

CITY OF KEY WEST

RFQ NO. 11-002

Request for Qualifications

**Design of Tarpon Pier Replacement for
City Marina at Garrison Bight**

Prepared by:



Hans Wilson & Associates, Inc.

Marine & Environmental Consultants

1938 Hill Avenue • Fort Myers, Florida 33901

(239) 334-6870 • FAX (239) 334-7810

hans@hanswilson.com

In conjunction with sub-consultants

Reuben Clarson Consulting, Inc.

Miller Surveying, Inc.



Closing Date / Time: May 18, 2011 at 3:00 P.M.



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1 ~ Cover Letter



Hans Wilson & Associates, Inc.

Marine & Environmental Consultants

1938 Hill Avenue • Fort Myers, Florida 33901

(239) 334-6870 • FAX (239) 334-7810

May 17, 2011

Doug Bradshaw
Senior Project Manager
City of Key West
P.O. Box 6434
Key West, FL 33041-6434

Subject: Tarpon Pier Replacement

Hans Wilson & Associates, Inc. (HWA) is pleased to provide our response to the Request for Qualifications the Design of Tarpon Pier replacement for City Marina at Garrison Bight (RFQ No. 11-002) for the City of Key West. Enclosed are one (1) original package, one (1) additional hard copy, and two (2) CDs in Adobe PDF format.

As the contract authority, our submittal of this package stands as our agreement to meet the insurance requirements and execute services as outlined in the RFQ. With the same authority, I have reviewed the enclosed documents and certify the contents of this submittal to be true and accurate.

We have assembled our favored consulting professionals that we have successfully worked with before and who we may need for this project. We have identified their talents and experience level to assure the City that the HWA team is the best resourced and least expensive option for the Tarpon Pier replacement project.

We appreciate this opportunity and the consideration of our firm and look forward to having an opportunity to interview with the selection committee and to discuss the various projects we have completed in the past. We anticipate developing a great working relationship with the City of Key West.

Sincerely,

Hans Wilson, P.E.



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2 ~ Information Page



Hans Wilson & Associates, Inc.

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INFORMATION PAGE

PROJECT NAME: Design of Tarpon Pier Replacement
for City Marina at Garrison Bight

NAME OF FIRM (PRIME): Hans Wilson & Associates, Inc.

PROJECT MANAGER: Hans Wilson, PE
1938 Hill Avenue
Fort Myers, Florida 33901
Office (239) 334-6870
Cell (239) 707-7575
Fax (239) 334-7810
E-mail hans@hanswilson.com

CONTRACT AUTHORITY: Hans Wilson, PE
1938 Hill Avenue
Fort Myers, Florida 33901
Office (239) 334-6870
Cell (239) 707-7575
Fax (239) 334-7810
E-mail hans@hanswilson.com



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3 ~ Organization Chart



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ORGANIZATION CHART

PRIME CONSULTANT and KEY PERSONNEL

Hans J.M. Wilson, P.E.
President
PROJECT MANAGER
Fort Myers, FL

Chester R. Young, VP
Senior Project Manager
Fort Myers, FL

Theresa F. Cauthen, E.I.
Project Manager/ Engineering
Fort Myers, FL

Michael Kurtz
Construction Management
Fort Myers, FL

Johanna Shifflette
Permit Specialist
Fort Myers, FL

Jeff Bozic
CAD Technician
Fort Myers, FL

Nancy Van Drie
Administrative Assistant
Fort Myers, FL

Robin Mixon
Chief Financial Officer
Fort Myers, FL

SUB-CONSULTANTS

Reuben Clarson, PE
Structural Engineer
St. Petersburg, FL

Sandra Walters
Environmental
Key West, FL

Chad Huff, PE
Electrical Engineer
Fort Myers, FL

Derek Miller, PLS
Surveyor
Port Charlotte, FL



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4 ~ Company Information



Hans Wilson & Associates, Inc.

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COMPANY INFORMATION



Hans Wilson & Associates, Inc. (HWA) is an Environmental Consulting and Marine Engineering firm formed in 2000 to focus on the specific environmental and waterfront needs of their clients. The main (only) office for HWA is located at 1938 Hill Avenue in Fort Myers. The HWA Vision statement is *"to provide quality, cost effective consulting and engineering design services, balancing the impact of human development in the environment."*

The HWA tenants of operation are Knowledge, Quality, and Service. HWA strives to be the most knowledgeable in their field of expertise. Quality in graphical representations, report writing, engineering evaluations, attention to detail, are important in satisfying the clients needs. Finally service in the form of efficient and timely communications with the client, the regulatory agencies, affiliates, and sub-consultants are paramount to the delivery of the project and continuation of services with our clients.

To fulfill the vision statement and tenants of operation, HWA has developed a team of multi-talented individuals with unique expertise in areas of planning, design, permitting, and construction. Consulting talents within the corporate framework include ocean engineers from Florida Atlantic University, a certified CAD technician, a paralegal that specializes in permit and time frame management, as well as a marine construction specialist with a strong background working on civil engineering and surveying projects.

HWA has also developed a number of affiliate firms that have unique traits and abilities that complement HWA talents, providing cost effective consulting to HWA clients on a project specific basis. Affiliate firms include terrestrial and marine biology, surveying services, site civil design, wastewater treatment, public relations, and lobbying.

HWA works within the private and public sector on a variety of upland and waterfront projects, incorporating creative design with extensive knowledge of the regulatory process. The principal focus of the organization has been waterfront commercial and recreational facilities, marina design and renovation, shoreline stabilization, and dredging projects. HWA has also completed a number of public parks, large environmental studies, and mitigation areas. HWA also carries the requisite general and professional liability insurances for all operations, including USL&H (Longshore Harborworkers Compensation Act Insurance) covering work conducted over the water, for which Workers Compensation does not apply. This insurance alone can identify those consulting firms properly committed to working on and around the water.

Key officers for Hans Wilson & Associates include Hans Wilson, P.E. and Chester Young. They have 59+ years combined experience dealing with design, surveying, permitting, and construction management.

Hans Wilson, P.E. is the owner and president of Hans Wilson & Associates. Hans Wilson is a licensed Professional Engineer registered in the State of Florida that has over 29 years of experience in planning, design, permitting, and construction management of various coastal resource and waterfront development related projects. Hans is responsible for all reports and data interpretation related to Environmental Resource Permitting, development of suitability reports, and site inventories. Hans is an expert in environmental design, permitting, and enforcement issues relative to local, state and federal permitting agencies.

Chester Young, Vice President and Senior Project Manager has over 20 years experience in civil engineering, surveying, and waterfront related engineering projects. He is responsible for design, permitting, and construction management of a variety of coastal projects, with an emphasis on dredging construction and lake bank restoration. Chester is experienced working with Lee County Multiple Service Benefit/Taxing Units (MSBTU) as well as a variety of Master Associations.



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COMPANY INFORMATION

It is the belief of both Hans and Chester that passion for the job at hand is essential for success in the environmental and engineering field. Along with the passion there has to be the skill sets required to complete the job. To assure that the skill sets are present it is recognized that in today's technologically challenging work place continuing education is not optional, but essential.

HWA takes great pride in having completed a diversity of projects and of having a staff that not only works, but plays in the same project areas. This brings to future endeavors the end user perspective of how the final product will perform. It is the ongoing use, whether a marina, navigation channel, or fishing a mitigation site that results in refinement of future projects that frequently makes the difference in a facility.

To retain a lean operation and apply the right people to the task we frequently use specialists for those project components outside the normal expertise of the company. HWA has listed the sub-consultants that have the skills and team spirit required to provide services for the task codes HWA has applied for in the RFQ. All of the sub-consultants listed have worked with HWA on past projects and efficiently blend their talents and business operations with the HWA machine. The sub-consultants listed have a record of clear communications and delivery of product within a budget and given time frame. Sub-consultants include:



(Sandra Walters Consultants, Inc.) provides services in all areas of **ecological and environmental consulting**; and **land use** and public facilities **planning and permitting**; including habitat assessments, wetland permitting and mitigation design, environmental impact statements, compliance monitoring, development agreements, and submerged land leases.

SWC has extensive experience working with regulatory agencies to develop project designs that minimize impacts and meet permitting requirements, and to bring clients into compliance with regulatory standards. The firm has conducted data collection and analysis, and written environmental and planning sections of **NEPA documents for FDOT, the FAA, the South Florida Water Management District, and U.S. Army Corps of Engineers**, and also provides environmental compliance monitoring services during construction.

