE

**Name of contractor awarded project**  
MCM Construction

**Contract award amount**  
\$32 million

**Contractor's representative**  
Gredel O. Del Toro  
5201 Ravenswood Road  
Suite 111  
Fort Lauderdale, Florida 33312  
786.299.2622 (p)

## Project description

Amec Foster Wheeler is providing the Broward County Construction Management Division commissioning, threshold inspections, construction materials testing, and owner's representation services for the Ravenswood project.

The existing Ravenswood Bus Maintenance Facility has an area of approximately 9 acres and is approximately 40 years old. This facility accommodates approximately 100 public transportation vehicles with a mix of 40-foot fixed-route buses and smaller coaches, but is not able to service 60-foot articulated buses. Broward County Transit is reconfiguring the site in phases to provide updated facilities meeting all applicable federal, state, and local codes requirements, allowing for maintenance and storage of 60-foot articulated buses and rebuilding the site to accommodate up to 50 additional public transportation vehicles.

Amec Foster Wheeler monitored the vibrocompaction and engineered fill for the building foundations. We performed fabrication plant and erection inspections and construction materials testing of a precast, prestressed three-story parking garage that also houses the operations, fuel and wash facilities. The Maintenance Building consists of concrete tilt-up panels supporting large span structural steel with bridge cranes, overhead platforms and pits below the slab on grade. Underground fuel storage tank, fuel lines, ductbanks, storm and wastewater are being placed. A public park was completed between the facility and lake to the north.

Amec Foster Wheeler closely collaborates with the operations personnel, contractor, Construction Management Division, the Dania Beach Building Department, and other Broward County agencies. The construction of the new facility required a carefully designed phasing plan that addressed not only the demolition of existing structures, but also the construction of new structures while maintaining uninterrupted daily operations in and egress from existing facilities. The construction includes temporary facilities to accommodate the operations personnel.

The construction phasing adds another challenge to an already aggressive schedule.





## Tab 4 Experience of Project Team

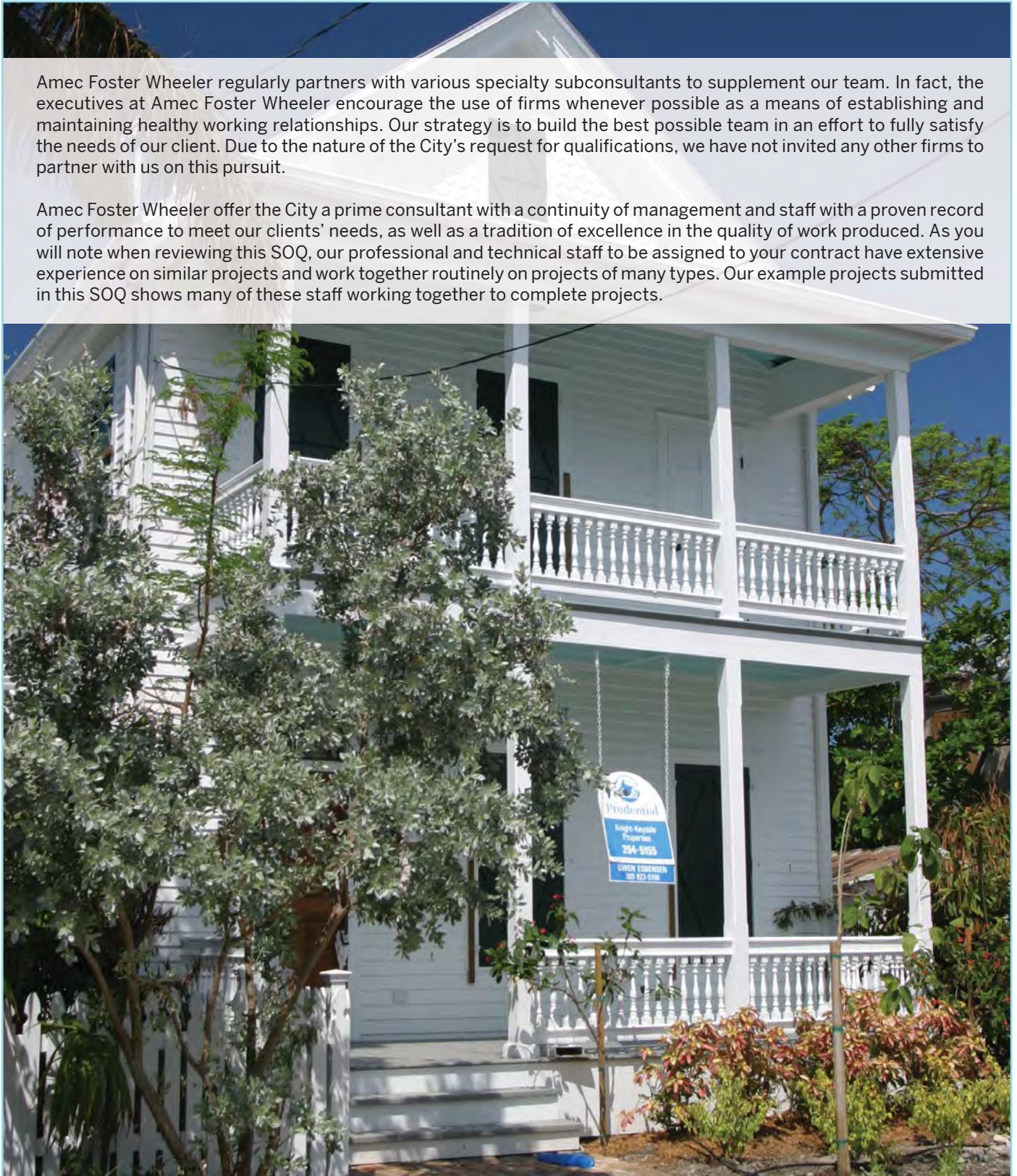




## Experience of Project Team

Amec Foster Wheeler regularly partners with various specialty subconsultants to supplement our team. In fact, the executives at Amec Foster Wheeler encourage the use of firms whenever possible as a means of establishing and maintaining healthy working relationships. Our strategy is to build the best possible team in an effort to fully satisfy the needs of our client. Due to the nature of the City's request for qualifications, we have not invited any other firms to partner with us on this pursuit.

Amec Foster Wheeler offer 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.



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## Tab 5

### Ability to Perform Services



# Ability to Perform the Services Expediently at the Request of the City

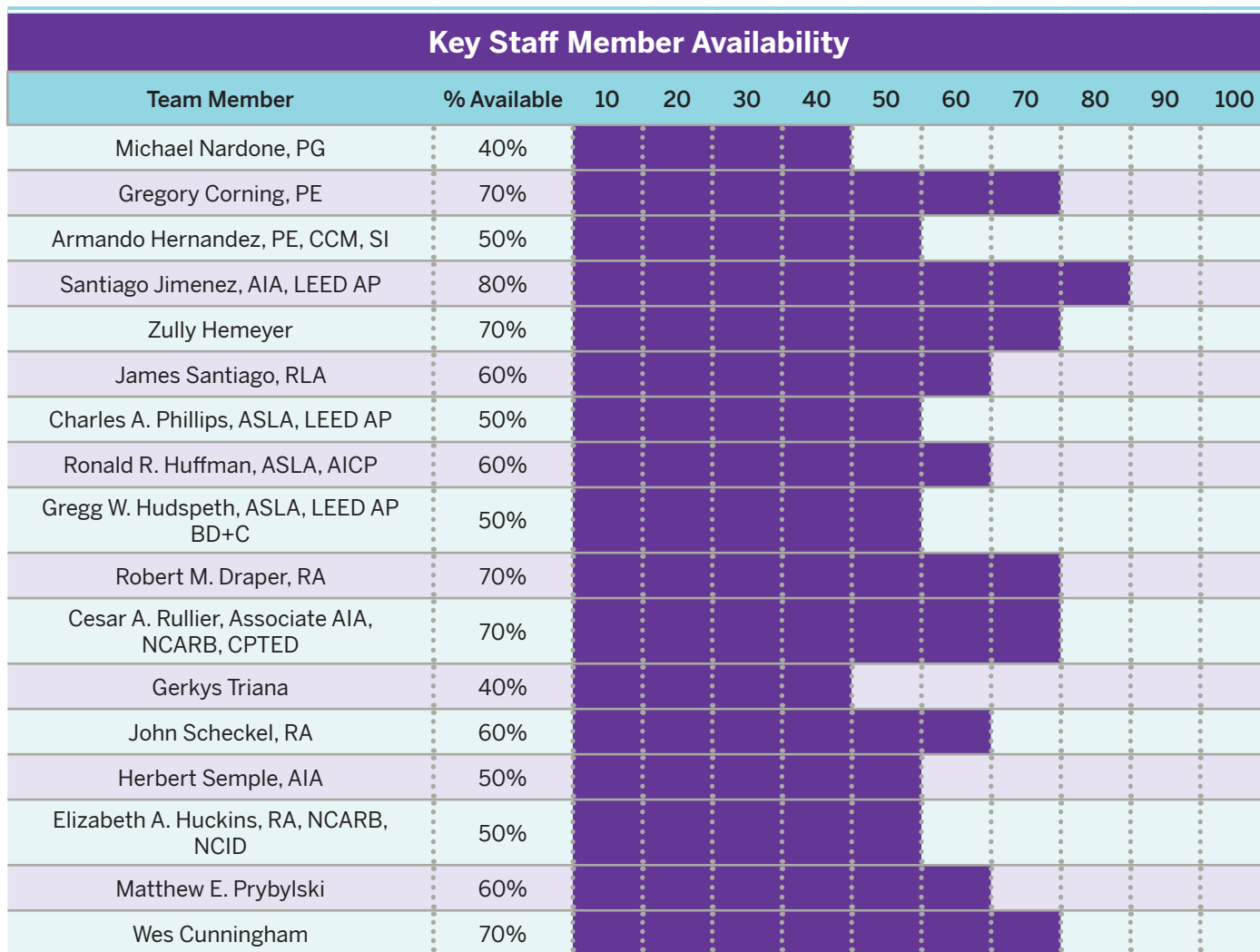


The Amec Foster Wheeler team's primary goal is to provide a strong and diverse staff with the interdisciplinary skills and depth of experience necessary to produce all the required tasks on time and within budget, while achieving a quality product.

## Location

Amec Foster Wheeler Environment & Infrastructure, Inc., 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, Amec Foster Wheeler has nearly 400 employees in 11 offices, including 100 in the South Florida region. The Amec Foster Wheeler team brings specialized Florida knowledge and experience to our clients with aided service delivery driven by our expansive financial, project management, and IT systems. Utilizing these combined services allows us to draw on vast resources of personnel and experience to meet our clients' needs.