SWC uses state-of-the-art **Geographic Information Systems (GIS) technology** to make accurate assessments of jurisdictional areas and facilitate graphic data presentation. SWC is also fully trained in utilization of State and federal wetland assessment methodologies.

SWC provides a range of services in **contamination assessment**, including conducting Phase I and II environmental site assessments, and soil and groundwater testing and reporting.

Many clients have benefited from **representation** by the firm with agencies and public officials at the local, state and federal level, and **expert witness** testimony in State of Florida administrative hearings and court proceedings.

SWC is certified as a **disadvantaged business enterprise (DBE)** with the State of Florida, South Florida Water Management District (SBE), Florida Department of Transportation, Broward (also CBE), Dade (also SBE) and Lee counties, and is a **woman-owned small business (WOSB)** with the federal government.

SWC is also very experienced at coordinating **communications**, including **public information and involvement** programs and is fully acquainted with all NEPA requirements. **SWC** can provide plan development; community outreach and consensus building using various tools such as workshops, seminars and public meetings; and preparation and placement of advertisements. The firm has full multimedia capabilities for production of public presentations, websites, newsletters, news releases, and all support documents.



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The principal of the firm, Sandra Walters, has more than 25 years professional experience. She presently serves on and is a former chair of the South Florida Regional Planning Council, appointed by governors Bush and Crist; and served a four-year term as a Governor's appointee on Florida's Acquisition and Restoration Council, which oversees purchase and management of State conservation lands.

The firm has offices in Monroe, Dade, Broward and Lee counties, providing services throughout the South Florida peninsula, both on the coast and inland.



HSA Engineers & Scientists (HSA) is based in the southeastern U.S. and is a member of the Conestoga-Rovers and Associates (CRA) global network of companies. HSA provides full-service engineering, environmental, construction, and litigation support services, and can also undertake equity investments related to these areas of expertise. Our family of professionals are located in nine offices situated in Tampa, Pensacola, West Palm Beach, Orlando, and Fort Myers, Florida; Charleston and Hilton Head, South Carolina; and Atlanta and Savannah, Georgia.

Our Fort Myers office was established as Anchor Engineering Consultants, Inc. in 1980 and was merged with HSA Engineers & Scientists in 2003. Since then, our Fort Myers staff has grown from 12 to over 35 employees. HSA has the unique capability of providing a full range of engineering services required on a project

HSA supports a staff of over 270 employees. Many of our senior professionals have held (or currently hold) university appointments and teach courses at both the university and community college levels. Members of our staff currently hold patents on investigative and remedial tools, a clear indication of our continued dedication to innovation.

**Reuben
Clarson, PE.**

Mr. Clarson is a civil engineer with over 45 years of experience in the marine industry. His experience spans design thru build including oversight and inspections for projects such as FDOT bridge and road projects, marinas (including seawalls, docks, and piers), port facilities, and USACE projects. Mr. Clarson has also been involved as an expert witness and has extensive forensic engineering experience which provides added value through his association as referenced in his resume attached.

Miller Surveying, Inc.

Miller Surveying Inc. was created and incorporated in 2005, through the perseverance and hard work of Derek S. Miller, P.S.M. Mr. Miller has worked in the southwest Florida area for various surveying and engineering companies for the past 28 years. Since its inception, Miller Surveying Inc. has been performing various types of surveying and mapping services throughout the southwest Florida area. Those services include commercial and residential construction, submerged land easements, and capital improvement projects for local municipalities.



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5 ~ Methodology and Approach



Understanding and Community Engagement - Hans Wilson & Associates, Inc. (HWA) has a clear understanding of Garrison Bight and the importance Tarpon Pier has as a residential development. Though considered by many as a marina, the liveaboard status and custom construction of many of the "vessels" confirm that this is a close community that relies on this facility for essential services. They include shelter, clean water, sewage services, and reliable electricity. It is in the residents as well as the City's best interests to make the transition from the old dock to the new facility as seamless as possible. The most critical aspect of this project is not necessarily the construction as it is the communication. Before any work is initiated, a construction plan needs to be explained to the residents in a workshop setting. This should be a conceptual plan to encourage input and participation by the residents. We believe an overall consensus should be developed by participants in the workshop as to the best possible plan using the conceptual plan as a template. It will be important to discuss cost to benefit issues during the workshop so that residents and city staff can understand the economic impact relative to the level of inconvenience. Options to consider in the cost to benefit analysis include temporarily relocating residents to other docking facilities or to upland quarters so that vessels remain unoccupied during construction. It may require two workshops to assess all the input and provide a final working construction plan that has stakeholder buy in.

Construction Plan - The following is a conceptual plan HWA proposes for the sequential replacement of the pier. It begins with constructing the new floating dock in a location in close proximity (within Garrison Bight) to Tarpon Pier. The dock would be temporarily anchored using any combination of existing mooring piles and temporary anchoring systems. An evaluation of the bottom conditions would be required to assure temporary mooring was adequate for use of the docks and did not impact resources. Temporary electrical service would be provided to the existing residents as the existing power pedestals are removed for placement on the new dock. Once the new dock is completed and temporary services provided (e.g. sewage pumpout, electricity, water, cable) the larger vessels would be temporarily relocated to the new dock. We would recommend moving as many of the existing vessels as possible that would fit elsewhere in the Bight, for example on Kingfish or Marlin piers, to reduce the loading on the temporary dock.

The existing Tarpon pier would then be demolished. Depending on core boring information, driving of the new piles to laterally support the floating dock may be done in a very short time (preferred). There are some logistical problems associated with preserving the outboard mooring piles and fitting a construction barge in the space, however this can be overcome by installing the new piles working out from the shoreline. Construction of the new dock would include preparation for connection to the infrastructure at the base of Tarpon Pier. When the pile installation is complete, the vessels moored to the new dock would be temporarily relocated, the new dock disconnected from temporary service, and then positioned in place. There are floating dock manufacturers that have the ability to adjust their pile guides horizontally to address any minor deviations in the piling alignment. As soon as the floating dock is in place, it would be attached to the anchor piles and the vessels could be relocated back into their slips. The dock should be connected to the landside infrastructure in a fairly short period of time.



METHODOLOGY AND APPROACH

Scope of Services, Deliverables & Time Frame – The following is a task sequence, deliverables, and estimated time frame to accomplish this project. Time frame starts from the City's approval of the Engineers contract.

A. Research - Review past site specific information related to the replacement of the Marline dock, including past core boring information, if available. Verify that the City is in compliance with all existing agency permits.

Deliverable: Summary report of any findings associated with compliance that has a material impact on permitting of the Tarpon Pier replacement.

Timeframe: 30 days (Total 30)

B. Field Work - Collect geophysical information regarding existing waterfront structures (e.g. docks, seawalls, mooring piles, revetments) as they affect the ability to relocated existing vessels. Determine beam widths of all vessels on Tarpon Pier to establish the ability to relocate them to alternative sites. Set horizontal and vertical controls for data acquisition and future construction. Complete a bathymetric survey (if not already available) within the project limits for permitting purposes. Complete a benthic survey mapping any seagrass habitat, oysters, bivalves, corals, and other resources potentially impacted by the proposed construction. Identify, measure and record location of potentially impacted coral resources. Coordinate with a testing firm for collection of core borings (if not available) critical for piling design and anchoring capacity for the floating dock. Prepare drawings necessary to set controls and orient data collected during field work.

Deliverable: Work in Progress.

Timeframe: 30 days (Total 30)

C. Data Analysis – Initiate the Florida Uniform Mitigation Assessment Method (UMAM) procedures and set up formulas for a quantitative analysis of pre- and post-construction environmental impacts to the site. Analyze site information regarding habitats, existing depths, and existing structure dimensions. Evaluate the proposed site for plan for avoidance and minimization opportunities. Complete an impact assessment and prepare associated tables in the form of an environmental supplemental report for the engineer's submittal of the ERP application. Prepare a master site plan compiling resource identification, locations, depths, size information, and the overall results of the field work.

Deliverable: Environmental Assessment report and basic site map information.

Timeframe: 45 days (Total 75)

D. Design Services - Prepare a preliminary concept plan for replacement of the dock and relocation of existing vessels. Prepare a proposed construction plan and sequencing for review by City staff. Prepare an assessment of options and associated costs tied to the construction plan. Summarize cost estimates and prepare a summary report. Conduct a workshop with Tarpon Pier residents and City staff to discuss construction sequencing and to ferret out issues that may be problematic for the project.