The City of Key West project 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 close proximity of our offices to the City of Key West will enable the Amec Foster Wheeler project team to rapidly respond to all project needs in a timely and cost efficient manner.

Amec Foster Wheeler 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.

### Workload

The Amec Foster Wheeler 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 Amec Foster Wheeler 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 each and every task assignment.

The Amec Foster Wheeler 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.

The current workload and availability for the key architectural personnel over the next 12 months is depicted in the graph below. 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 would facilitate the efficient implementation of this contract.

### Ability to Provide Services

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. Santiago Jimenez, AIA, LEED AP**, 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 Amec Foster Wheeler team in terms of experience and proficiency as well as the availability of the personnel who are proposed. The professionals who would be utilized 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 Amec Foster Wheeler team is fully confident that we will complete the scope of services successfully and to the full satisfaction of the City of Key West.

### Project Management Approach

Amec Foster Wheeler's project management approach is based on our core belief in providing the highest level of service and product quality to our clients. We believe that the fundamental aspects of client service are communication, responsiveness, technical expertise, and most importantly developing a client's-perspective understanding of the project's objectives, constraints, and potential challenges.

To accomplish this level of service standard, the Amec Foster Wheeler team will strive to work closely with City staff and stakeholders as extensions of our project team. This will be facilitated through regular status reports, conversations, and meetings. As a matter of corporate policy a project execution plan (PEP) will be prepared at the initiation of the project based on the contractual scope, schedule, and budget. The PEP serves as a blueprint for internal assessment and management of project delivery performance. The plan specifically requires identification of factors which have the potential to affect the project schedule or budget along with mechanisms to measure performance and corrective action plans.

The Amec Foster Wheeler PEP is a living document that requires continual update throughout the course of the project along with independent internal project reviews. At a task execution level, Amec Foster Wheeler employs several effective project management tools to monitor the project budget and schedule. We track work efforts and progress for each element of the work plan on a weekly basis. Weekly goals are set for our staff based on the work plan and we hold them accountable for attaining those goals within the allotted hours.

### Quality Assurance/Quality Control

Amec Foster Wheeler strongly believes that ongoing-programmatic QA/QC is a key element of our plan to maintain the project schedule and budget. Our organization structure essentially provides three levels of QA/QC for small, medium,



and large projects. At a task level, peer to peer review is mandatory and a key to assuring that small mistakes are not perpetuated throughout the project, snowballing into major problems causing associated schedule and budget concerns.

Project team meetings are held on a regular basis, providing an opportunity to share project information and identify potential problems and head them off before they become schedule stoppers. Project schedules and milestone dates are reviewed at each team meeting. We often use emails to send electronic drawings and data which helps reduce schedule snags since data is more easily available and ready for use.

We set weekly goals for our project team based on our work plan and hold team members accountable for attaining those goals within the allotted hours. Project efficiency will be maximized by submitting regular project status reports, meeting as needed with City staff to facilitate communication during the course of a project, and limiting the number of team members working on a project. This allows us to meet the project schedule, but at the same time, minimize unnecessary confusion regarding responsibilities and methodologies.

Additionally, continuous senior level review is essential to meeting project goals and objectives within allocated schedules and budgets. Our specific goal is to identify and correct potential issues during the process to avoid costly and time consuming backtracking in subsequent elements of the work plan.

Amec Foster Wheeler recognizes our staff dedication and professional pride that our project team members possess as an integral component in a project's success. Our project team is focused on maintaining a common sense approach throughout the project and avoiding over-complication and over-engineering. Basically, with the experience with similar projects and services, we know what to expect, what to do, and how to do it.



## 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 final design is consistent with the intended final end-uses. Equally important is a team-wide functional knowledge and understanding of the project guidelines and specifications in the context of the overall programmatic goals of the City's vision.

The Amec Foster Wheeler team assembled for this project is comprised of a group of highly qualified and experienced professionals who have completed multiple projects with nearly identical scopes of services, budgets, and schedules to the items requested in the City's RFQ. Proposed Project Manager Mr. Jimenez is a highly experienced and uniquely qualified individual who led the team that designed the Zoo Miami Florida Exhibit and the improvements for the Trail Glades Range in Miami-Dade County. He has also served as the project manager for several parks, recreational, and sports facilities for Miami Dade County Park, Recreation and Open Spaces department. This outstanding collection of expertise, experience, and professional judgment is irreplaceable when it comes to managing project budget and schedule.

Additionally, our project team includes a group of support staff with extensive experience on numerous continuing contracts for engineering and architecture for municipalities throughout the state for projects that are similar in scope. Our firm is also capable of supplementing the project team in the event that unforeseen circumstances necessitate additional resource commitments to meet or improve schedule and/or budget performance.

The Amec Foster Wheeler team has specialized and unique knowledge along with resources that will contribute to the efficient completion of the projects with the City's contract, including:

- ▶ The majority of our team has unique and extensive experience with local and regional jurisdictional agencies which further enhances our ability to create opportunities for improvements to the project schedule and budget.
- ▶ Our team's expertise includes a unique blend of professionals that provide a comprehensive understanding of architecture, interior design, historic preservation, sustainability (LEED), BIM design, civil engineering and infrastructural design, structural engineering, mechanical engineering, electrical engineering, plumbing engineering, water resource engineering, water and wastewater services, geotechnical engineering, environmental and coastal engineering, hydrogeology, geology, hydrology, GIS, ecological/environmental sciences, and land surveying.



In addition to our local resources, our team has access to Amec Foster Wheeler's national pool of resources and experience.

Amec Foster Wheeler'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.

- ▶ We believe that it is critical that the project management philosophy be focused on the effective coordination and combination of the project elements and services required to successfully complete the project. A practical understanding of both the technical and non-technical aspects are essential to the efficient execution of this project. In summary, the key elements of our project management plan are:
  - ▶ Effective client interface and communication
  - ▶ Assignment of a senior project manager and experienced key personnel
  - ▶ Preparation of a comprehensive technical approach based on a sound understanding of the project
  - ▶ Development of a fair and complete budget to accomplish the work
  - ▶ Use of proven, computerized systems for monitoring and control of project cost and schedule





## Tab 6 LEED Accredited Staff Professionals





# LEED Accredited Staff Professionals

The Amec Foster Wheeler team brings a successful blend of talent and expertise that can be applied to this project regarding the sustainable design of parks. Our team for this project includes four LEED certified professionals who are supported by a network of nearly 60 similarly-certified Amec Foster Wheeler professionals throughout the United States. Further, Amec Foster Wheeler is a member of the U.S. Green Building Council and has LEED accredited personnel in a variety of engineering and design disciplines. Over the past five years, we have participated in a number of LEED certified projects. We make available LEED orientation/training for our employees, and we help clients achieve LEED certification and/or sustainability by: (1) applying green/sustainable design principles; (2) providing state-of-the art energy engineering to reduce energy use and design and construct renewable and sustainable energy systems; (3) using recycled and recovered materials; (4) conserving cultural and natural resources; and (5) protecting and restoring our habitat.

Amec Foster Wheeler and our team members also maintain a sustainability philosophy and project execution approach for both LEED and non-LEED projects that also considers and integrates sustainability before and after the design phase. Sustainability principals can be and should be integrated in the pre-design (site evaluation and data gathering phases) and carried throughout the design phase and into construction and commissioning. While some design firms may offer sustainable design, the Amec Foster Wheeler team is a multi-discipline team that offers a unique blend of demonstrated experience and expertise to provide a full-service multi-disciplinary/whole systems approach.



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## Tab 7 Additional Information





# Licenses

## State of Florida Department of State

I certify from the records of this office that AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC. is a Nevada corporation authorized to transact business in the State of Florida, qualified on August 3, 2000.

The document number of this corporation is F00000004389.

I further certify that said corporation has paid all fees due this office through December 31, 2017, that its most recent annual report/uniform business report was filed on January 11, 2017, and that its status is active.

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

*Given under my hand and the  
Great Seal of the State of Florida  
at Tallahassee, the Capital, this  
the Eleventh day of January, 2017*



*Ken Putnam*  
**Secretary of State**

Tracking Number: CU2410326777

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

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

RICK SCOTT, GOVERNOR MATILDE MILLER, INTERIM SECRETARY

STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
BOARD OF ARCHITECTURE & INTERIOR DESIGN

LICENSE NUMBER  
AA26002187

The ARCHITECT CORPORATION  
Named below IS CERTIFIED  
Under the provisions of Chapter 481 FS.  
Expiration date: FEB 28, 2019

AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.  
150 COCOA ISLES BLVD  
COCOA BEACH FL 32931

ISSUED: 01/24/2017 DISPLAY AS REQUIRED BY LAW SEQ # L170124000838

RICK SCOTT, GOVERNOR KEN LAWSON, SECRETARY

STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
BOARD OF LANDSCAPE ARCHITECTURE

LICENSE NUMBER  
LC00000333

The LANDSCAPE ARCHITECT BUSINESS  
Named below HAS REGISTERED  
Under the provisions of Chapter 481 FS.  
Expiration date: NOV 30, 2017

MACTEC FACILITIES DESIGN LLC  
1105 LAKEWOOD PARKWAY #300  
ALPHARETTA GA 30009

ISSUED: 11/11/2015 DISPLAY AS REQUIRED BY LAW SEQ # L1511110002490

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

License No.: LB7932  
Expiration Date: February 28, 2019

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

AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE, INC.  
1105 LAKEWOOD PKWY STE 300  
ALPHARETTA, GA 30009-7625

ADAM H. PUTNAM  
COMMISSIONER OF AGRICULTURE

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

State of Florida  
Board of Professional Engineers  
Attests that  
Gregory William Corning, P.E.

Is licensed as a Professional Engineer under Chapter 471, Florida Statutes  
Expiration: 2/28/2019 P.E. Lic. No: 79293  
Audit No: 228201901696 R

State of Florida  
Board of Professional Engineers  
Attests that  
Amec Foster Wheeler Environment & Infrastructure, Inc.