Assess stakeholder input, revise the construction plan in collaboration with City staff, and consider the need for a second workshop.

Deliverable: Construction drawings @ 30% complete, approved construction plan.

Timeframe: 60 days (Total 135)



E. Permit Applications – Complete preparation of an Environmental Resource Permit (ERP) application and submit to the Florida Department of Environmental Protection (DEP) and the U.S. Army Corps of Engineers (USACE). Prepare representative plan view and cross-sections suitable for permit application submittal. Prepare an overall description of the proposed construction activities and complete associated tables within the ERP application. Prepare the Manatee and Smalltooth Sawfish Biological Evaluation forms and Section 7 consultation checklist. If a significant amount of submerged aquatic vegetation would be affected, which is not anticipated, prepare a draft Essential Fish Habitat (EFH) assessment for the National Marine Fisheries Service and USACE.

Evaluate surveyed coral resources in conjunction with Florida Keys National Marine Sanctuary (FKNMS) staff to determine appropriate mitigation. Generally, coral colonies greater than 15 cm in diameter, and in some cases greater than 10 cm, will be removed and relocated to appropriate substrate nearby. If there is insufficient substrate onsite or nearby, FKNMS staff will assist in evaluating alternative locations for reattachment or placement of the corals into a local coral nursery. Should any of the corals present be deemed unsuitable for relocation due to size, plating shape, or species, donation into the FKNMS Key West Coral Nursery Program Fund, which is managed by the National Marine Sanctuary Foundation, is a mitigation alternative to relocation.

Donation amounts are based upon the measured area of unavoidable impacts to corals. Review and certify application package for information accuracy and certify.

Deliverable: ERP application for signatures.

Timeframe: 30 days (Total 165)

F. Local Government Application – Prepare and submit a building permit application to the City of Key West in the form required by the City. This work will be tied to the transfer of infrastructure support from the existing dock to the new dock, working with the Florida Keys Aqueduct Authority (FKAA) and Keys Energy Services (KEYS). Prepare additional plan view, detail view, and cross sections as required for the permit application. Prepare an overall description of the proposed construction activities relative to the City land development regulations and building code. Review and certify application package for information accuracy.

Deliverable: Local government application for signatures.

Timeframe: 30 days (Total 165)

G. Application Coordination - Prepare and submit responses to requests for additional information (RAIs) from the regulatory agencies as part of the processing of the permit application. Initial efforts will be made to secure an exemption from the DEP for replacement of the existing structure and for a USACE nationwide permit. Discussions with Bruce Franck, the Environmental Manager for the Marathon office of the DEP suggest that the project will qualify for the state exemption. It is possible though that with the location of the site within the Florida Keys Area of Critical State Concern and National Marine Sanctuary, the regulatory agencies may seek to issue their authorization(s) as individual permits. This work will be conducted concurrently with processing of the local authorizations to disconnect and reconnect the infrastructure at the site, including authorizations for temporary services.

Deliverable: Local, state, and federal authorizations.

Timeframe: 90 days (Total 255)



Hans Wilson & Associates, Inc.

METHODOLOGY AND APPROACH

H. Construction Plans & Specifications – Perform all necessary calculations required to prepare plans and specifications for the design suitable for the existing site conditions and anticipated uses. Drawings will be signed and sealed for construction permitting with the City of Key West. Prepare the following detail sheets: overall dock plan; specific dock dimensions; electrical pedestal and lighting plan; accessory plan including cleat layout; fire suppression, water layout, and sewage pumpout location plan; representative cross sections with specific construction details; general notes and construction specifications sheet; and any permit compliance information and reporting requirements. This work will occur concurrent with agency permitting and will be ready to go upon issuance of all authorizations.

Deliverable: 90% completed plans and specifications for City review and comment.

Timeframe: 90 days (Total 255)

I. Bid Coordination - Prepare and submit a bid package for contractors to bid on. Coordinate with bidding contractors on project details, answer questions, and consider revisions as appropriate. Develop bid addendums as required to clarify construction elements. Review proposals, compare cost estimates, and make a recommendation to the City regarding selection of a contractor.

Deliverable: Bid tabulation and contractor recommendation.

Timeframe: 30 days (Total 285)

J. Construction Observation – We recommend that the HWA Team conduct any coral transplantation that may be required by the FKNMS, as SWC marine biologist Michelle Braynard is fully qualified by the Sanctuary to conduct this work. Following that—if required—conduct a pre-construction, on-site meeting with the selected marine contractor to discuss the proposed construction, permits, and operating conditions. Conduct observations of the construction in progress at milestones coordinated with the principal contractor. Monitor contractor actions for compliance with the plans and specifications, including all permit conditions regarding environmental impacts and turbidity control. Coordinate progress payment requests from the contractor. Coordinate any contractor requests for information, including field verification of issues. Participate in any change order negotiations and assist in resolution of disputed issues. Confirm substantial completion and develop a punch list of items for final completion and payment. Field verify final plan layout and submit information to the regulatory agencies to convert the project from a construction permit to an operating permit, as required. These are minimum services required to provide engineered plans and specifications as outlined in Construction Plans and Specifications. Additional on site observations may be directed by the owner. Time frame includes a minimum of 60 days for contract negotiation and construction of the floating docks. Actual construction time once the materials are delivered to the site should take approximately 60 days.

Deliverable: Project constructed on time and within budget.

Timeframe: 120 days (Total 405)



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6 ~ Personnel



Hans Wilson & Associates, Inc.

PERSONNEL
Prime Consultant

Hans J.M. Wilson, P.E. – President

Hans is the principal engineer and owner of Hans Wilson & Associates, Inc. Educated as an Ocean Engineer (BSOE '81), Hans secured his Florida Professional Engineer license in 1988. Hans' principal focus has been in the marine environment, designing a mix of hard structures (e.g. marina's, revetments) and marine habitats to complement those designs and improve water quality. Current responsibilities include: site investigations and habitat analysis; planning and engineering design; local, state, and federal regulatory permitting; construction administration related to marinas, docks, dredging, seawalls, revetment, mitigation shelves, and habitat restoration. Specific responsibilities and expertise include development feasibility studies, project management, regulatory permitting, development of construction plans and specifications, design and analysis of hydrodynamic surveys, modeling of flows and flushing within marina basins and waterways, assessment of benthic habitats, analysis of environmental impacts, regulatory variances, expert witness testimony, and compliance monitoring.

Hans is responsible for overseeing all reports and data interpretation related to environmental resource permitting, development suitability reports, and site inventories. Hans is has been accepted as an expert in marina design, permitting, and enforcement issues relative to local, state and federal permitting agencies. Hans has been qualified as an expert witness with the Department of Environmental Protection, the South Florida Water Management District, the City of Sanibel, the City of Bonita Springs, and Lee County for a variety of projects related to environmental and marina consulting.

Education: B.S. - Ocean Engineering/Florida Atlantic University, 1981.

Registration: License Professional Engineer #39680, State of Florida, 1988
Certified Engineer Intern No.481ET266, State of Florida, 1982

Elected Position: Captiva Erosion Prevention District Commissioner (1985 – 1988)

Certifications:

N.A.U.I. certified Sport Diver - 1977
U.S. Merchant Marine Officer (OUPV) - 2002
Notary Public, State of Florida - 2011

Affiliations:

Florida Engineering Society –

Lee County Coastal Advisory Council – Hans is a founding member of the CAC, developed in 1995 to advise the County Commission on beach and coastal related issues. The CAC currently advises the Tourist Development Council on expenditures of TDC tourist tax dollars for coastal related projects.

START (Solutions To Avoid Red Tide) – Hans is the past President and current Secretary for the Ft. Myers Beach/Bonita Springs chapter. START is the advocate for preserving our coastal waters, seeking funding sources to continue research on the control and mitigation of the red tide organism (*Karenia brevis*).

Southwest Florida Marine Industries Association – Sitting as the Vice President for the SWFMIA Hans is active in the operation and management of the association. SWFMIA is the local voice for the marine industry, monitoring potential laws and regulations that have a direct impact on boating, promoting recreational boating, and conducting three boat shows a year as a revenue source for the association. Hans is the regulatory delegate to the Marine Industries Association of Florida.

Marine Industries Association of Florida – Hans is the Secretary for the MIAF, the Florida association. Hans is active within the MIAF, which works in Tallahassee funding a lobbyist to monitor legislation affecting boating, promulgating legislation to benefit boating and the related industries, and developing implementation language for the Working Waterfronts constitutional amendment approved by referendum in 2008.