Is authorized under the provisions of Section 471.023, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.  
Expiration: 2/28/2019 CA Lic. No: 5392  
Audit No: 228201902396 R

RICK SCOTT, GOVERNOR KEN LAWSON, SECRETARY

STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
BOARD OF PROFESSIONAL GEOLOGISTS

LICENSE NUMBER  
PG1171

The PROFESSIONAL GEOLOGIST  
Named below IS LICENSED  
Under the provisions of Chapter 492 FS.  
Expiration date: JUL 31, 2018

NARDONE, MICHAEL J  
1252 SE 12 WAY  
FT LAUDERDALE FL 33316

ISSUED: 06/15/2016 DISPLAY AS REQUIRED BY LAW SEQ # L1605150001782

RICK SCOTT, GOVERNOR MATILDE MILLER, INTERIM SECRETARY

STATE OF FLORIDA  
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION  
BOARD OF ARCHITECTURE & INTERIOR DESIGN

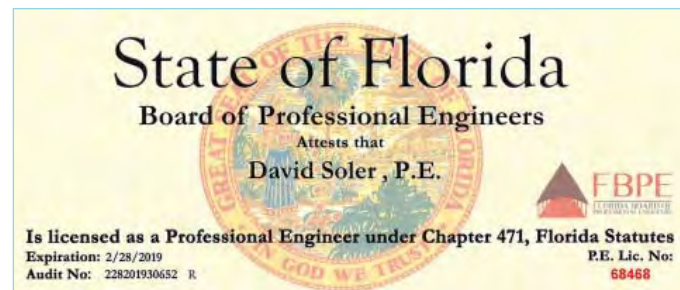
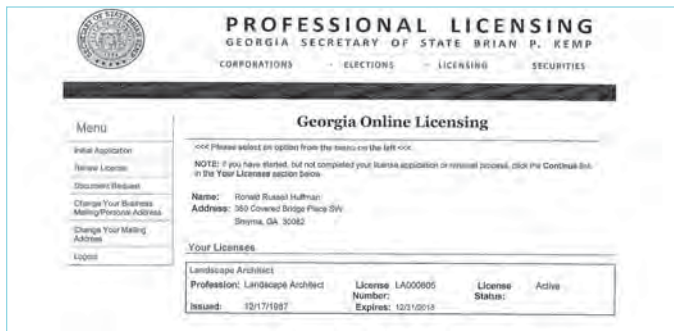
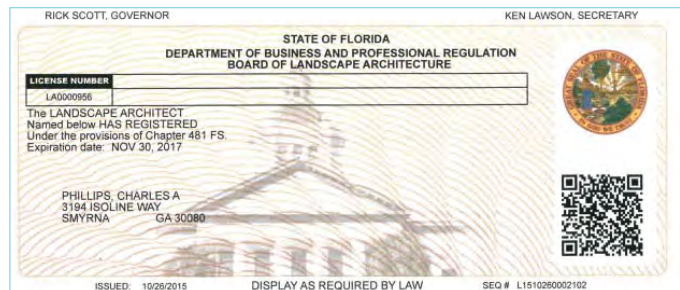
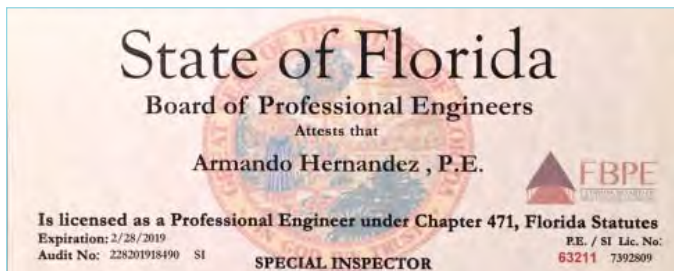
LICENSE NUMBER  
AR64368

The ARCHITECT  
Named below IS LICENSED  
Under the provisions of Chapter 481 FS.  
Expiration date: FEB 28, 2019

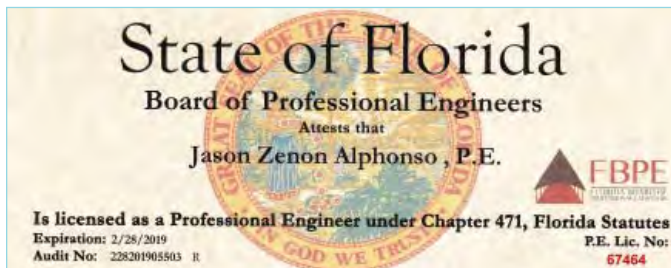
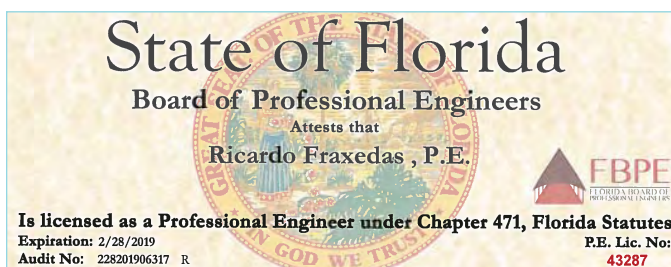
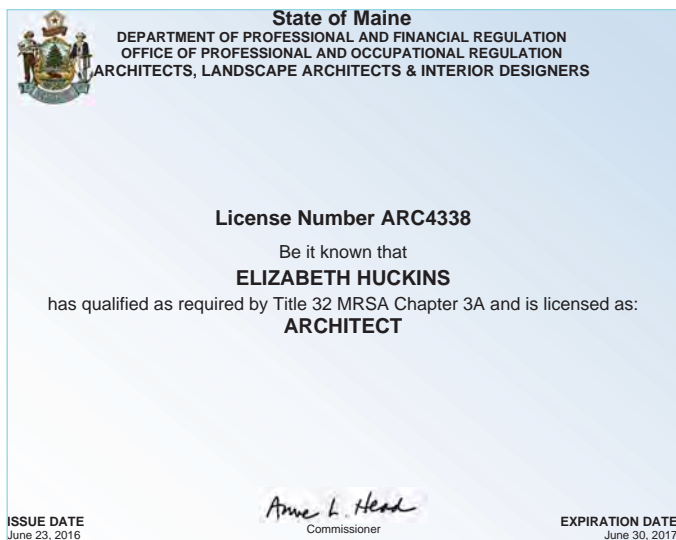
JIMENEZ, SANTIAGO  
4732 SW 67TH AVE APT K1  
MIAMI FL 33155