Hans Wilson & Associates, Inc.

PERSONNEL
Prime Consultant

Theresa F. Cauthen, E.I. - Project Manager / Ocean Engineer

Theresa has 9 years experience in the structural analysis and design of waterfront facilities. She has an understanding of the design and construction of docks, seawalls, bulkheads, launching facilities, revetments, dredge material management sites, stormwater management systems, and water control structures. She is also experienced in Coastal Construction Control Line permitting as well as numerical flood zone modeling. Her current responsibilities include the coordination of federal, state, and local permitting; layout and design of waterfront developments; creation of construction project documents and plans; formation of opinions of probable cost; development of marina management plans; construction administration duties; and preparation of engineering reports. Theresa assists with communication between the clients, contractors, and other consulting engineers regarding permitting, design, and construction details. She is responsible for the critical design and review of structural and volumetric calculations. Theresa is also responsible for tracking project budgets and schedules.

Education: Bachelor of Science in Ocean Engineering with a Minor in Mathematics from Florida Atlantic University – 2002

Registration: State of Florida Engineer Intern, #1100007905, June 2002; Qualified Stormwater Management Inspector; Florida Department of Environmental Protection, #7905, October 2004; University of Wisconsin-Madison Department of Engineering Professional Development - Docks and Marinas, October 2006

Affiliations:

Florida Engineering Society; National Society of Professional Engineers; Society of Women Engineers
PADI Open Water Diver

Johanna Shifflette – Permits Manager

Background: Johanna has an extensive background in the legal field with 20 years experience handling domestic relations, criminal and probate matters. Johanna's responsibilities include the coordination of permit processing and managing overall project progress. Her legal experience positions her to analyze the legal aspects of regulatory permits and advise on project timeframes relative to the agency rules and Florida Statutes.

Education: Paralegal Certification from Florida International College

Jeffrey J. Bozic – Computer Graphics Technician

Jeff is the Computer Graphics Technician for Hans Wilson & Associates and is responsible for managing and coordinating computer design and production of project drawings, providing basic site mapping services and overseeing company computer design standards. He secured his Certificate in AutoCAD in 1995 and has since developed significant experience in CAD drafting and GIS practices. Tasks included, but were not limited to, designing transportation plans per the City of Cape Coral, Lee and Collier County specs; earthwork and drainage calculations; preparation of development plans; and land use and environmental calculations. Jeff's current responsibilities consist of preparation of location maps, historical aerial graphics, conceptual and final site plans, and representative cross sections for all projects. He is also involved in the graphics associated with Environmental Assessments, Protected Species Assessments, Environmental Resource Permit applications, and engineered construction plans and specifications, etc.

Education:

Certificate of CAD Technician, Lee County High Tech Center, 1995
Certificate in Millwright, Prairie State College

Awards:

2nd Place in CAD Technical Drawings, Regional VICA Competition



Hans Wilson & Associates, Inc.

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PERSONNEL

Prime Consultant

Chester Young – Sr. Project Manager

Chester has over 25 years experience in civil engineering, surveying, and waterfront related engineering projects. As a partner, his current responsibilities include site analysis, engineering design, regulatory permitting, and construction administration of coastal marinas and docks, new and maintenance dredging projects, coastal structures, and barrier island projects. Specific responsibilities include development feasibility studies, project management, regulatory permitting, development of construction plans and specifications, design and analysis of bathymetric surveys of marina basins and waterways, and construction administration.

Chester is specifically responsible for the design, permitting, and construction administration of commercial marinas, dredging projects, and development feasibility studies. He has an extensive background in civil engineering design and surveying, with experience in the permitting of marine projects. He is responsible for design, permitting, and construction management of coastal projects, with emphasis on dredging related projects and Multiple Service Benefit/Taxing Units (MSBTU).

Registrations:

Florida Wetland Delineation Program – 1996; University of Wisconsin-Madison, Department of Engineering Professional Development- Docks and Marinas - 2004

Affiliations: Professional member of:

The Florida Marine Contractors Association; International Erosion Control Association North American Lake Management Society; North American Benthological Society; American Society of Limnology and Oceanography; Florida Association of Environmental Professionals

Other Affiliation:

President of the T.I.C.E. Association; Board of Directors of Friends of Billys Creek; Member of Lee County Auto-cad User Group; United Way Allocations Team

Michael J. Kurtz – Construction Management

Michael J. Kurtz is a licensed marine contractor with over 30 years experience in all phases of marine related work: Construction oversight, design, material takeoffs, bidding process, project layout, coordinate construction activities with sub contractors, organize projects through completion, ensure equipment is organized and maintained, equipment operator. Dock and Seawall Assessments

REPRESENTATIVE PROJECTS

South Seas Club, Marco Island: Project Manager; A 166 Wet slip Marina with 2550 feet of seawall, floating docks, electric, water, and fire protection.

Port Labelle Marina, Labelle FL: Project Manager/ Equipment Operator: A 100 slip marina within two man-made basins off of the Caloosahatchee River. Docks, rip-rap, steel sheet piling, and floating docks.

Ft. Myers Beach Fishing Pier, Ft. Myers Beach, FL: Contractor: Refurbishing of the Ft Myers Beach Fishing Pier: Deck slabs, Ships store, Pavilion, hand rails, and lighting.

Artificial Fishing Reef, Lee County, FL: Contractor: Installation of an under water structure using concrete culvert pipe, cabled together in a pyramid, and placed off shore in designated locations for the fishing industry.



ACADEMIC BACKGROUND

Masters Degree in Marine Affairs, University of Miami, Florida, 1983

Bachelor of Science in Animal Behavior and Marine Biology, University of California, Davis, CA, 1974

SPECIALIZED PROFESSIONAL COMPETENCE

Ms. Walters is a seasoned environmental professional with more than 25 years of experience in South Florida. She is qualified as an Expert Witness in Florida administrative hearings and court proceedings; has conducted and supervised environmental studies, and developed and implemented avoidance and mitigation plans, in all South Florida submerged and upland habitats; has successfully acquired permits for major projects, working with all regulatory agencies; has extensive experience in design and implementation of public outreach programs; and has represented clients successfully with many agencies and government boards. She currently serves as vice-president of South Florida Association of Environmental Professionals, and is a member of EPA's Water Quality Steering Committee for the FKNMS.

REPRESENTATIVE PROFESSIONAL EXPERIENCE

Principal, SWC (Sandra Walters Consultants, Inc.), Key West, FL, 1996 to present

➤ Mallory Dock Maintenance Dredge, City of Key West

Principal in charge for successful acquisition of all permit modifications to add Mallory Dock to scope of Navy Key West Harbor dredging project, including collection of all data on submerged habitats required by agencies, coordination with dredging company and environmental monitoring contractor, acquisition of EPA approval for use of offshore disposal site, and provision of Quality Assurance services onboard the dredging vessel.

➤ Key West Mooring Field Seagrass Monitoring Project

Conducted seagrass monitoring project at Key West Mooring Field that investigated potential shading impacts from boats, including project design, photographic documentation of stations over time, collection of seagrass density and shoot count data, and report preparation.

➤ S. Roosevelt Seawall Repair Seagrass Monitoring, Key West

Supervised assessment and documentation of seagrasses in vicinity of seawall undergoing repairs, including field data collection and photography, update of CAD files delineating seagrass line, measurement of seagrass impacts in project area for mitigation purposes, and report preparation.

➤ Smathers Beach Seagrass Mitigation Monitoring, Key West

Conducted field monitoring of seagrass mitigation project for City of Key West, including establishing monitoring sites, collecting required data, supervising surveyor, assisting with preparation of monitoring reports, and providing local liaison with City and base of operation for work.

➤ Submerged Habitat Study and Sediment Analysis, Key West Harbor and Vicinity

Principal in charge of submerged habitats survey in and around Key West Harbor. Divers collected field data from 50 randomly selected sites, collated data into maps showing general distribution of habitats in area, and compared data other sites throughout Florida Keys to assess habitat quality in relation to shipping activities in Harbor. Collect sediment samples in and near harbor following approved DEP protocol, transmit to State certified laboratory for testing for petroleum contamination and RCRA metals, and prepare report summarizing findings.

➤ Residential Redevelopment Project in Marathon, Florida Keys

Project manager for all aspects of environmental planning and ERPs for 92-unit redevelopment project called Marlin Bay Yacht Club, including supervision of all field data collection and preparation of benthic assessments and avoidance and minimization plans, supervision of ERP application preparation and submittal and all responses to requests for additional information, work with DEP to acquire net positive public benefit exception to State submerged land lease riparian restriction, and presentations to Governor and Cabinet regarding lease rule provisions and final lease adoption. Acquired approval of ERP and submerged land lease in 9 months.

➤ Environmental Compliance, FDOT Dist. 6 US Highway 1 South 1st Phase

Environmental compliance leader for design-build team, including benthic resources data, assistance with processing permit modifications, and training of construction staff regarding wetlands and listed species permit requirements.

Vice President & Manager of Environmental & Permitting Division, H.J. Ross, Coral Gables, FL, 1994-1996

➤ US Highway 1 South Project, from Key Largo to Florida City

Consultant project manager in permitting for expansion of US Highway 1 South. Permits were required from U.S. Coast Guard, SFWMD, USACE, and coordination with Dade County DERM. Work included supervising field investigations including mangrove, seagrass, and freshwater emergent habitats; preparation of permit applications; responding to information sufficiency reviews; and coordinating with many commenting agencies.





Academic Background

Master of Science (Marine Ecology), Old Dominion University, Norfolk Virginia, 2003
Associate of Applied Science (Medical Technology), Thomas Nelson Community College, Hampton, Virginia, 1997
Bachelor of Arts (Anthropology), University of Illinois, Champaign-Urbana, Illinois, 1992



MICHELLE (SHELL)
BRAYNARD
Sr. Project Manager

Specialized Professional Competence

Ms. Braynard is an accomplished and knowledgeable researcher and project manager with extensive experience in Florida coastal habitats. She is particularly skilled in designing and implementing ecological data collection programs, including mapping of resources using sub-meter-accuracy GPS, analyzing and presenting resulting data using state-of-the-art GIS software, and communicating results effectively to agencies and the public. Her in-water experience, including scientific diving and boating certifications, prepare her for both supervising and participating in all aspects of coastal environmental data collection. In addition, she has direct field and laboratory experience with water quality monitoring, phytoplankton ecology, and microbiological identification. Ms. Braynard is currently serving as adjunct faculty at Florida Keys Community College, teaching classes in marine data collection and seagrass restoration.

Academic Background

Master of Science, Fisheries Biology, Virginia Polytechnic Institute & State University, 1981
Bachelor of Science, Wildlife Biology, SUNY College of Environmental Science & Forestry, 1975

Specialized Professional Competence

Mr. Huntington has over 31 years of experience in the field of environmental permitting. He has worked in the federal dredge & fill permitting program with the U.S. Army Corps of Engineers (USACE), the environmental resources permitting program with the Florida Department of Environmental Protection (FDEP), and more recently as an environmental consultant specializing in the field of wetlands permitting. He has also worked for the U.S. Fish & Wildlife Service in the National Wetlands Inventory Program identifying wetlands throughout the United States. His area of expertise includes freshwater and estuarine ecology, wetland delineation and wetland mitigation. He has been involved in essential fish habitat studies, and endangered species consultations involving listed species for both the U.S. Fish & Wildlife Service and the Florida Fish & Wildlife Conservation Commission. Mr. Huntington has provided oversight for construction projects in Biscayne Bay as well as for development projects in Miami-Dade County. He was also responsible for reviewing and commenting on Environmental Impact Studies under NEPA guidelines for projects involving both federal dredge & fill permits and State wetlands permits. While with FDEP, he served as the state team permitting coordinator and successively guided several complex projects through federal, State and local permitting processes. He has represented FDEP as an expert witness in wetlands permitting issues.

KEN HUNTINGTON
Sr. Project Manager



EDUCATION

BS, Electrical Engineering, University of Florida, 1995

PROFESSIONAL REGISTRATIONS/LICENSES

Registered Professional Engineer: Florida (55440)

YEARS OF EXPERIENCE

Total: 15 years

HSA: 5 years

SUMMARY OF QUALIFICATIONS

Mr. Huff is an electrical engineer with over 15 years experience in designing lighting, electrical power distribution, standby power systems, voice/data communication and fire alarm systems for commercial, industrial, educational, residential and municipal buildings and facilities.

Mr. Huff has been responsible for several electrical engineering projects from inception through design development, final design and construction. He has worked with many commercial and municipal clients including: Lee County, Lee County Parks & Recreation, Lee County School Board, Collier County Government, Collier County Parks & Recreation, Hendry County School Board, and the City of Fort Myers.

Mr. Huff has completed multiple electrical forensic engineering investigations throughout the State of Florida for insurance companies, municipalities, school systems and private owners.

RELEVANT PROJECT EXPERIENCE

▪ **Intermodal Transfer Facility, Fort Myers, FL** - Provided electrical engineering services for a new multi-use transportation terminal. In addition to the main office facility, the design program required 12 covered bus/passenger shelters for Lee Tran buses, five covered bus/passenger shelters for Greyhound and two covered shelters for handicapped van drop off and pick up, in addition to five taxi cab spaces and 19 parking spaces for employees and customers with a drop off area at the building.

Marinas

- **Marie's Yacht Harbor Club, Marathon, Florida** - Provided electrical engineering for 50 slip fixed dock marina.
- **Gulf Seafood Development Marina, Key West, Florida** - Provided electrical engineering for 65 slip fixed dock marina.
- **Florida Fish Wildlife Coastal Conservation (FWCC) Key Fisheries Resource Dock, Marathon, Florida** - Provided electrical engineering for dock for state research vessels.
- **Bahia Mar, Pensacola, Florida** - Provided electrical engineering services to prepare electrical construction documents including main power distribution system design and coordination with shore side electrical engineering for main service for a marina with approximately 250 boat slips.



SUMMARY OF QUALIFICATIONS

LAWRENCE WILLIAMS, PE
(36901)

Larry Williams, PE managed the Mechanical/Electrical Engineering Department of Anchor Engineering Consultants, Inc. prior to its merger with HSA Engineers & Scientists, for more than 10 years and is now the Quality Control Officer for HSA's MEP Department. He has been responsible for the electrical and mechanical engineering on numerous commercial and residential projects including air conditioning, heating, ventilation, energy calculations and audits, energy storage systems, fire protection, and plumbing systems. He is experienced in the design of chilled water, ice thermal storage, variable air volume, and other HVAC systems.

SUMMARY OF QUALIFICATIONS

PAUL KINNUNEN, PE
(48373)

Paul Kinnunen, PE, LEED® AP has over 30 years of experience in HVAC, plumbing, and fire protection system design for commercial, institutional, industrial and governmental facilities. His experience includes systems design for such diverse facilities as ambulatory surgery centers, country clubs, marinas, water and wastewater treatment plants, fire stations, schools, automotive repair facilities, retail shopping centers, multi-family residential buildings, manufacturing facilities and libraries. He has provided project management and mechanical engineering services in southwest Florida for over fifteen years.

SUMMARY OF QUALIFICATIONS

RICHARD RILEY
Electrical Designer
AutoCad

Richard Riley has over thirty years experience in Electrical Design, over 35 years experience with AutoCAD and has completed numerous residential and commercial electrical system designs.

REUBEN CLARSON, P.E.