ISSUED: 02/28/2017 DISPLAY AS REQUIRED BY LAW SEQ # L1702280001081

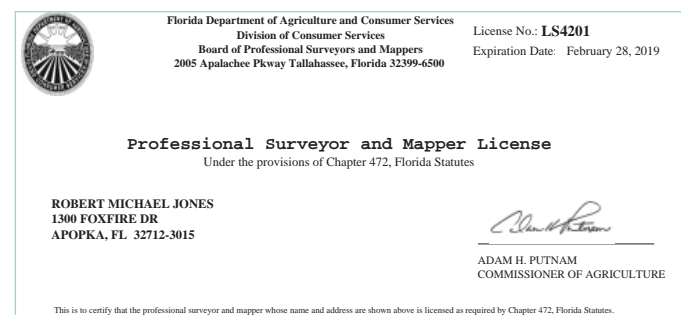
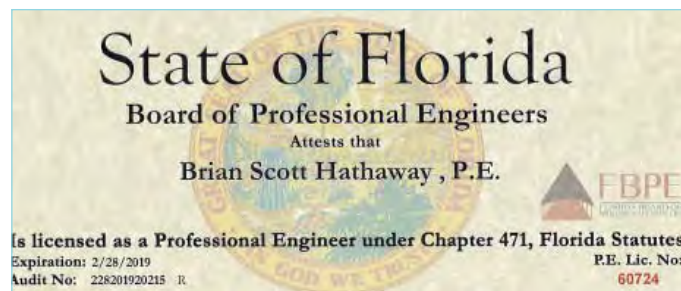




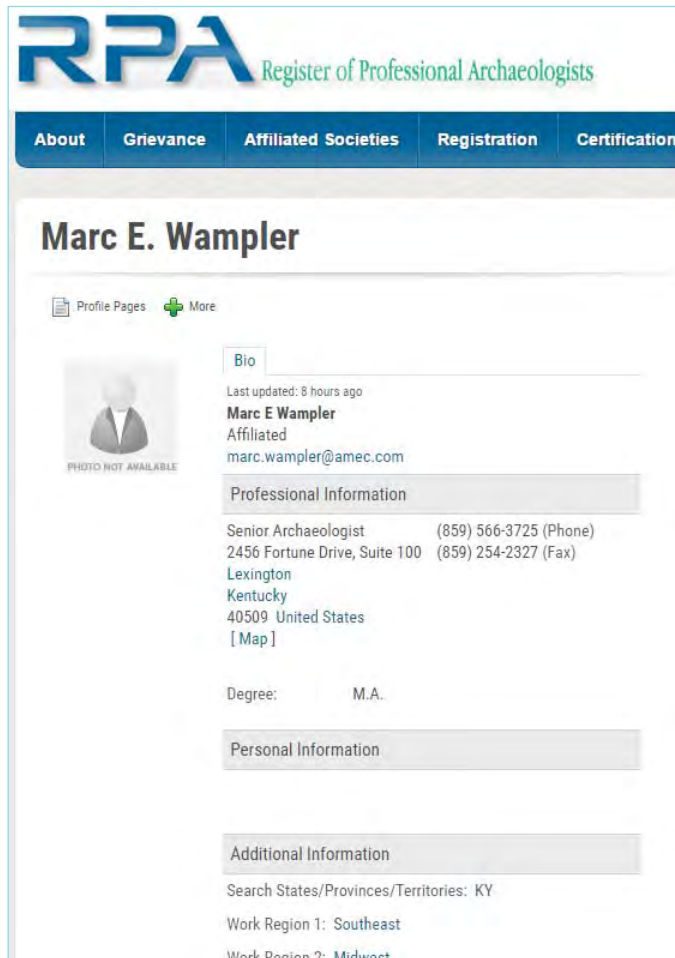
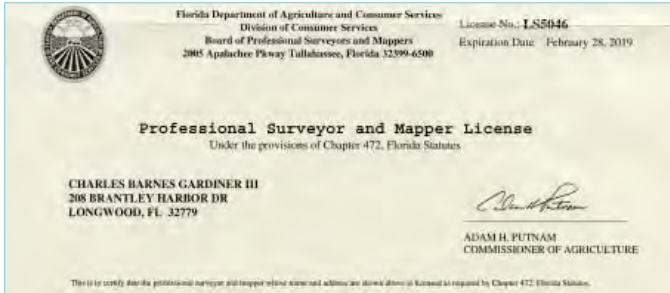




DBPR ONLINE SERVICES	
Home	
8:21:16 AM 4/10/2017	
<b>Licensee Details</b>	
<b>Licensee Information</b>	
Name:	GALLO, CARLOS A. (Primary Name)
Main Address:	3120 BUNTING RUN CUMMING Georgia 30041
County:	OUT OF STATE
License Mailing:	
License Location:	
<b>License Information</b>	
License Type:	Professional Engineer
Rank:	Prof Engineer
License Number:	47814
Status:	Current, Active
Licensure Date:	03/11/1994
Expires:	02/28/2019







Mr. Charles A. Phillips is a LEED Accredited Professional (No. 10223253). A copy of his certification is not available at the time of submission.