Background and Qualifications

- 1988 – Present** **Reuben Clarson Consulting, Inc. (formerly Reuben Clarson, P.E.)**
St. Petersburg, FL Florida License 16313, Certificate of Authorization
9206
- Professional engineering application in unbiased inspections; design and consultation for steel, concrete, vinyl, composite aluminum and wood seawalls and bulkheads for residential, commercial and port properties; riprap; small bridges; boardwalks; docks and piers; marinas and other marine structures in Florida and Bahamas.
- 1997 – 2005** **Case Atlantic Company, Clearwater, FL**
- Professional Engineer, sales, project manager for drilled shaft foundation and sheet piling projects for bridges, buildings and towers.
- 1988 – 1997** **Cone Constructors, Inc. – Tampa, FL**
- Professional Engineer, project management, estimator for FDOT bridge and road projects and other public construction, i.e. marinas, port facilities, Corps of Engineers' projects.
- 1973 – 1988** **Clarmac Marine Construction Co., - Clearwater, FL**
- Co-owner and Vice President/Secretary, Professional Engineer, estimator, sales, project manager for public and private marine related construction projects, i.e. marinas, rock jetties, bridges, underwater pipelines and utilities, seawalls, and bulkheads for private, commercial and port facilities in Florida and Alabama.
- 1965 – 1973** **Misener Marine Construction Co., St. Petersburg Beach, FL**
- Seawall field superintendent, estimator, engineer and Chief Design Engineer in charge of marine construction projects, i.e. marinas, rock jetties, bridges, pile driving, seawalls and bulkheads, underwater pipelines and utilities, and port facilities in Florida, Bahamas, Alabama and Virginia.
- Education:** **Bachelor of Civil Engineering, Georgia Tech**
- Registrations:** **Florida Licensed Engineer (16313) since 1973**
Class A General Contractor (1973- 1989)
- Professional Organizations:** **National Society of Professional Engineers**
Florida Engineering Society

Expert Witness / Forensic Engineering

DEREK MILLER, PSM

Professional Registration

Surveying and Mapping Business, No. 7413
Professional Land Surveyor, No. 6341, 2002
Certified Wetland Delineator
Florida Master Naturalist

Affiliations

Florida Surveying and Mapping Society
Charlotte Harbor Chapter of the FSMS

Miller Surveying Inc. was created and incorporated in 2005, through the perseverance and hard work of Derek S. Miller, P.S.M. Mr. Miller has worked in the southwest Florida area for various surveying and engineering companies for the past 28 years. Since its inception, Miller Surveying Inc. has been performing various types of surveying and mapping services throughout the southwest Florida area. Those services include commercial and residential construction, submerged land easements, and capital improvement projects for local municipalities.

Project Experience

Large tract and boundary and topographic survey for engineering design for:

Harbor Walk Redevelopment, Punta Gorda	Animal Center Town Clinic, Port Charlotte
Riverhaven Mobile Home Park, Punta Gorda	Desoto Groves Store, Port Charlotte
FPL Cooper Street Substation, Punta Gorda	Pinecrest Elementary School, Immokalee
Carmalita Street Route Survey, Punta Gorda	Future Assisted Living Facility, Port
Charlotte Gilchrest Park Route Survey, Punta Gorda	
Charlotte Harbor Kawasaki Dealership, Port Charlotte	

Construction layout for:

Storage Depot, Warm Mineral Springs	Steamboat Marina, LLC, Lee County
Rothenbach Park, Sarasota County	LaMarque Sidewalk Project, North Port
Caloosahatchee Creeks Preserve, Lee County	North Port Fire Station NO.84

Submerged Land and Butler Act permit survey requirements for:

Lovers Key Docking Facility, Lee County	Ocean Harbor Condo, Fort Myers Beach
Island Bay Marina, Fort Myers Beach	Gordon River Hotel, Naples
Best Western Hotel, Punta Gorda	Elks Lodge of Punta Gorda
Kevin McChesney (private parcel), Fort Myers Beach	
Waterside V Condominium Complex, Fort Myers Beach	

Mr. Miller's hands-on approach through all stages of the surveying process insures quality and accuracy by following the required minimal technical standards. Our office has gained and maintained a sizeable data base of land records, benchmarks, and GPS control points from past and present projects. Miller Surveying has staff with excellent research analyst and is well versed in AutoCAD and Land Desktop 2006 software. Our survey crews typically use the Topcon Total Station equipment utilizing the TDS Data Collection software.



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7 ~ Qualifications



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QUALIFICATIONS

The Hans Wilson & Associates, Inc. (HWA) team is submitting credentials and experience for the replacement of Tarpon Pier at Garrison Bight. HWA principals attended the mandatory pre-submittal conference on April 27th, 2011. HWA is a marine engineering and environmental consulting firm that specializes in the marine engineering field. Hans is a licensed Professional Engineer and has been applying his engineering expertise in the marine environment for the past 30 years. The HWA team has extensive experience in waterfront planning, design, permitting and construction administration and services a variety of clients, including local governments.

HWA has consistently worked in project teams that are developed to target the needs of a specific project. HWA works closely with affiliate professionals that are best suited for the project. For the Tarpon Pier replacement we will be using affiliates that we work with on a regular basis. For the environmental component and local representation we will be working with Key West-based SWC. They will be handling the environmental impact assessment and mitigation plan and have experience dealing with coral issues, which are anticipated with this project. HWA will be using Reuben Clarson for the structural design of the pilings relative to the lateral loads imposed by a floating dock system. For the electrical design, HWA will be using Chad Huff. Finally, for any related survey services, we will be using Derek Miller.

HWA is currently working with SWC on a channel maintenance-dredging project on Walker's Island just north of Marathon, and recently teamed up on a seawall assessment and structural analysis for two residential developments, one on Stock Island and the other in Marathon. SWC worked with HWA on a City of Bonita Springs project to resolve some political issues tied to land ownership between the Florida Department of Environmental Protection and the South Florida Water Management District. SWC has extensive experience working in the Florida Keys and has offices in Key West and Fort Myers, as well as Hollywood and Miami. SWC biologist Michelle Braynard served as the FKNMS Damage Assessment and Restoration Program (DARP) team leader for the Lower Keys from 2006 to 2009, so is particularly qualified to address relevant environmental impact assessment, mitigation, and permitting issues.

Rueben Clarson is a structural engineer that HWA teamed with for the design of a new boatyard on Fort Myers Beach. Rube was responsible for the structural analysis and design for a 150 ton travel lift pier and deck structure. HWA prepared the drawing sets to match their work associated with the design and construction of the associated floating dock system. As part of the same project, HWA also teamed up with Chad Huff to develop the electrical plan for the marina. The project is currently under construction. HWA has previous team experience working with Chad on a condominium redevelopment project.

HWA continues to use Derek Miller for his unique experience in satisfying the Department of Environmental Protection requirements for complete submerged land leases and conservation easements. The City retains ownership at the project location so the extent of work provided by Derek will likely be limited to establishing the horizontal location of the replacement dock to exactly fit the existing docks footprint.



Hans Wilson & Associates, Inc.

QUALIFICATIONS

However, we enjoy working with Derek because of his similar commitment to service the client, his level of accuracy, and his attention to detail. We continue to work with Derek on a number of projects, both in the past and current.

The majority of HWA projects involve a sequential process that starts with the inception of the project and is completed with the operation of the development. For the majority of waterfront projects (e.g. marina's, docks, dredging, shoreline stabilization) HWA will investigate the site, surveying depths, mapping benthic resources, assessing water quality conditions, evaluating erosion/accretion trends, and determining the geophysical condition of the site.

The planning and design process incorporates the owner's concept into the existing conditions then mixes in the constraints associated with local, state, and federal jurisdictions. Close communication with the owner and regulatory agencies is key to developing a project that is cost effective and permissible. HWA has a history of permitting a wide variety of waterfront facilities, giving the experience necessary to address unusual or unexpected conditions. HWA has an outstanding reputation for working with the staffs of local, State, and federal regulatory agencies and is committed to monitoring changes in agency rules and regulations to avoid any delays in permitting the project. Team member SWC works closely on a regular basis with the specific regulatory and resource management agencies and staff involved in the Florida Keys, including the Florida Keys National Marine Sanctuary.

HWA has administered the construction of almost all of the projects it has designed and permitted. HWA typically develops the final construction design, prepares the plans and specifications, and manages the bidding process with local marine contractors. We work closely with the client in reviewing the qualifications of the contractors to assure their ability to complete the construction on time and within the budget.

HWA and its team of sub-consultants have the local knowledge, reputation, and experience necessary to properly service the needs of the City relative to the replacement of Tarpon Pier. We hold to our tenants of Knowledge, Quality, and Service in order to be the most cost effective and time efficient consulting firm for our clients.

The construction of many projects we designed and permitted have been delayed the economic downturn. We are currently moving forward with construction of these facilities as the typical five year permit authorizations are set to expire and acquiring the same permits would prove difficult. We have attached a sampling of projects that we believe are representative of the skills and experience necessary to complete this project. They include a mix of fixed wood docks permitted for commercial marina located in an aquatic preserve; commercial marina with a mix of fixed and floating docks including a unique mitigation shelf; a sampling of boardwalks created for local governments in public parks; associated floating docks for recreational uses.



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8 ~ Representative Design Projects With Client References



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REPRESENTATIVE DESIGN PROJECTS AND CLIENT REFERENCES

Project Name: Diversified Yacht Services, Inc.
Project Location: Fort Myers Beach, Florida
Client Information: Ryan Levi, Executive Vice President
751 Fisherman's Wharf
Fort Myers, FL 33931
(239) 765-8700 Fax (239) 765-8706
e-mail: ryan.levi@lrs.com



Aero Photo showing construction start with clearing of upland.



Project Scope: This project consists of the planning, design, permitting, and construction observation of the conversion from a commercial marina with 184 dry storage spaces and 41 wet slips to a commercial boatyard with fork truck access and a 105 ton travel lift. The project removes an existing over water building and fixed wooden docks and replaces them with floating concrete docks. The marina retains the 41 wet slips for rental and staging for various in water vessel repairs. The upland facility is state of the art design for vessel repairs, hazardous materials management, hull treatment, and engine services. The project includes dredging 1,700 cy. of material to a depth of -8' MLW; the installation of intertidal habitat in the form of ©Reef Balls; installation of over 6,000 sf. of floating concrete docks and concrete piers; and installation of 250 lf. of steel seawall.

Proposed site plan drawing showing proposed docks overlain on aerial of existing docks.

Project Name: Salty Sam's Marina Renovation
Project Location: Fort Myers Beach, Florida
Client Information: Darrel Hanson,
2500 Main Street
Fort Myers, FL 33931
(239) 463-7333 Fax (239) 463-3947
e-mail: saltysamsmarina@netscape.net



Aerial view of marina prior to renovation



2008 aerial of marina post construction.

Project Scope: Salty Sams Marina was a typical marina renovation. Work completed by HWA began with maintenance dredging of the marina, fka Palm Grove Marina. Salty Sams provides 88 wet slips associated with a floating docks structure, covered dry storage, fueling facilities, a ships store, restaurant, offices, retail boat sales, and a land base for the Key West Express. The conversion of both the original marina and associated commercial fishing portion of the property has resulted in improved water quality at the project site. In addition, a mitigation shelf was constructed that has resulted in the addition of wetland habitat and removal of debris deposited by the commercial fishing operation that previously resided on the property.



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REPRESENTATIVE DESIGN PROJECTS AND CLIENT REFERENCES

Project Name: SweetWater Landing / Bonita Bay Group
Project Location: Fort Myers, Florida
Client Information: Mark Chase
Bonita Bay Group
16991 State Road 31
Fort Myers, FL 33905
(239) 694-3850
e-mail: markc@bonitabaygroup.com



Project Scope: This project included the removal of 402 linear feet of existing seawall, excavation of 390 cy of uplands to widen the man made canal, redesign of the mooring areas to today's standards, and removal of the existing boat ramp at the end of the canal. A 70'x72' concrete pad for fork-lift launching of vessels from dry storage was created. 273 linear feet of seawall was installed along with two marginal floating docks to service the dry storage for vessel staging and installation of a water management system with outfall structures.

This project also involved the creation of a 4,000 sq ft littoral shelf as mitigation, within the canal. The littoral shelf was created by the installation of 267 linear feet of free-standing sheet piling to create a vertical walled in area, perched in the intertidal zone. Approximately 591 sq ft of reef balls were placed at the toe of the seawall facing the Caloosahatchee River. Another 118 sq ft of reef balls were placed at the toe of the vertical-walled mitigation shelf.



Project Name: Barnacle Phil's Restaurant and Marina
Project Location: North Captiva, Florida
Client Information: Mary Finger
1220 Vesper Drive
Fort Myers, Florida 33901
(239) 936-7918
e-mail: markc@bonitabaygroup.com



Project Scope: This project is located in Safety Harbor in the Pine Island Aquatic Preserve. It involved the removal of an existing 400 sf commercial pier that accommodated 16 vessels and construction of a 38 slip commercial marina. The project included the relocation of an existing channel to protect seagrass beds, conversion of the site from septic to sewer, and design of the docks to cordon of submerged seagrasses immediately in front of the property.

Project Name: Caloosahatchee Regional Park
Project Location: Fort Myers, FL
Client Information: Roger Clark
Lee County Parks and Recreation
6490 South Pointe Blvd.
Fort Myers FL 33919
(239) 433-5909
e-mail: roger@leegov.com



Project Scope: This project involved creating a floating dock system for temporary mooring, a canoe launch area, observation pier, boardwalks and at grade stabilized trails. Work included mapping the existing oxbow and surrounding wetland areas to make a connecting loop between the shoreline trail and one of the interior trails. The plan involved constructing a fishing pier adjacent to the oxbow for passive observation and fishing.



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REPRESENTATIVE DESIGN PROJECTS - Sub-Consultants

Further representative design projects in addition to those previously noted on resumes.



Walker's Island Maintenance Dredge Environmental Resource Permit – Monroe County
Acquisition of permits for maintenance dredging, mitigation plan, and agency coordination

Marlin Bay Yacht Club Redevelopment – Key West, FL
Project planner and environmental resource permit management.

City of Key West Mooring Field – Key West, FL
Three year ecological monitoring study of seagrass beds at the Key West Mooring Field.

Smathers Beach Seagrass Mitigation – Key West, FL
Establish monitoring plan, photo documentation of habitat conditions, liaison with City project mgr

Angler's Reef, Islamorada, Monroe County
Permit management including wetland delineation, listed species, mitigation plan and compliance.

Peninsular Marina, Stock Island – Monroe County
Permit management for marina on Stock Island wetland delineation, benthic

Florida Power & Light Company – Miami-Dade County
Alternative routing analysis, construction and mitigation monitoring/compliance and seagrass restoration plan.



Engineering and Design services (electrical, mechanical, plumbing, fire protection):

- | | |
|---|--|
| Gulf Seafood Development Marina – Key West, FL | Orange Beach Marina – Orange Beach, AL |
| City of Fort Myers Yacht Basin – Fort Myers, FL | Homeport Marina – Gulf Shores, AL |
| Hamilton Harbor Marina – Naples FL | Palafox Marina – Pensacola Florida |
| Salty Sam's Marina – Fort Myers Beach, FL | Brooks Bridge Marina – Fort Walton Beach, FL |
| Bon Secour Marina – Bon Secour, AL | Fisherman's Cove Marina – Freeport, FL |
| Fisherman's Village – Punta Gorda Florida | Baytowne Marina – Destin, FL |
| Wharf Marina – Orange Beach, AL | Albany Marina – New Providence, Bahamas |
| Bahia Mar Marina – Pensacola Florida | Cape Coral Yacht Club Basin– Cape Coral, FL |



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REPRESENTATIVE DESIGN PROJECTS - Sub-Consultants

Further representative design projects in addition to those previously noted on resumes.

Reuben
Clarson, PE.

Engineering and Design services for floating dock and pile design for:

US Coast Guard Base, Miami, FL
Antiqua Cove – St. Petersburg, FL
Belle Glade docks – Belle Glade, FL
Allied Basic Docks – Coral Reef, FL
River Point Road docks – Jacksonville, FL
YCOA Naples Harbor – Naples, FL

Miller Surveying, Inc.

Boundary, Topographic, Construction Layout, Submerged Land, and/or Butler Act Surveys for:

Best Western Hotel – Punta Gorda
Captiva Island Yacht Club – Captiva Island, FL
Elks Lodge – Punta Gorda
FPL Cooper St. Station – Punta Gorda, FL
Gilchrest Park Route Survey – Punta Gorda, FL
Gordon River Hotel – Naples
Island Bay Marina – Fort Myers Beach, FL
Lover's Key Docking Facility – Lee County
McChesney (private parcel) – Fort Myers Beach, FL
Ocean Harbor Condominium – Fort Myers Beach, FL
Waterside Condominium – Fort Myers Beach, FL



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Hans Wilson & Associates, Inc.

REFERENCES

Project Name: City of Bonita Springs: Depot Park/Bamboo Village

Type of Work Performed: Environmental Resource Permitting (ERP); design; plans and specs; bid preparation/selection; and construction observation for pedestrian bridge with light vehicle capability and fixed wooded pier expansion to floating dock with ramp for handicap access.

Contact Name: *Daryl Walk, Public Works Manager*
City of Bonita Springs

Address: 9101 Bonita Beach Rd.
Bonita Springs, FL 34135

E-mail: daryl.walk@cityofbonitasprings.org

Phone: (239) 949-6246

Project Name: Sweetwater Landing, Bonita Bay Group

Type of Work Performed: Environmental Resource Permitting (ERP); design; plans and specs; bid preparation/selection; and construction observation for seawall replacement, fork lift launching pad and floating docks, to include littoral shelf for on-site mitigation

Contact Name: *Mark Chase,*
Bonita Bay Group

Address: 16991 State Road 31
Fort Myers, FL 33905

E-mail: markc@bonitabaygroup.com

Phone: (239) 694-3850

Project Name: Key West Ferry Landing

Type of Work Performed: Redesign, permit application coordination, construction plan preparation and limited construction observation services associated with a commercial passenger ferry facility.