# Addendum Acknowledgement



THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3883

## ADDENDUM NO. 1

ARCHITECTURAL SERVICES / RFQ # 17-001

March 20, 2017

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

### On Page 2 of 48 Please make the following change:

For information concerning this Request for Qualifications please contact **Janet Muccino, Project Manager**, Engineering Services Department only in writing and requests for information must be received at least ten (10) days prior to the date fixed for opening of responses to RFQ. The contact email address is [jmuccino@cityofkeywest-fl.gov](mailto:jmuccino@cityofkeywest-fl.gov). The City's "Cone of Silence" Ordinance Section 2-773 does not allow verbal communication.

### On Page 11 of 48 Please make the following change:

#### Contacts:

All requests for information should be only in writing and emailed to **Janet Muccino, Project Manager** at [jmuccino@cityofkeywest-fl.gov](mailto:jmuccino@cityofkeywest-fl.gov) and requests for information must be received at least ten (10) days prior to the date fixed for the opening of responses to the RFQ. Any and all such interpretations and any supplemental instructions will be in the form of written addendum to the RFQ. If City issues an addendum, the Respondent has sole responsibility to receive any such addendum or any interpretations shall not relieve such Respondent from any obligation under his response as submitted. All addenda so issued shall become a part of the Contract document.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 with Attachment by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.

Signature

Amec Foster Wheeler Environment &  
Infrastructure, Inc.

Name of Business



## THE CITY OF KEY WEST

Post Office Box 1409 Key West, FL 33041-1409 (305) 809-3883

### ADDENDUM NO. 2

#### ARCHITECTURAL SERVICES / RFQ # 17-001

April 5, 2017

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

#### QUESTIONS 1- 5

- 1.) Q1: The RFQ invitation states that requests for information must be received at least ten (10) days prior to the date fixed for opening of responses to RFQ, which is scheduled for April 12, 2017. Is that ten (10) calendar days or ten (10) business days?

**RESPONSE:** *The GENERAL CONDITIONS, PAGE 39, Item 7 DAYS states:*

*Unless otherwise specifically stated, the term "days" will be understood to mean calendar days.*

- 2.) Q2: Is there a minimum / maximum budget for professional fees per project?

**RESPONSE:** *No*

- 3.) On page 7 of the above referenced RFQ (at the bottom of the page under SUBMISSIONS DETAILS) it is stated: Anti-Kickback Affidavit and Public Entity Crimes Certification for **all participating members of any team and Sub-consultant(s) participating team members.**

**Question:**

Does the Anti-Kickback Affidavit Form on page 13 need to be **signed by all FIRMS (Prime and Subs) – or - does it need to be signed By all INDIVIDUALS (of the Prime and Sub Firms)?**

**RESPONSE:** *Prime only.*



- 4.) Please let us know if the 100 double sided maximum page count includes the Cover, Title Sheet, Table of Contents, and Tabs.

**RESPONSE: Yes**

- 5.) We will be submitting for the general engineering services. Will that preclude us from being a sub consultant on the architectural RFQ?

**RESPONSE: No**

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 with Attachment by submitting the addendum with their proposal. Proposals submitted without acknowledgement or without this Addendum may be considered non-responsive.



Signature

Amec Foster Wheeler Environment &  
Infrastructure, Inc.

Name of Business



# Required Forms

## ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA                     )  
  : SS  
COUNTY OF POLK                    )

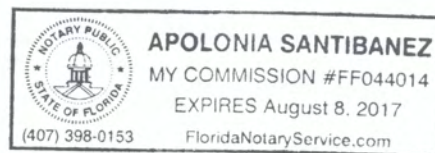
I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: Michael D. Phelps, PE

Sworn and subscribed before me this

12<sup>th</sup> day of April, 2017.

\_\_\_\_\_  
NOTARY PUBLIC, State of Florida at Large



My Commission Expires: August 8, 2017

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

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

1. This sworn statement is submitted with Bid, Bid or Contract No. 17-001 for  
Architectural Services
2. This sworn statement is submitted by Amec Foster Wheeler Environment & Infrastructure, Inc.  
(Name of entity submitting sworn statement)  
whose business address is 5845 NW 158<sup>th</sup> Street, 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.)
3. My name is Michael D. Phelps, PE and my relationship to  
(Please print name of individual signing)  
the entity named above is Office Manager.
4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including but not limited to, any Bid or contract for goods or services to be provided to any public 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, material misrepresentation.
5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a finding of guilt or a conviction of a public entity crime, with or without an adjudication of guilt, in any federal or state trial court of record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
  1. A predecessor or successor of a person convicted of a public entity crime: or
  2. An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.
7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter



into a binding contract and which Bids or applies to Bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with 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.

8. Based on information and belief, the statement, which I have marked below, is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

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

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

☐ There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (Please attach a copy of the final order.)

☐ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in the public interest to remove the person or affiliate from the convicted vendor list. (Please attach a copy of the final order.)

☐ The person or affiliate has not been put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)



(Signature) April 12, 2017

(Date)

STATE OF Florida

COUNTY OF Polk

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

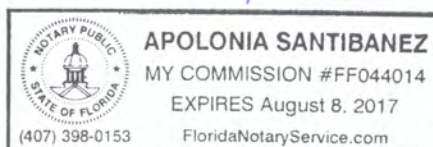
Michael D. Phelps, PE

(Name of individual signing)

who, after first being sworn by me, affixed his/her signature in the

space provided above on this 12<sup>th</sup> day of April, 2017.