Contact Name: *Rob Fowler, Sr.*
Fowler Company:

Address: 10561 Six Mile Cypress Pkwy
Fort Myers, FL 33912

E-mail: robsr@fowlercompany.com

Phone: (239) 275-7000



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10 ~ Required Forms

Licensure of Prime Respondent
Evidence of Authority for Binding Agent
Anti-Kickback Forms
Public Entity Crimes Certification
Acknowledgement of Addenda

State of Florida
Board of Professional Engineers

Attests that

(Hans) John Michael Wilson, P.E.

IS LICENSED AS A PROFESSIONAL ENGINEER UNDER CHAPTER 471, FLORIDA STATUTES
EXPIRATION: 2/28/2013 P.E. LIC. NO:
AUDIT NO: 228201322179 39680

State of Florida
Board of Professional Engineers

Hans Wilson Associates, Inc.

Is authorized under the provisions of Section 471, Florida Statutes, to offer engineering services to the public through a Professional Engineer, duly licensed under Chapter 471, Florida Statutes.

Certificate of Authorization

EXPIRATION: 2/28/2013
AUDIT NO: 228201302559

CA. LIC. NO:
8519

State of Florida

Department of State

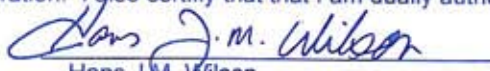
I certify from the records of this office that HANS WILSON & ASSOCIATES, INC. is a corporation organized under the laws of the State of Florida, filed on March 7, 2000.

The document number of this corporation is P00000023675.

I further certify that said corporation has paid all fees due this office through December 31, 2011, that its most recent annual report was filed on March 23, 2011, and its status is active.

I further certify that said corporation has not filed Articles of Dissolution.

I, Hans J.M. Wilson, the undersigned, do hereby certify, as evidenced by my notarized signature, that I am the President of Hans Wilson and Associates, Inc., a Florida corporation. I also certify that that I am dually authorized to execute and legally bind Hans Wilson and Associates, Inc.

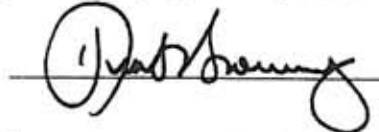

Hans J.M. Wilson

State of Florida
County of Lee

The foregoing instrument was acknowledged before me this 17th day of May, 2011 by Hans J. M. Wilson who is personally known to me:


Robin M. Mixon

Given under my hand and the Great Seal of Florida, at Tallahassee, the Capital, this the Twenty Ninth day of March, 2011



Secretary of State



Authentication ID: 400199703634-032911-P00000023675

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

<https://efile.sunbiz.org/certauthver.html>

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA

SS:

COUNTY OF MONROE

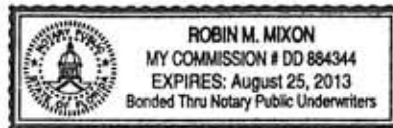
I the undersigned hereby duly sworn depose and say that no portion of the sum herein response will be paid to any employee of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

BY: *Dans J. m. Wilson*

sworn and prescribed before me this 17th day of May, 2011

Robin M. Dixon
NOTARY PUBLIC, State of Florida

My commission expires:



ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA

SS:

COUNTY OF MONROE

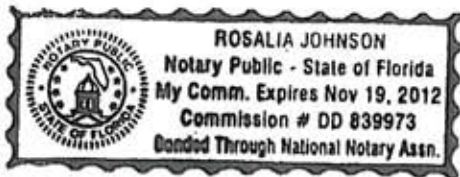
I the undersigned hereby duly sworn depose and say that no portion of the sum herein response will be paid to any employee of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

BY: Sandra Walters

sworn and prescribed before me this 9 day of may 2011

NOTARY PUBLIC, State of Florida

My commission expires:



STATE OF FLORIDA
COUNTY OF monroe
The foregoing instrument was acknowledged before me
this 9 day of may 2011
by Sandra Walters
Personally known OR produced identification
Type of identification produced FDL
Notary's Signature Rosalia D. J.

ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA

SS:

COUNTY OF MONROE

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

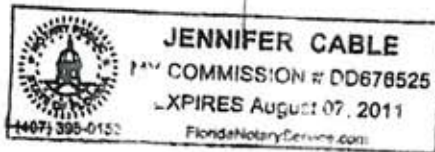
BY: 

sworn and prescribed before me this 13th day of May, 2011

NOTARY PUBLIC, State of Florida



My commission expires:



ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA

SS:

COUNTY OF MONROE

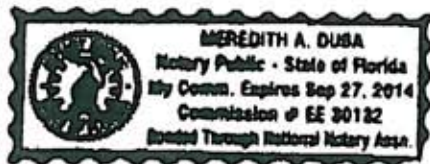
I the undersigned hereby duly sworn depose and say that no portion of the sum herein response will be paid to any employee of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

BY: *Reuben Clarson*
REUBEN CLARSON CONSULTING

sworn and prescribed before me this 10th day of May, 2011

Meredith A. Dusa
NOTARY PUBLIC, State of Florida

My commission expires: Sept. 27, 2014




ANTI-KICKBACK AFFIDAVIT

STATE OF FLORIDA

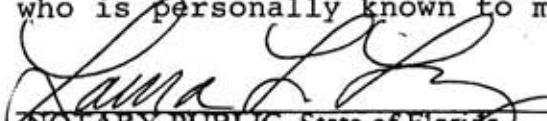
SS:

CHARLOTTE
COUNTY OF ~~MONROE~~

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

BY: 
Derek S. Miller

sworn and prescribed before me this 12th day of May, 2011 by Derek S. Miller who is personally known to me.


NOTARY PUBLIC, State of Florida
Laura L. Long



My commission expires:

**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. RFQ 11-002 for City of Key West Design of Tarpon Pier for City Marina at Garrison Bight.

2. This sworn statement is submitted by Hans Wilson & Associates, Inc.
(Name of entity submitting sworn statement)
whose business address is 1938 Hill Avenue, Fort Myers, FL 33901
_____ and (if applicable) its Federal
Employer Identification Number (FEIN) is 65-0992851 (If the entity has no FEIN,
include the Social Security Number of the individual signing this sworn statement.)

3. My name is Hans J.M. Wilson and my relationship to
(Please print name of individual signing)
the entity named above is President

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.)

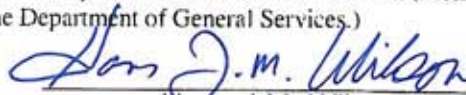
Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 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) Hans J.M. Wilson
May 17, 2011

(Date)

STATE OF Florida

COUNTY OF Lee

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

Hans J.M. Wilson, President of Hans Wilson & Associates, Inc., who, after first being sworn by me, affixed his/her signature in the
(Name of individual signing)

space provided above on this 17 day of May, 2011.

My commission expires:





THE CITY OF KEY WEST

525 Angela Street
Key West, FL 33040

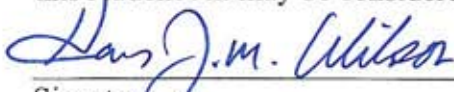
ADDENDUM 1:

Design of Tarpon Pier Replacement for City Marina at Garrison Bight Request for Qualification RFQ#11-002 April 29, 2011

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

1. Attached is the prebid sign in sheet (1 attachment)
2. Attached to this email is an electronic copy of the document City Marina Inspection developed by CH2MHILL (1 attachment)
3. Attached is an electronic copy of the Marina Management Plan (1 attachment)
4. Attached is a copy of the Permit documents required during the construction of the Marlin Pier Replacement Project (3 attachments)
5. Response to Questions; The following are responses to questions received.
 - Are the cover letter, covers, and section dividers included in the limit of 25 pages for responses? Response: The information page, organization chart, methodology and approach, company information, personnel, qualifications and references shall be no more than 25 written pages.
 - My copy of the RFQ only includes 2 pages for the Public Entity Crimes form (pages 10 and 11), however page 1 indicates that this form is 3 pages. Please clarify. Response: The Public Entity Crimes Form is 2 pages in length..

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


Signature


Name of Business