My commission expires: 8/8/17  
NOTARY PUBLIC



**EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT**

STATE OF Florida )  
 : SS  
COUNTY OF Polk )

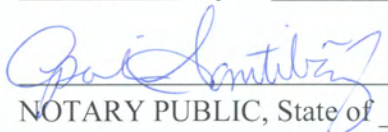
I, the undersigned hereby duly sworn, depose and say that the firm of Amec Foster Wheeler Environment & Infrastructure, Inc. provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses per City of Key West Ordinance Sec. 2-799.



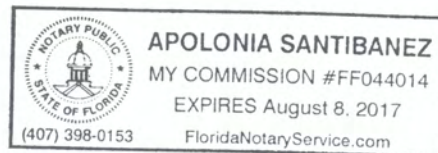
By: Michael D. Phelps, PE

Sworn and subscribed before me this

12<sup>th</sup> day of April, 2017.

  
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: August 8, 2017



**CONE OF SILENCE AFFIDAVIT**

STATE OF Florida )  
 : SS  
COUNTY OF Polk )

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of Amec Foster Wheeler 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).

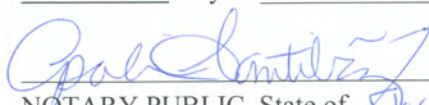
  
(signature)

April 12, 2017

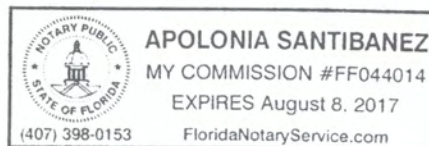
(date)

Sworn and subscribed before me this

12<sup>th</sup> Day of April, 2017.

  
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: August 8, 2017





## INDEMNIFICATION

To the fullest extent permitted by law, the CONSULTANT expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents, and employees (herein called the "indemnitees") from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the CONSULTANT, its Sub-consultants or persons employed or utilized by them in the performance of the Contract. Claims by indemnitees for indemnification shall be limited to the amount of CONSULTANT's insurance or \$1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the project specifications or the bid documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the CONSULTANT under workers' compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the CONSULTANT or of any third party to whom CONSULTANT may subcontract a part or all of the Work. This indemnification shall continue beyond the date of completion of the work.

CONTRACTOR: Amec Foster Wheeler Environment & Infrastructure, Inc.

5845 NW 158<sup>th</sup> Street, Miami Lakes, Florida 33014  
Address

  
Signature

Michael D. Phelps, PE  
Print Name

Office Manager  
Title

April 12, 2017  
Date



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# Certificate of Insurance



## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
04/27/2016

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

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

<b>PRODUCER</b> Construction Risk Partners, LLC  Campus View Plaza 1250 Route 28, Suite 201 Branchburg, NJ 08876	1-908-566-1010  <b>INSURED</b> Amec Foster Wheeler Environment & Infrastructure, Inc.  1105 Lakewood Parkway, Suite 300 Alpharetta, GA 30009	<b>CONTACT NAME:</b> <b>PHONE (A/C, No, Ext):</b> <b>FAX (A/C, No):</b> <b>E-MAIL ADDRESS:</b>  <table border="1"> <thead> <tr> <th colspan="2">INSURER(S) AFFORDING COVERAGE</th> <th>NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A:</td> <td>ACE AMER INS CO</td> <td>22667</td> </tr> <tr> <td>INSURER B:</td> <td>ZURICH AMER INS CO</td> <td>16535</td> </tr> <tr> <td>INSURER C:</td> <td>ACE PROP &amp; CAS INS CO</td> <td>20699</td> </tr> <tr> <td>INSURER D:</td> <td>AMERICAN ZURICH INS CO</td> <td>40142</td> </tr> <tr> <td>INSURER E:</td> <td></td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A:	ACE AMER INS CO	22667	INSURER B:	ZURICH AMER INS CO	16535	INSURER C:	ACE PROP & CAS INS CO	20699	INSURER D:	AMERICAN ZURICH INS CO	40142	INSURER E:			INSURER F:		
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INSURER E:																							
INSURER F:																							

### COVERAGES

CERTIFICATE NUMBER: 46705241

REVISION NUMBER:

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:			HDO G24557728	05/01/16	05/01/17	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COM/OP AGG \$ 4,000,000 \$
B	<b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input checked="" type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> Comp \$1,000X <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS <input checked="" type="checkbox"/> Coll \$1,000			BAP 9483148-05	05/01/16	05/01/17	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input type="checkbox"/> RETENTION \$ 10,000			XOO G27240665	05/01/16	05/01/17	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 \$
D	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WC 3504866-15 WC 3867133-09	05/01/16 05/01/16	05/01/17 05/01/17	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

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

Evidence of Insurance.

### CERTIFICATE HOLDER

Amec Foster Wheeler Environment & Infrastructure, Inc.  
  
 1105 Lakewood Parkway, Suite 300  
 Alpharetta, GA 30009  
 USA

### CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

*William R. Harrison*

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ACORD 25 (2014/01)  
Sklein  
46705241

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**Amec Foster Wheeler**  
5845 NW 158<sup>th</sup> Street  
Miami Lakes, Florida 33014  
305.826.5588

